SEARCH SUBMISSION: THIS SECTION TO BE FILLED IN BY THE SEARCHER

Searcher: Thomas Solomon Email: thomastindlesolomon@gmail.com
Date submitted: 07 February 2022 Date requested by: 11 February 2022

Systematic Review Title:

Does post-exercise heat exposure improve endurance exercise performance? A systematic review of the effect of passive heat acclimation on exercise performance.

This search strategy is ...

My PRIMARY (core) database strategy — First time submitting a strategy for search question and database.

Database

(i.e., MEDLINE, CINAHL...):

MEDLINE, EMBASE, CENTRAL, and clinical trials databases (ClinicalTrials.gov, and WHO International Clinical Trials Registry Platform [ICTRP], EU Clinical Trials Register [EUCTR]).

Interface

(i.e., Ovid, EBSCO...): Ovid.

Research Question

The purpose of this systematic review is to answer the question: *Does post-exercise heat exposure improve endurance exercise performance?*

PICO Format

(Outline the PICOs for your question — i.e., Patient, Intervention, Comparison, Outcome, and Study Design — as applicable)

- P Healthy male or female adults (≥18 years of age) of any race/ethnicity, in any clinical research setting.
- Daily exercise under thermoneutral (<25°C) environmental conditions coupled with post-exercise heat exposure (via any method, including but not limited to sauna or hot water immersion etc) for at least 2 consecutive days, with baseline and post-intervention exercise performance tests completed in either hot (≥25°C) or thermoneutral (<25°C) conditions. The daily exercise must be completed in normal ambient conditions and must include at least 30-mins of aerobic activities (walking, hiking, running, cycling, rowing, xc skiing, swimming, stair-stepping etc) at a moderate intensity or higher (>40% heart rate reserve or VO2 reserve, >60% heart rate max; per ACSM activity guidelines). Post-exercise heat exposure must commence within 30-mins of exercise cessation.
- C Control group must complete the same daily exercise intervention but without the post-exercise heat exposure.
- O *Primary outcome(s):* Endurance exercise performance (assessed by time trial, time-to-exhaustion, or a race) in hot conditions in all people.
 - Secondary outcome(s): Endurance exercise performance in cool conditions. And, VO2max, economy/efficiency, lactate threshold, RPE, heart rate, sweat rate, and thermal comfort in hot or cool conditions. Plus, examination of all outcome variables in athletes alone (vs. non-athletes).
 - All outcomes should be measured at baseline and within 7-days of finishing the interventions since effects of heat acclimation have been found to last up to 1-week.

S Randomised controlled trials only.

Inclusion Criteria

Those listed above in addition to English language only publications; peer-review published articles only; any date limitations for searches (e.g., past 10 years, etc – need to provide rationale if so).

(List criteria such as age groups, study designs, etc., to be included) [optional]

We will include full-text English language papers published in peer-reviewed journals.

The studies must include healthy male or female adults (≥18 years of age) of any race/ethnicity.

The interventions must include at least 30-mins of daily exercise with post-exercise heat exposure for at least 2 consecutive days. The control group must complete the same daily exercise but without post-exercise heat exposure.

The study outcomes must measure endurance exercise performance by time trial, time-to-exhaustion, or a race.

The study design must be a randomised controlled trial.

Exclusion Criteria

(Any designs that are not RCTs; non-English language peer-reviewed studies). (List criteria such as study designs, date limits, etc., to be excluded) [optional]

We will exclude the following studies:

Unavailable full-text, non-English language, non-randomised study designs, published in non-peer-reviewed journals.

Was a search filter applied?

Yes □ No ⊠

If YES, which one(s) (e.g., Cochrane RCT filter, PubMed Clinical Queries filter)? Provide the source if this is a published filter. [mandatory if YES to previous question — textbox]

Not applicable.

Other notes or comments you feel would be useful for the peer reviewer? [optional]

No further comments

Please copy and paste your search strategy here, exactly as run, including the number of hits per line. [mandatory]

(heat exposure[Title/Abstract] OR post exercise sauna[Title/Abstract] OR post exercise hot water bath[Title/Abstract] OR heat acclimation OR heat acclimatization OR heat acclimat* OR post exercise bath OR heat adaptation OR heat adapt* OR "hot water immersion"[Title/Abstract] OR Sauna OR "heat chamber")

AND (time trial[Title/Abstract] OR performance[Title/Abstract] OR race[Title/Abstract] OR time to fatigue[Title/Abstract] OR athletic performance[MeSH Terms] OR VO2max OR "aerobic capacity" OR exercise[title/abstract])

AND humans

The first line yields 28,109 results. Adding the second line yields 3,532 results. Including all three lines yields 1,977 results.

PEER REVIEW ASSESSMENT: THIS SECTION TO BE FILLED IN BY THE REVIEWER

Reviewer: Janice Thompson Email: j.thompson.1@bham.ac.uk

Date completed: 11 February 2022

A - No revisions	
B - Revision(s) suggested	
C - Revision(s) required	
If "B" or "C," please provide an	*
Does the search strategy match	the research question/PICO?
Yes	
A (1 1 4 1 0	
Are the search concepts clear?	
Yes	
Are there too many or too few F	DICO elements included?
No	Teo cicinents included:
110	
Are the search concepts too narr	row or too broad?
•	with regards to 'clinical settings' only. See my comment above.
3	
Does the search retrieve too ma	ny or too few records? (Please show number of hits per line.)
Appropriate numbers as	s stated above.
Are unconventional or complex	strategies explained?
Not applicable	
1	
	TY OPERATORS
A - No revisions	
A - No revisions B - Revision(s) suggested	
A - No revisions	
A - No revisions B - Revision(s) suggested C - Revision(s) required	
A - No revisions B - Revision(s) suggested C - Revision(s) required If "B" or "C," please provide ar	explanation or example:
A - No revisions B - Revision(s) suggested C - Revision(s) required If "B" or "C," please provide an Are Boolean or proximity operation.	explanation or example:
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Is the width of proximity operators suitable (eg, might adj5 pick up more variants than adj2)?

Insert comments here.

3. SUBJECT HEADINGS
A - No revisions
B - Revision(s) suggested \Box
C - Revision(s) required \Box
If "B" or "C," please provide an explanation or example:
Are the subject headings relevant?
Insert comments here.
Are any relevant subject headings missing; for example, previous index terms?
Insert comments here.
Are any subject headings too broad or too narrow?
Insert comments here.
Are subject headings exploded where necessary and vice versa?
Insert comments here.
Are major headings ("starring" or restrict to focus) used? If so, is there adequate justification?
Insert comments here.
more comments note.
Are subheadings missing?
Insert comments here.
insert comments here.
Are subheadings attached to subject headings? (Floating subheadings may be preferred.)
Insert comments here.
insert comments here.
Are floating subheadings relevant and used appropriately?
Insert comments here.
insert comments here.
And both subject bestings and terms in free tout (see the following) used for each concept?
Are both subject headings and terms in free text (see the following) used for each concept?
Insert comments here.
4 TEVE WORD OF A DOWN O
4. TEXT WORD SEARCHING
A - No revisions
B - Revision(s) suggested
C - Revision(s) required \Box
If "B" or "C," please provide an explanation or example:
Does the search include all spelling variants in free text (eg, UK vs. US spelling)?
Insert comments here.
Does the search include all synonyms or antonyms (eg, opposites)?
Insert comments here.
Does the search capture relevant truncation (ie. is truncation at the correct place)?

Insert comments here.

Are acronyms or abbreviations used appropriately? Do they capture irrelevant material? Are the full terms also included? Insert comments here.
Are the keywords specific enough or too broad? Are too many or too few keywords used? Are stop words used?
Insert comments here.
Have the appropriate fields been searched; for example, is the choice of the text word fields (.tw.) or all fields (.af.) appropriate? Are there any other fields to be included or excluded (database specific)? Insert comments here.
Should any long strings be broken into several shorter search statements? Insert comments here.
5. SPELLING, SYNTAX, AND LINE NUMBERS
A - No revisions
B - Revision(s) suggested
C - Revision(s) required \Box
I6"D" "O" -11111-
II B or C please provide an explanation or example.
If "B" or "C," please provide an explanation or example: Are there any spelling errors?
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Are there any spelling errors? Insert comments here. Are there any errors in system syntax; for example, the use of a truncation symbol from a different search interface? Insert comments here.
Are there any spelling errors? Insert comments here. Are there any errors in system syntax; for example, the use of a truncation symbol from a different search interface? Insert comments here. Are there incorrect line combinations or orphan lines (ie, lines that are not referred to in the final summation
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Are there any spelling errors? Insert comments here. Are there any errors in system syntax; for example, the use of a truncation symbol from a different search interface? Insert comments here. Are there incorrect line combinations or orphan lines (ie, lines that are not referred to in the final summation that could indicate an error in an AND or OR statement)? Insert comments here. 6. LIMITS AND FILTERS A - No revisions B - Revision(s) suggested C - Revision(s) required
Are there any spelling errors? Insert comments here. Are there any errors in system syntax; for example, the use of a truncation symbol from a different search interface? Insert comments here. Are there incorrect line combinations or orphan lines (ie, lines that are not referred to in the final summation that could indicate an error in an AND or OR statement)? Insert comments here. 6. LIMITS AND FILTERS A - No revisions B - Revision(s) suggested C - Revision(s) required If "B" or "C," please provide an explanation or example:
Are there any spelling errors? Insert comments here. Are there any errors in system syntax; for example, the use of a truncation symbol from a different search interface? Insert comments here. Are there incorrect line combinations or orphan lines (ie, lines that are not referred to in the final summation that could indicate an error in an AND or OR statement)? Insert comments here. 6. LIMITS AND FILTERS A - No revisions B - Revision(s) suggested C - Revision(s) required

Are all limits and filters used appropriately and are they relevant for the database?

Is the truncation too broad or too narrow?

Insert comments here.

Are any potentially helpful limits or filters missing? Are the limits or filters too broad or too narrow? Can any limits or filters be added or taken away?

Insert comments here.

Are sources cited for the filters used?

Insert comments here.

OVERALL EVALUATION	ON
(Note: If one or more "revision required" is noted above, the resp	oonse below must be "revisions required".)
A - No revisions	\boxtimes
B - Revision(s) suggested	
C - Revision(s) required	

Additional comments:

Just two very minor wording changes suggested as highlighted in comments above. But no substantial revisions suggested or required.

MEDLINE search string:

Search available <u>here</u>.

(heat exposure[Title/Abstract] OR post exercise sauna[Title/Abstract] OR post exercise hot water bath[Title/Abstract] OR heat acclimation OR heat acclimation OR heat acclimate OR post exercise bath OR heat adaptation OR heat adapt* OR "hot water immersion"[Title/Abstract] OR Sauna OR "heat chamber") AND (time trial[Title/Abstract] OR performance[Title/Abstract] OR race[Title/Abstract] OR time to fatigue[Title/Abstract] OR athletic performance[MeSH Terms] OR VO2max OR "aerobic capacity" OR exercise[title/abstract]) AND humans

CENTRAL search string:

Search available here.

- 1. (heat exposure):ti,ab,kw
- 2. (post exercise sauna):ti,ab,kw
- 3. (post exercise hot water bath):ti,ab,kw
- 4. (heat acclimation):ti.ab.kw
- 5. (heat acclimatization):ti,ab,kw
- 6. (heat acclimat*):ti,ab,kw
- 7. (post exercise bath):ti,ab,kw
- 8. (heat adaptation):ti,ab,kw
- 9. (heat adapt*):ti,ab,kw
- 10. ("hot water immersion"):ti,ab,kw
- 11. (sauna):ti,ab,kw
- 12. ("heat chamber"):ti,ab,kw
- 13. (#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12)
- 14. (time trial):ti,ab,kw
- 15. (performance):ti,ab,kw
- 16. (race):ti,ab,kw
- 17. (time to fatigue):ti,ab,kw
- 18. MeSH descriptor: [Athletic Performance] explode all trees
- 19. (VO2max):ti,ab,kw
- 20. ("aerobic capacity"):ti,ab,kw
- 21. (exercise):ti,ab,kw
- 22. (#14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21)
- 23. (human)
- 24. (#13 AND #22 AND #23)



PRISMA 2020 Checklist

Section and Topic	Item #	Checklist item	Location where item is reported
TITLE			io reporteu
Title	1	Identify the report as a systematic review.	Page 1
ABSTRACT	•		
Abstract	2	See the PRISMA 2020 for Abstracts checklist.	Page 2
INTRODUCTION	1		
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Page 3
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	Page 3
METHODS	1		
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	Page 4
Information sources	6	Specify all databases, registers, websites, organisations, reference lists and other sources searched or consulted to identify studies. Specify the date when each source was last searched or consulted.	Page 3
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	Page 3 and Supplemental File 2
Selection process	8	Specify the methods used to decide whether a study met the inclusion criteria of the review, including how many reviewers screened each record and each report retrieved, whether they worked independently, and if applicable, details of automation tools used in the process.	Page 4
Data collection process	9	Specify the methods used to collect data from reports, including how many reviewers collected data from each report, whether they worked independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the process.	Page 4-5
Data items	10a	List and define all outcomes for which data were sought. Specify whether all results that were compatible with each outcome domain in each study were sought (e.g. for all measures, time points, analyses), and if not, the methods used to decide which results to collect.	Page 4 and Table 1
	10b	List and define all other variables for which data were sought (e.g. participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear information.	Page 4-5
Study risk of bias assessment	11	Specify the methods used to assess risk of bias in the included studies, including details of the tool(s) used, how many reviewers assessed each study and whether they worked independently, and if applicable, details of automation tools used in the process.	Page 5
Effect measures	12	Specify for each outcome the effect measure(s) (e.g. risk ratio, mean difference) used in the synthesis or presentation of results.	Page 5-6
Synthesis methods	13a	Describe the processes used to decide which studies were eligible for each synthesis (e.g. tabulating the study intervention characteristics and comparing against the planned groups for each synthesis (item #5)).	Page 4
	13b	Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.	Page 4-5
	13c	Describe any methods used to tabulate or visually display results of individual studies and syntheses.	Pages 5 and 10
	13d	Describe any methods used to synthesize results and provide a rationale for the choice(s). If meta-analysis was performed, describe the model(s), method(s) to identify the presence and extent of statistical heterogeneity, and software package(s) used.	Page 5-6
	13e	Describe any methods used to explore possible causes of heterogeneity among study results (e.g. subgroup analysis, meta-regression).	Page 6
	13f	Describe any sensitivity analyses conducted to assess robustness of the synthesized results.	Page 6
Reporting bias	14	Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases).	Page 6



PRISMA 2020 Checklist

Section and Topic	Item #	Checklist item	Location where item is reported							
assessment										
Certainty assessment	15	Describe any methods used to assess certainty (or confidence) in the body of evidence for an outcome.	Page 7							
RESULTS										
Study selection	16a	Describe the results of the search and selection process, from the number of records identified in the search to the number of studies included in the review, ideally using a flow diagram.	Page 7 and Fig 1							
	16b									
Study characteristics	17	Cite each included study and present its characteristics.	Page 7 and Table 2							
Risk of bias in studies	18	Present assessments of risk of bias for each included study.	Page 9 and Fig 2							
Results of individual studies	19	For all outcomes, present, for each study: (a) summary statistics for each group (where appropriate) and (b) an effect estimate and its precision (e.g. confidence/credible interval), ideally using structured tables or plots.	Figs 3-11							
Results of syntheses	20a	For each synthesis, briefly summarise the characteristics and risk of bias among contributing studies.	Page 9 and Fig 2 and Table 2							
	20b	Present results of all statistical syntheses conducted. If meta-analysis was done, present for each the summary estimate and its precision (e.g. confidence/credible interval) and measures of statistical heterogeneity. If comparing groups, describe the direction of the effect.	Pages 10-13 and Figs 3-11							
	20c	Present results of all investigations of possible causes of heterogeneity among study results.	Pages 10-13							
	20d	Present results of all sensitivity analyses conducted to assess the robustness of the synthesized results.	Pages 10-13							
Reporting biases	21	Present assessments of risk of bias due to missing results (arising from reporting biases) for each synthesis assessed.	Pages 9-13 and Fig 2 and Fig 12							
Certainty of evidence	22	Present assessments of certainty (or confidence) in the body of evidence for each outcome assessed.	Page 13 and Table 3							
DISCUSSION	•									
Discussion	23a	Provide a general interpretation of the results in the context of other evidence.	Pages 14 & 18							
	23b	Discuss any limitations of the evidence included in the review.	Page 15							
	23c	Discuss any limitations of the review processes used.	Page 16							
	23d	Discuss implications of the results for practice, policy, and future research.	Page 19							
OTHER INFORMA	TION									
Registration and	24a	Provide registration information for the review, including register name and registration number, or state that the review was not registered.	Pages 2 & 4							
protocol	24b	Indicate where the review protocol can be accessed, or state that a protocol was not prepared.	Pages 2 & 4							



PRISMA 2020 Checklist

Section and Topic	Item #	Checklist item	Location where item is reported
	24c	Describe and explain any amendments to information provided at registration or in the protocol.	Page 4
Support	25	Describe sources of financial or non-financial support for the review, and the role of the funders or sponsors in the review.	Page 1
Competing interests	26	Declare any competing interests of review authors.	Page 1
Availability of data, code and other materials	27	Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review.	Pages 1, 10, and 14

From: Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. BMJ 2021;372:n71. doi: 10.1136/bmj.n71

For more information, visit: http://www.prisma-statement.org/

										-renormance/capacity -	time trial, time to exhaustion, race pe	normance, vozmax, economy/emciency,	or lactate threshold.
				n · ·	D ()0					**Physiology during ex-	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	se.
				Decision		inclusion/exclus							
uthor	Year	Title	Journal	Include or exclude?	Irrelevant / off topic?	f- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
A. Nelson; W. B. She		The influence of clothing, work, and air movement on the thermal exchanges of acclimatized men		Exclude	-	-	-	-	-	-	No	-	-
Krauss	1953	[Possibilities and limitations of the sauna in exercise therapy of cardiovascular diseases]	Arch Phys Ther (Leipz)	Exclude	-	-	No	-	-	-	No	-	-
R. Buskirk; P. F. Iam	npietro; 1958	Work performance after dehydration: effects of physical conditioning and heat acclimatization	J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
. Miettinen; E. Karvin	nen 1963	EFFECT OF SAUNA BATH ON PHYSICAL PERFORMANCE	J Sports Med Phys Fitnes	s Exclude	-	-	-	-	-	-	No	-	-
H. Nahum	1963	Acclimatization to heat. An exercise in the scientific method	Conn Med	Exclude	-	No	-	-	-	-	No	-	-
W. Meagher	1963	POST-TRAUMATIC VASOSPASM OF THE HAND	Med Trial Tech Q	Exclude	Yes	-	-	-	-	-	-	-	-
B. Strydom; C. H. W	Vyndha 1963	Effect of heat on work performance in the gold mines of South Africa	Fed Proc	Exclude	-	-	-	-	-	-	No	-	-
Saltin	1964	AEROBIC WORK CAPACITY AND CIRCULATION AT EXERCISE IN MAN. WITH SPECIA	Acta Physiol Scand Supp	l Exclude	-	No	-	-	-	-	No	-	-
Bedrak; G. Beer; K.	I. Furn 1964	FIBRINOLYTIC ACTIVITY AND MUSCULAR EXERCISE IN HEAT	J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Bradbury; R. H. Fo	ox; R. 1964		J Physiol	Exclude	-	-	-	-	-	-	No	-	-
Fornoza	1964	MODIFICATIONS OF THE HEMOGRAMME IN SWIMMERS AND GYMNASTS BY PHYSI	J Sports Med Phys Fitnes	s Exclude	Yes	-	-	-	-	-	-	-	-
E. Greenleaf	1964		Nature	Exclude	-	-	-	-	-	-	No	-	-
J. Joy; R. H. Poe; T.	R. Dav 1964	THE EFFECT OF PRIOR HEAT ACCLIMATIZATION UPON MILITARY PERFORMANCE IN	Mil Med	Exclude	-	-	-	-	-	-	No	-	-
Saltin	1964	CIRCULATORY RESPONSE TO SUBMAXIMAL AND MAXIMAL EXERCISE AFTER THEF	J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Saltin	1964	AEROBIC AND ANAEROBIC WORK CAPACITY AFTER DEHYDRATION	J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
H. Wyndham; R. K.	McPhe 1964	REACTIONS TO HEAT OF ABORIGINES AND CAUCASIANS	J Appl Physiol	Exclude	-	No	-	-	-	-	No	-	-
H. Wyndham; B. Me	etz; A. l 1964	REACTIONS TO HEAT OF ARABS AND CAUCASIANS	J Appl Physiol	Exclude	-	No	-	-	-	-	No	-	-
H. Wyndham; N. B.	Strydo 1964	HEAT REACTIONS OF CAUCASIANS AND BANTU IN SOUTH AFRICA	J Appl Physiol	Exclude	-	No	-	-	-	-	No	-	-
H. Wyndham; N. B.	Strydo 1964	HEAT REACTIONS OF CAUCASIANS IN TEMPERATE, IN HOT, DRY, AND IN HOT, HUM	J Appl Physiol	Exclude	-	No	-	-	-	-	No	-	-
. Greenleaf; F. Sarge	ent, 2nd 1965	Voluntary dehydration in man	J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Wing	1965		Aerosp Med	Exclude	-	-	-	-	-	-	No		-
V. Garden	1966		J Appl Physiol	Exclude	-	No	-	-	-	-	No		
Peter; C. H. Wyndhan	m 1966	Activity of the human eccrine sweat gland during exercise in a hot humid environment before and	J Physiol	Exclude	-	-	-	_	-	-	No	-	-
J. Ward; E. J. Powell			J Psychol	Exclude	-	-	-	_	-	_	No	_	-
J. Marx; L. B. Rowel			J Appl Physiol	Exclude				_	_		No		
Robinson	1967		Can Med Assoc J	Exclude		No		_	_		-	_	_
A. Downey; R. C. Da		The effects, of heat, cold, and exercise on the peripheral circulation	Arch Phys Med Rehabil	Exclude		-					No		
P. Colguhoun	1969	Effects of raised ambient temperature and event rate on vigilance performance	Aerosp Med	Exclude				_	-		No		
Deroanne; F. Pirnay;	- J M 11969	[Measurements of central temperature during muscular exercise carried out in a hot environment]	•	Exclude			No	_	_		No		
G. Edholm	1969		Proc R Soc Med	Exclude			-				No		
J. Gold: A. Zornitzer	1707		J Appl Physiol	Exclude							No		
E. Greenleaf: J. S. Bo	,		Nature	Exclude	-		-	-	-	-	No	-	-
K. Mathews; E. L. Fe			J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
W. Schrier; J. Hano;		Renal, metabolic, and circulatory responses to heat and exercise. Studies in military recruits durin	11 /	Exclude	-	-	-	-	-	-	No	-	-
C. Senay, Jr.	1970	Movement of water, protein and crystalloids between vascular and extra-vascular compartments in		Exclude	-	-	-	-	-	-	No	-	-
T. Davies; C. Barnes		Body temperature in exercise. Effects of acclimatisation to heat and habituation to work	Int Z Angew Physiol	Exclude	-	-	-	-	-	-	No	-	-
Baumgartl; E. Knapp		[The effect of sauna on haemodynamics and myocardial performance]	Munch Med Wochenschr	Exclude	-	-	No	-	-	-	No	•	-
Ghaem; J. M. Verpill					-	-	INO	-	-	-	No	•	-
Guaem, J. M. Verpiii Guusinen: M. Heinon		[Reaction of the cutaneous circulation to muscular exercise at a high ambient temperature in non-		Exclude	-	-	-	-	-	-		•	-
Aarcus	1972 1972	* * * * * * * * * * * * * * * * * * * *	J Appl Psychol J Appl Physiol	Exclude	-	-	-	-	-	-	No	•	-
	1972			Exclude	-	-	-	-	-	-	No	•	-
C. Senay, Jr.		Changes in plasma volume and protein content during exposures of working men to various temporary		Exclude	-	-	-	-	-	-	No	•	-
aggart; P. Parkinson		Cardiac responses to thermal, physical, and emotional stress	Br Med J	Exclude	-	-	-	-	-	-	No	-	-
L. Drinkwater	1973	,	Exerc Sport Sci Rev	Exclude	-	-	-	-	-	-	No	-	-
G. Edholm; R. H. Fo			Arch Sci Physiol (Paris)	Exclude	-	-	-	-	-	-	No	-	-
F. Grether	1973	·	Aerosp Med	Exclude	-	-	-	-	-	-	No	-	-
). Noakes	1973		S Afr Med J	Exclude	-	-	-	-	-	-	No	-	-
I. Wyndham	1973		Annu Rev Physiol	Exclude	-	-	-	-	-	-	No	-	-
. Dordel	1974	[The effects of a 14-day physical training program within the framework of a rehabilitation course	-	Exclude	-	-	No	-	-	-	No	-	-
. Gisolfi; J. R. Copp		Thermal effects of prolonged treadmill exercise in the heat	Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
. Greenleaf; J. S. Bo			Aerosp Med	Exclude	-	-	-	-	-	-	No	-	-
R. Nadel; K. B. Pand			J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Nielsen	1974		Acta Physiol Scand	Exclude	-	-	-	-	-	-	No	-	-
B. Pandolf; R. R. Go			Aerosp Med	Exclude	-	-	-	-	-	-	No	-	-
B. Pandolf; E. Kamo			Life Sci	Exclude	-	-	-	-	-	-	No	-	-
L. Wells; S. M. Horv	vath 1974	Metabolic and thermoregulatory responses of women to exercise in two thermal environments	Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-

												erformance, VO2max, economy/efficiency, o	
				D	D () C					**Physiology during ex	tercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
uthor	Year	Title	Journal	Decision Include or exclude?		r inclusion/exclus ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during
											exposure for at least 2 consecutive days?	•	exercise**?
C. Adams; R. H. Fox; A.	I 1975	Thermoregulation during marathon running in cool, moderate, and hot environments	J Appl Physiol	Exclude	_	_	_	_			No	_	_
Γ. Agarkov; A. S. Pavlov		[Increasing human heat tolerance by means of muscle training]	Kosm Biol Aviakosm Me		-	-	No	-	-	-	No	-	-
M. Davis; A. D. Baddeley	7; 11975	Diver performance: the effect of cold	Undersea Biomed Res	Exclude	Yes	-	-	-	-	-	-	-	-
T. Fein; E. M. Haymes; E.	. R 1975	Effects of daily and intermittent exposures on heat acclimation of women	Int J Biometeorol	Exclude	-	-	-	-	-	-	No	-	-
Kamon	1975	Ergonomics of heat and cold	Tex Rep Biol Med	Exclude	-	-	-	-	-	-	No	-	-
F. O'Donnell, Jr.	1975	Acute heat stroke. Epidemiologic, biochemical, renal, and coagulation studies	Jama	Exclude	-	-	-	-	-	-	No	-	-
D. Ramsey; D. Dayal; B.	Gł 1975	Heat stress limits for the sedentary worker	Am Ind Hyg Assoc J	Exclude	-	-	-	-	-	-	No	-	-
C. Senay, Jr.	1975		J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
C. Senay, Jr.; S. Fortney	1975	Untrained females: effects of submaximal exercise and heat on body fluids	J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Shvartz; N. B. Strydom; I		Orthostatism and heat acclimation	J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Baum; K. Brück; H. P. Sc			J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
M. Bonner; M. H. Harriso		Effect of heat acclimatization on intravascular responses to acute heat stress in man	J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
J. Collins; R. J. Brotherho		Physiological performance and work capacity of Sudanese cane cutters with Schistosoma manson		Exclude	Yes	-	-	-	-	-	-	-	-
E. Cooper; S. Martin; P. I		Respiratory and other responses in subjects immersed in cold water	J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
. H. Harrison; R. J. Edwar		Measurement of change in plasma volume during heat exposure and exercise	Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
W. Hubbard; W. T. Matth		The laboratory rat as a model for hyperthermic syndromes in humans	Am J Physiol	Exclude	-	-	-	-	-	No	-	-	-
Kamon	1976	Acclimation processes by daily exercise stints at temperate conditions followed by short heat expo			-	No	-	-	-	-	-	-	-
P. Martineaud; J. Raynaud		[Hand blood flow at rest and during submaximal exercise in acute and chronic heat stress (author's		Exclude	-	-	No	-	-	-	No	-	-
Meister Mitchell; L. C. Senay; C.	1976	[Heat exposure, performance reliability and efficiency]	Z Psychol Z Angew Psych		-	-	No	-	-	-	No No	-	-
		Acclimatization in a hot, humid environment: energy exchange, body temperature, and sweating	Int J Biometeorol	Exclude	-	-	-	-	-	-	- 14	-	-
Raynaud; J. P. Martineaud C. Senay; D. Mitchell; C.		Body temperatures during rest and exercise in residents and sojourners in hot climate Acclimatization in a hot, humid environment: body fluid adjustments	J Appl Physiol	Exclude Exclude	-	-	-	-	-	-	No No	-	-
Shibolet; M. C. Lancaster		Heat stroke: a review	Aviat Space Environ Med		-	No	-	-	-	-	INO	-	-
H. Wyndham; G. G. Roge			J Appl Physiol	Exclude	-	INO	-	-	-	-	No	-	-
R. Buskirk	1977	Temperature regulation with exercise	Exerc Sport Sci Rev	Exclude	-	No	-	-		-	No	-	-
Francesconi: J. Maher: G		Recurrent heat exposure: effects on levels of plasma and urinary sodium and potassium in resting				-					No	-	
P. Francesconi; J. T. Mah	er: 1977	Recurrent heat exposure: enzymatic responses in resting and exercising men	J Appl Physiol Respir Env		-	-	-	-	-	-	No	_	-
. Henane; R. Flandrois; J. I		Increase in sweating sensitivity by endurance conditioning in man	J Appl Physiol Respir Env		-	-	-	-	-	-	No	-	
. E. Herman; M. H. Stroud	; V 1977	Diaphoresis and Meniere's disease	Arch Otolaryngol	Exclude	Yes	-	-	-	-	-	-	-	-
. Irondelle; H. Freund	1977	Carbohydrate and fat metabolism of unacclimatized men during and after submaximal exercise in	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
V. Kuhlemeier; J. M. Mil	llei 1977	Determinants of the prescriptive zone of industrial workers	J Appl Physiol Respir En		-	-	-	-	-	-	No	-	-
Mairiaux; W. Nullens; R.	Fe 1977	[Evaluation of the effects of cooling clothes on the adaptation to prolonged exertion in high temper	Rev Inst Hyg Mines (Has	s Exclude	-	-	No	-	-	-	No	-	-
Ohira; A. Ito; S. Ikawa	1977	Hemoconcentration during isotonic handgrip exercise	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
B. Pandolf; R. L. Burse; l	R. 1977	Role of physical fitness in heat acclimatisation, decay and reinduction	Ergonomics	Exclude	-	-	-	-	-	-	No	-	-
. F. Roberts; C. B. Wenger	r; 1977	Skin blood flow and sweating changes following exercise training and heat acclimation	J Appl Physiol Respir En	Exclude	-	-	-	-	-	-	No	-	-
J. S'Jongers; P. Vogelaere;	J. 1977	[Development of various physiological variables during sauna in a moderately trained male popul	Schweiz Z Sportmed	Exclude	-	-	No	-	-	-	No	-	-
C. Senay; R. Kok	1977	Effects of training and heat acclimatization on blood plasma contents of exercising men	J Appl Physiol Respir En	Exclude	-	-	-	-	-	-	No	-	-
Shvartz; Z. Glick; A. Mag	-	Responses to temperate, cold, and hot environments and the effect of physical training	Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
Shvartz; A. Meroz; A. Ma		Exercise and heat orthostatism and the effect of heat acclimation and physical fitness	Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
Shvartz; Y. Shapiro; A. M	-1		J Appl Physiol Respir En		-	-	-	-	-	-	No	-	-
Shvartz; S. Shibolet; A. M			J Appl Physiol Respir En		-	-	-	-	-	-	No	-	-
A. Stolwijk	1977	Responses to the thermal environment	Fed Proc	Exclude	-	No	-	-	-	-	No	-	-
G. Wenzel; R. Ilmarinen		Effects of environmental heart on performance and some physiological responses of a man during		Exclude	-	-	-	-	-	-	No	-	-
de Techtermann; E. Jéquie		[Calorimetric study of the effect of salicylate in man during heat exposure and exercise (author's t		Exclude	-	-	No	-	-	-	No	-	-
Engel; G. Hildebrandt; A.		[Studies on thermoregulative performance of disabled persons with congenital maldevelopment of		Exclude	-	-	No	-	-	-	No	-	-
R. Gonzalez; L. G. Bergli	un 1978 1978		J Appl Physiol Respir Env		-	-	-	-	-	-	No No	-	-
W. Lane; J. J. Cerda Miura	1978		J Am Diet Assoc J Hum Ergol (Tokyo)	Exclude Exclude	-	-	-	-	-	-	No No	-	-
A. Nunneley	1978	Physiological responses of women to thermal stress: a review	Med Sci Sports		-	No.	-	-	-	-	No No	-	-
A. Nunneley Pribil; J. Matousek	1978	The effect of periodical sauna bath on certain signs of the neurovegetative system and physical fi		Exclude Exclude	-	No	- No	-	-	-	No No	-	
C. Senay, Jr.	1978	Early response of plasma contents on exposure of working men to heat	J Appl Physiol Respir En		1		-	1	-	T.	No		
Shvartz; Y. Shapiro; H. B		Maximal oxygen uptake, heat tolerance and rectal temperature	Med Sci Sports	Exclude	i.	-E	-	1	-	-	No	-	-
Vuori; M. Mäkäräinen; A.		Sudden death and physical activity	Cardiology	Exclude			-	i i	1	T.	No	_	_
L. Drinkwater; S. M. Hor			Med Sci Sports	Exclude	-	-	-	-	-	1-	No	-	_
M. Fortney; L. C. Senay,			J Appl Physiol Respir En		-	-	-	-	-	-	No	-	-
V. Gisolfi; J. S. Cohen	1979	Relationships among training, heat acclimation, and heat tolerance in men and women: the control		Exclude		No					No		

												rformance, VO2max, economy/efficiency, o	
												re temp, and thermal comfort during exercis	
				Decision		inclusion/exclus							
uthor	Year	Title	Journal	Include or exclude?	Irrelevant / of topic?	f- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measurin endurance exercise performance/capaci or physiology durin exercise**?
E. Greenleaf; V. A. O		Plasma volume during stress in man: osmolality and red cell volume	J Appl Physiol Respir Env		-	-	-	-	-	-	No	-	-
L. Jooste; J. M. Wol	olfswinke 1979	Epileptic-type convulsions and magnesium deficiency	Aviat Space Environ Med	Exclude	Yes	-	-	-	-	-	-	-	-
G. McMurray; S. M	M. Horva 1979	Thermoregulation in swimmers and runners	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
P. Mikhaĭlov	1979	[Occupational hygiene in work in insulating clothing]	Voen Med Zh	Exclude	-	-	No	-	-	-	No	-	-
R. Nadel	1979	Control of sweating rate while exercising in the heat	Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
B. Pandolf	1979	Effects of physical training and cardiorespiratory physical fitness on exercise-heat tolerance: rece	Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
. F. Roberts; C. B. W	Wenger 1979	Control of skin circulation during exercise and heat stress	Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
C. Senay, Jr.	1979	Effects of exercise in the heat on body fluid distribution	Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
Shvartz; A. Bhattac	charya; S 1979	Deconditioning-induced exercise responses as influenced by heat acclimation	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
A. Avellini; E. Kam	non; J. T. 1980	Physiological responses of physically fit men and women to acclimation to humid heat	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
Bar-Or; R. Dotan; O	O. Inbar 1980	Voluntary hypohydration in 10- to 12-year-old boys	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
A. Convertino; J. E.		Role of thermal and exercise factors in the mechanism of hypervolemia	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
. A. Davis; P. L. Joos	oste 1980	Subcutaneous interstitial pressure in man and dogs exposed to heat and exercise stress	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
P. Dimri; M. S. Ma	alhotra; J 1980	Alterations in aerobic-anaerobic proportions of metabolism during work in heat	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
J. Gaebelein; L. C.	Senay, J 1980	Influence of exercise type, hydration, and heat on plasma volume shifts in men	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
Gribetz; E. D. Rich	hter; M. I 1980	Heat stress exposure of aerial spray pilots	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
Illig; E. Paul; K. Br	rück; H. 1980	Experimental investigations on the trigger mechanism of the generalized type of heat and cold urt	Acta Derm Venereol	Exclude	Yes	-	-	-	-	-	-	-	-
Kobayashi; Y. Ando	lo; N. Ok 1980	Effects of endurance training on thermoregulation in females	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
Kobayashi; Y. Ando	lo; S. Tak 1980	Effects of heat acclimation of distance runners in a moderately hot environment	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
Liappis; E. Kochbe	eck; G. F 1980	[Amino acid losses in human sweat. Influence of oral contraceptives, physical exercise and sex or	Arch Dermatol Res	Exclude	Yes	-	-	-	-	-	-	-	-
J. Luurila	1980	Arrhythmias and other cardiovascular responses during Finnish sauna and exercise testing in heal	Acta Med Scand Suppl	Exclude	Yes	-	-	-	-	-	-		-
M. Paolone; W. T. I	Lanigan; 1980	Effects of a postexercise sauna bath on ECG pattern and other physiologic variables	Aviat Space Environ Med	Exclude	-	Yes	Yes	Yes	Yes	Yes	No	Yes	No
Turner; J. Pennefatl	ther; C. F 1980	Cardiovascular effects of hot water immersion (suicide soup)	Med J Aust	Exclude	-	-	-	-	-	-	No	-	-
L. Wells	1980	Responses of physically active and acclimatized men and women to exercise in a desert environm	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No		-
L. Wells; S. H. Con	nstable; / 1980	Training and acclimatization: effects on responses to exercise in a desert environment	Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
Werner; T. Reents	1980	A contribution to the topography of temperature regulation in man	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
Bachmann; R. Zerz	zawy 1981	Radiotelemetry of direct blood pressure measurements in the arterial and pulmonary circulation		Exclude	Yes	-	-	-	-	-	-		-
Bonde-Petersen	1981	Cardiovascular reflexes during rest and exercise modified by gravitational stresses	Acta Astronaut	Exclude	Yes	-	-	-	-	-	-	-	-
. T. Davies	1981	Effect of acclimatization to heat on the regulation of sweating during moderate and severe exercise	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No		-
A. Davies; M. H. Ha	Iarrison; 11981	Effect of saline loading during heat acclimatization on adrenocortical hormone levels	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
. L. Fisher; D. W. Sn	mith 1981	Occipital encephalocele and early gestational hyperthermia		Exclude	Yes	-	-	-	-	-	-	-	-
J. Frye; E. Kamon	1981	Responses to dry heat of men and women with similar aerobic capacities	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
Graham	1981	Alcohol ingestion and man's ability to adapt to exercise in a cold environment		Exclude	-	-	-	-	-	-	No	-	-
E. Greenleaf; D. Sci	iaraffa; I 1981	Exercise training hypotension: implications for plasma volume, renin, and vasopressin	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No		-
I. H. Harrison; R. J. I		Blood volume and plasma protein responses to heat acclimatization in humans	J Appl Physiol Respir Env		-	Yes	Yes	Yes	Yes	Yes	No	Yes	No
. Inbar; O. Bar-Or; R	R. Dotan: 1981	Conditioning versus exercise in heat as methods for acclimatizing 8- to 10-yr-old boys to dry heat			-	-	-	-	-	No	No	-	-
. S. Malhotra; K. Sri	ridharan; 1981	Effect of restricted potassium intake on its excretion and on physiological responses during heat s			-	-	-	-	-	-	No		-
P. Mihal, Jr.	1981	Effect of heat stress on physiological factors for industrial workers performing routine work and v		Exclude	-	-	-	-	-	-	No		-
Ohira: R. N. Girand		Responses of leukocytes and other hematologic parameters to thermal dehydration	J Appl Physiol Respir Env		-	-	-	-	-	-	No	_	_
Shoenfeld; Z. Harar	ari: Y. Sh. 1981	Cholinergic urticaria. A seasonal disease		Exclude	Yes		1.	1.	-	_			_
Shvartz: V. A. Conv		Orthostatic fluid-electrolyte and endocrine responses in fainters and nonfainters	J Appl Physiol Respir Env		Yes	-	-	-	-	-	-	-	-
K. Sulimo-Samuĭllo	lo: N. D. 1981	[Effect of the degree of physical training on human body resistance to high temperature exposure		Exclude	-	-	No	-	-	-	No		-
van Beaumont; S. U			J Appl Physiol Respir Env				-		_		No		
A. Avellini; Y. Shap		Effects on heat tolerance of physical training in water and on land	J Appl Physiol Respir Env		-	-	-	_	-	-	No	-	_
J. Barter; P. M. Clar		The relationship of forearm flexion isometric strength, endurance, and fiber composition; and the		Exclude		1.	-		-	-	No	_	
J. Frye; E. Kamon;		Responses of menstrual women, amenorrheal women, and men to exercise in a hot, dry environm			-	-	-	-	-	-	No		_
E. Greenleaf	1982	Dehydration-induced drinking in humans		Exclude	Yes	-	-	-	-	_	-	-	-
H. Horstman; E. Ch		Acclimatization to dry heat: active men vs. active women	J Appl Physiol Respir Env		-	-	-	-	-	_	No	-	-
W. Johnson	1982	Preventing heat stroke		Exclude	Yes	-	-	_	-	_	_	_	_
Pearson; M. J. Mac		Diurnal and sequential grip functions in normal subjects and effects of temperature change and ex		Exclude	Yes	1.	1	Ti.	T.	-		-	
J. Searle	1982	Effects of the sauna	Jama J Kileumator	Exclude	103	No	1	H <u>i</u>		-	No	_	
Shapiro; Y. Shapiro		The effect of salt loading diet on the intraocular pressure	Acta Ophthalmol (Copenh		Yes	-	-[H.	-12	-	_	_	
Shapiro; K. B. Pand		Auxiliary cooling: comparison of air-cooled vs. water-cooled vests in hot-dry and hot-wet environ			1 05					-	No		
M. Sheldahl; E. R. l		Effects of exercise in cool water on body weight loss		Exclude	Yes	+		1	-	+	110	-	-
Verde; R. J. Shepha		Sweat composition in exercise and in heat	J Appl Physiol Respir Env		1 08	-	-	-	-	-	- No	-	-
verue, r. J. onepha	mu, r. Ct 1702	Sweat composition in exercise and in near	J Med Eng Technol	Exclude	-	-	-	-	-	-	INO	-	-

										*Performance/canacity	time trial, time to exhaustion race no		or lactate threshold
										**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	rformance, VO2max, economy/efficiency, or temp, and thermal comfort during exercise	e. nacestic un'esticit.
				Decision	Reason(s) for	r inclusion/exclus	sion:						
Author	Year	Title	Journal	Include or exclude?	Irrelevant / or topic?	ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
i. L. Brengelmann	1983	Circulatory adjustments to exercise and heat stress	Annu Rev Physiol	Exclude	-	-	-	-	-	-	No	-	-
И. D. Curley; R. N. Hawkii		Cognitive performance during a heat acclimatization regimen	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
N. Fellmann; G. Grizard; J.			J Appl Physiol Respir Env		-	-	-	-	-	-	No	-	-
R. P. Francesconi; M. N. Sa			J Appl Physiol Respir Env		-	-	-	-	-	-	No	-	-
J. E. Greenleaf; P. J. Brock;		-	J Appl Physiol Respir Env		-	-	-	-	-	-	No	-	-
A. Hoffmann; M. Müller; H		[Are swimming and sauna hazardous in the rehabilitation of heart patients?]	Schweiz Med Wochensch		Yes	-	No	-	-	-	-	-	-
H. Kalant; A. D. Lê	1983	Effects of ethanol on thermoregulation	Pharmacol Ther	Exclude	Yes	-	-	-	-	-	-	-	-
R. Kubica; B. Nielsen; A. B		Relationship between plasma volume reduction and plasma electrolyte changes after prolonged bi		Exclude	-	-	-	-	-	-	No	-	-
G. N. Novozhilov; V. P. Ko		[Physiologo-medical evaluation of regimens of preliminary heat adaptation]	Voen Med Zh	Exclude	-	-	No	-	-	-	-	-	-
M. L. O'Toole; A. M. Paolo		The effects of heat acclimation on plasma volume and plasma protein of females	Int J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
K. Sato; F. Sato	1983	Individual variations in structure and function of human eccrine sweat gland	Am J Physiol	Exclude	Yes	-	-	-	-	-	- No	-	-
M. N. Sawka; R. W. Hubbar M. N. Sawka; K. B. Pandol:		Effects of acute plasma volume expansion on altering exercise-heat performance Does heat acclimation lower the rate of metabolism elicited by muscular exercise?	Eur J Appl Physiol Occup		-	-	-	-	-	-	No No	-	-
M. N. Sawka; K. B. Pandol: M. N. Sawka; M. M. Toner;	.,	*	Aviat Space Environ Med J Appl Physiol Respir Env		-	-	-	-	-	-	No No	-	-
M. N. Sawka; M. M. Toner; V. M. Sharma; G. Pichan; N		Differential effects of hot-humid and hot-dry environments on mental functions	Int Arch Occup Environ F		-	-	-	-	-	-	No No	-	-
H. J. Winterfeld; D. Strangf		[Effect of sauna and walking series on blood pressure, peripheral microcirculation and performance		Exclude	-		No.	-	-	-	No	-	-
A. B. Babaev; M. Charyev;		[Blood circulation in healthy inhabitants of the arid zone of Turkmenistan. Report 2. Use of control		Exclude	Yes		No	-		-	-	-	-
J. R. Brotherhood	1984	Nutrition and sports performance	Sports Med	Exclude	Yes		-						-
B. S. Cadarette; M. N. Sawl		Aerobic fitness and the hypohydration response to exercise-heat stress	Aviat Space Environ Med		-						No		-
J. E. Caldwell; E. Ahonen; I		11 1 1	J Appl Physiol Respir Env								No		1
E. Danforth, Jr.; A. Burger		The role of thyroid hormones in the control of energy expenditure		Exclude	Yes			_	-	_	-	_	
G. Dixon; P. Eurman; B. E.		Hypothalamic function in amenorrheic runners	Fertil Steril	Exclude	Yes	-	-	-	-	-		-	
R. P. Francesconi; M. N. Sa	wk 1984	Hypohydration and acclimation: effects on hormone responses to exercise/heat stress	Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
S. I. Gibbons; W. C. Adams	1984	Combined effects of ozone exposure and ambient heat on exercising females	J Appl Physiol Respir Env	Exclude	Yes	-	-	-	-	-	-	-	-
C. V. Gisolfi; C. B. Wenger	1984	Temperature regulation during exercise: old concepts, new ideas	Exerc Sport Sci Rev	Exclude	-	No	-	-	-	-	-	-	-
K. N. Kachanovskiĭ	1984	[Effect of short-term thermal adaptation on indices of physical work capacity]	Fiziol Cheloveka	Exclude	-	-	No	-	-	-	-	-	-
M. A. Kolka; W. L. Holden;	R 1984	Heat exchange following atropine injection before and after heat acclimation	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
M. A. Kolka; L. Levine; B.	S. 1984	Effects of heat acclimation on atropine-impaired thermoregulation	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
A. T. Mar'ianovich; V. S. Ba	alai 1984	[Individual characteristics of the body's reactions to combined heat and physical loading]	Fiziol Cheloveka	Exclude	-	-	No	-	-	-	No	-	-
D. M. Orenstein; K. G. Hen	ke 1984	Heat acclimation in cystic fibrosis	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	No	No	-	-
J. S. Petrofsky; C. A. Phillip	os 1984	The use of functional electrical stimulation for rehabilitation of spinal cord injured patients	Cent Nerv Syst Trauma	Exclude	Yes	-	-	-	-	-	-	-	-
J. M. Pivarnik; E. M. Leeds			J Appl Physiol Respir Env		Yes	-	-	-	-	-	-	-	-
M. N. Sawka; R. P. Frances		,	J Appl Physiol Respir Env		-	-	-	-	-	-	No	-	-
M. N. Sawka; R. P. Frances			Jama	Exclude	-	-	-	-	-	-	No	-	-
M. N. Sawka; L. Levine; M		Effect of atropine on the exercise-heat performance of man	Fundam Appl Toxicol	Exclude	-	-	-	-	-	-	No	-	-
L. E. Armstrong; D. L. Cost		Effects of dietary sodium on body and muscle potassium content during heat acclimation	Eur J Appl Physiol Occup		-	-	-	-	-	-	No	-	-
S. M. Fortney; N. B. Vroma		Exercise, performance and temperature control: temperature regulation during exercise and implie		Exclude	-	No	-	-	-	-	No	-	-
R. P. Francesconi; M. N. Sa		Plasma hormonal responses at graded hypohydration levels during exercise-heat stress	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
C. J. Gaebelein; L. C. Senay S. Gold; M. Cahani; H. Soh	.,	Changes in blood pressure, heart rate and blood constituents during heat exposure in men with ele			- -	-	-	-	-	- N.	No	-	-
S. Gold; M. Canani; H. Son C. Goodman: I. Cohen: J. W.		Effects of body temperature elevation on auditory nerve-brain-stem evoked responses and EEGs in The effect of water intake on body temperature during rugby matches	S Afr Med I	Exclude	Yes		-	-	-	No	- No	-	-
J. E. Greenleaf; P. J. Brock;		Effects of exercise-heat acclimation on fluid, electrolyte, and endocrine responses during tilt and			-			-		-	No		-
M. H. Harrison	1985	Effects on thermal stress and exercise on blood volume in humans	Physiol Rev	Exclude	-[-[1		T.	No		£
S. K. Hillman; G. Delforge		The use of physical agents in rehabilitation of athletic injuries	Clin Sports Med	Exclude	Yes		-	-	-	-	-	-	1
R. Huch	1985	[Travel, sports and pregnancy]	Geburtshilfe Frauenheilko		Yes		No	-	-	-	-	-	-
A. Ivanov Yu; L. A. Korole		Heat acclimatization by controlled hypothermia	Hum Physiol	Exclude	-	-	-	-	-	-	No	-	-
M. Jauhiainen; M. Laitinen;		Lipids and apolipoproteins A-I, B and C-II and different rapid weight loss programs (weight lifter		Exclude	Yes	-	-	-	-	-	-	-	_
f. Katsuura; K. Nakano; Y.		Influence of native place on forearm blood flow at rest and during exercise in dry and humid heat		Exclude	-	-	-	-	-	-	No	-	-
W. L. Kenney	1985	A review of comparative responses of men and women to heat stress	Environ Res	Exclude	-	No	-	-	-	-	-	-	-
D. S. King; D. L. Costill; W			J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	No	-	-
G. Pichan; K. Sridharan; Y.		Physiological acclimatization to heat after a spell of cold conditioning in tropical subjects	Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
M. N. Sawka; A. J. Young;		Influence of heat stress and acclimation on maximal aerobic power	Eur J Appl Physiol Occup		-	-	-	-	-	-	No	-	-
M. N. Sawka; A. J. Young;		-		Exclude	-	-	-	-	-	-	No	-	-
R. J. Shephard	1985	Adaptation to exercise in the cold	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
R. E. Sinclair	1985	Be serious about siriasis. Guidelines for avoiding heat injury during 'dog days'	Postgrad Med	Exclude	Yes	-	-	-	-	-	-	-	-
. Smolander; P. Kolari	1985	Laser-Doppler and plethysmographic skin blood flow during exercise and during acute heat stress	-	Exclude		No	_		1.		No	_	1.

		haracteristics of excluded studies - Studies excluded by TS								*Performance/capacity	= time trial, time to exhaustion, race pe	erformance, VO2max, economy/efficiency, o	or lactate threshold.
				n	D () 0					**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
_			_	Decision		inclusion/exclus							
uthor	Year	Title	Journal	Include or exclude?	Irrelevant / of topic?	ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measurin endurance exercise performance/capaci or physiology durin exercise**?
J. Young; M. N. Sawka;	L. 1985	Skeletal muscle metabolism during exercise is influenced by heat acclimation	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
F. Barkve; K. Langseth-l	Mai 1986	Increased uptake of transdermal glyceryl trinitrate during physical exercise and during high ambie	Am Heart J	Exclude	-	No	-	-	-	-	No	-	-
M. Budd; A. L. Hendrie	; S. 1986	Behavioural temperature regulation during a motor-toboggan traverse in Antarctica	Eur J Appl Physiol Occup	Exclude	Yes	-	-	-	-	-	-	-	-
S. Cadarette; L. Levine;	P. 11986	Effects of atropine on thermoregulatory responses to exercise in different environments	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
L. Costill	1986	Muscle metabolism and electrolyte balance during heat acclimation	Acta Physiol Scand Suppl	Exclude	-	-	-	-	-	-	No	-	-
Danon; S. Ben-Shimon;	Z. 1986	Effect of exercise and heat exposure on percutaneous absorption of methyl salicylate	Eur J Clin Pharmacol	Exclude	-	-	-	-	-	-	No	-	-
A. Eisenman	1986	Hot weather, exercise, old age, and the kidneys	Geriatrics	Exclude	-	No	-	-	-	-	No	-	-
. Fujishima	1986	Thermoregulatory responses during exercise and a hot water immersion and the affective response	Int J Biometeorol	Exclude	-	-	-	-	-	-	No	-	-
. H. Harrison	1986	Heat and exercise. Effects on blood volume	Sports Med	Exclude	-	No	-	-	-	-	No	-	-
Hessemer; A. Zeh; K. Bi	rücl 1986	Effects of passive heat adaptation and moderate sweatless conditioning on responses to cold and h	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
. Ishikawa; K. Ishikawa	1986	Influence of profuse sweating on systolic time intervals	Br Heart J	Exclude	Yes	-	-	-	-	-	-	-	-
M. Johnson; G. L. Breng	geln 1986	Regulation of the cutaneous circulation	Fed Proc	Exclude	Yes	-	-	-	-	-	-	-	-
L. Kenney; D. A. Lewis	s; R 1986	A simple exercise test for the prediction of relative heat tolerance	Am Ind Hyg Assoc J	Exclude	Yes	-	-	-	-	-	-	-	-
R. Kirby; V. A. Converti	ino 1986		J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
A. Kirsch; L. Röcker; H	l. vc 1986	The cardiac filling pressure following exercise and thermal stress	Yale J Biol Med	Exclude	-	-	-	-	-	-	No	-	-
Konikoff; Y. Shoenfeld;	A. 11986	Effects of salt loading during exercise in a hot dry climate	Biomed Pharmacother	Exclude	-	-	-	-	-	-	No	-	-
P. Kozlovskiĭ; E. A. Lus	shel: 1986	[Human tolerance for high-intensity contact heat exposure of the surface of the skin]	Kosm Biol Aviakosm Med	Exclude	-	-	No	-	-	-	-	-	-
Leblanc	1986	Thermogenesis with relation to exercise and exercise-training		Exclude	-	No	-	-	-	-	-	-	-
A. Lewis; E. Kamon; J.	L.11986	Physiological differences between genders. Implications for sports conditioning	Sports Med	Exclude	Yes	No	-	-	-	-	-	_	
B. Pandolf; L. A. Strosc	heii 1986	Prediction modeling of physiological responses and human performance in the heat		Exclude	-	No	-	_	-	-	No	_	-
M. Pivarnik; L. C. Senay			Eur J Appl Physiol Occup				-	1.	-	_	No	_	
Ratge; A. Gehrke; I. Me		Free and conjugated catecholamines in human plasma during physical exercise	Clin Exp Pharmacol Phys		Yes	_	-	-	-	-	-	_	-
C. Senay, Jr.	1986	An inquiry into the role of cardiac filling pressure in acclimatization to heat	Yale J Biol Med	Exclude	-	No	-		-		_	_	
Smolander; P. Kolari; O.		Aerobic and anaerobic responses to incremental exercise in a thermoneutral and a hot dry environ		Exclude		-					No	-	
K. Anderson; W. L. Ken		Effect of age on heat-activated sweat gland density and flow during exercise in dry heat		Exclude	-	-	-	-	-	_	No	-	-
E. Armstrong; D. L. Cos		Changes in body water and electrolytes during heat acclimation: effects of dietary sodium	Aviat Space Environ Med		-		-	-		-	No	-	
E. Armstrong; R. W. Hul		Heat acclimatization during summer running in the northeastern United States		Exclude	-	No	-	-		-	No	-	-
E. Armstrong; R. W. Hul		Evaluation of a temperate environment test to predict heat tolerance	Eur J Appl Physiol Occup		-	No	-	-	-	-	-	-	-
H. Bittel	1987	Heat debt as an index for cold adaptation in men		Exclude	Yes	140	-	-	-	-	-	-	-
A. Convertino	1987	Fluid shifts and hydration state: effects of long-term exercise				-	-	-	-	-	-	-	-
R. Gonzalez	1987		Can J Sport Sci Exerc Sport Sci Rev	Exclude Exclude	Yes Yes	-	-	-	-	-	-	-	-
Grucza	1987		Acta Physiol Pol		-	No.	-	-	-	-	No	-	-
E. Hart; J. R. Sutton	1987	Water loss distribution in exercising men under hot conditions Environmental considerations for exercise		Exclude Exclude	-	No	-	-	-	-	No		-
					-	No	-	-	-	-	NO	-	-
Hjertén; K. Elenbring; F.		Carrier-free zone electrophoresis, displacement electrophoresis and isoelectric focusing in a high-		Exclude	Yes	-	-	-	-	-	-	-	-
W. Hubbard; C. B. Matti		Novel approaches to the pathophysiology of heatstroke: the energy depletion model	Ann Emerg Med	Exclude	-	No	-	-	-	-	-	-	-
L. Irion	1987	Responses of distance runners and sprinters to exercise in a hot environment		Exclude	-	-	-	-	-	-	No	-	-
P. Kirwan; D. L. Costill;				Exclude	-	-	-	-	-	-	No	-	-
Koban; H. Hornak; E. Sc				Exclude	Yes	-	No	-	-	-	-	-	-
J. Kraemer; L. E. Armst		Plasma opioid peptide responses during heat acclimation in humans	Peptides	Exclude	-	-	-	-	-	-	No	-	-
D. Ramsey; C. H. Lee	1987		J Sports Med Phys Fitness		-	-	-	-	-	-	No	-	-
Sirviö; J. Jolkkonen; A. I		Adenohypophyseal hormone levels during hyperthermia		Exclude	Yes	-	-	-	-	-	-	-	-
T. Viitasalo; H. Kyröläin		Effects of rapid weight reduction on force production and vertical jumping height	-	Exclude	Yes	-	-	-	-	-	-	-	-
	1988	, ,	Lancet	Exclude	Yes	-	-	-	-	-	-	-	-
. J. Carpenter; S. A. Nunr		Endogenous hormones subtly alter women's response to heat stress		Exclude	-	-	-	-	-	-	No	-	-
J. Coté; W. E. Prentice, .		Comparison of three treatment procedures for minimizing ankle sprain swelling	Phys Ther	Exclude	Yes	-	-	-	-	-	-	-	-
T. Duncan; S. M. Horva		Physiological adaptations to thermal stress in tropical Asians	Eur J Appl Physiol Occup		-	No	-	-	-	-	No	-	-
M. Gopinathan; G. Picha		Role of dehydration in heat stress-induced variations in mental performance		Exclude	-	-	-	-	-	-	No	-	-
L. Kaufman; D. E. Mills		Effects of bromocriptine on sweat gland function during heat acclimatization	Horm Res	Exclude	-	-	-	-	-	-	No	-	-
L. Kenney; R. K. Ander			Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
. L. Kenney; S. R. Fowle		Methylcholine-activated eccrine sweat gland density and output as a function of age	** *	Exclude	Yes	-	-	-	-	-	-	-	-
J. Kraemer; L. E. Armst		Responses of plasma human atrial natriuretic factor to high intensity submaximal exercise in the h	Eur J Appl Physiol Occup	Exclude	Yes	-	-	-	-	-	-	-	-
Lenz; M. Weiss; E. Werl		Influence of exercise in water on hormonal, metabolic and adrenergic receptor changes in man	Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
P. Libert; C. Amoros; J. I		Thermoregulatory adjustments during continuous heat exposure	Eur J Appl Physiol Occup	Exclude	-	No	-	-	-	-	No	-	-
Ogawa; N. Ohnishi; Y. Y	/am 1988	Effect of facial cooling during heat acclimation process on adaptive changes in sweating activity	Jpn J Physiol	Exclude	-	-	-	-	-	-	No	-	-
B. Pandolf; B. S. Cadare	ette 1988	Thermoregulatory responses of middle-aged and young men during dry-heat acclimation	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
E. Pattison; J. L. Logan	: S. 1988	Exertional heat stroke and acute renal failure in a young woman	Am J Kidney Dis	Exclude	-	No	-	-	-	_	No	-	-

										*Performance/capacity	= time trial, time to exhaustion, race pe	erformance, VO2max, economy/efficiency,	r lactate threshold.
				Danisian	Paggan(s) for	inalusian/avalus	ian:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
Author	Year	Title	Journal	Include or exclude?	Irrelevant / of topic?	inclusion/exclus ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
Pichan; K. Sridharan	n: R. K. 1988	Physiological and metabolic responses to work in heat with graded hypohydration in tropical subj	Eur J Appl Physiol Occup	Exclude	-	_	-	_	-	-	No	-	-
M. Pivarnik; J. E. Wil			J Sports Med Phys Fitness		-	-	-	_	-	_	No	_	-
Rehunen	1988	The sauna and sports	Ann Clin Res	Exclude	-	No	-	-	-	-	No	-	-
N. Sawka; R. R. Gor	nzalez; 1988	Polycythemia and hydration: effects on thermoregulation and blood volume during exercise-heat	Am J Physiol	Exclude	-	-	-	-	-	-	No	-	-
C. Shearer	1988	Intestinal parasites in novice black miners. Prevalence and possible effect on heat acclimatization	S Afr Med J	Exclude	Yes	-	-	-	-	-	-	-	-
Urponen; I. Vuori; J.	. Hasan 1988	Self-evaluations of factors promoting and disturbing sleep: an epidemiological survey in Finland		Exclude	Yes	-	-	-	-	-	-	-	-
J. Winterfeld; H. Sie	ewert; I 1988	[Use of walking and sauna therapy in the rehabilitation of hypertensive patients with ischemic hea	Z Kardiol	Exclude	Yes	-	No	-	-	-	-	-	-
E. Armstrong; R. P. F	Frances 1989	Plasma cortisol, renin, and aldosterone during an intense heat acclimation program	Int J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
E. Bunnell; S. M. Ho	orvath 1989	Interactive effects of heat, physical work, and CO exposure on metabolism and cognitive task per	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
Dawson; F. S. Pyke;		Improvements in heat tolerance induced by interval running training in the heat and in sweat cloth	J Sports Sci	Exclude	-	-	-	-	-	-	No	-	-
C. Gavhed; I. Holmé		Thermoregulatory responses of firemen to exercise in the heat	Eur J Appl Physiol Occup		-	-	-	-	-	-	No	-	-
H. Kilburn; R. H. Wa		Neurobehavioral dysfunction in firemen exposed to polycholorinated biphenyls (PCBs): possible		Exclude	Yes	-	-	-	-	-	-	-	-
P. Knochel	1989	Heat stroke and related heat stress disorders	Dis Mon	Exclude	Yes	-	-	-	-	-	-	-	-
. A. Kolka; L. A. Step		Control of sweating during the human menstrual cycle	Eur J Appl Physiol Occup		Yes	-	-	-	-	-	-	-	-
A. Kuz'menko	1989	[The effect of a sauna on the reactivity of the circulatory indices in an isometric load test]	Vopr Kurortol Fizioter Le		-	-	No	-	-	-	No	-	-
D. Neufer; A. J. Youn	0.	Gastric emptying during exercise: effects of heat stress and hypohydration	Eur J Appl Physiol Occup		-	-	-	-	-	-	No	-	-
A. Nunneley	1989	Heat stress in protective clothing. Interactions among physical and physiological factors	Scand J Work Environ He		Yes	-	-	-	-	-	-	-	-
L. O'Toole	1989	Gender differences in the cardiovascular response to exercise	Cardiovasc Clin	Exclude	Yes	-	-	-	-	-	-	-	-
C. Pramanik; C. R. M N. Sawka; R. R. Goi		Identification of phenylthiocarbamyl amino acids for compositional analysis by thermospray liqui	Anai Biocnem Am J Physiol	Exclude Exclude	Yes	-	-	-	-	-	- No	-	-
		Control of thermoregulatory sweating during exercise in the heat	. ,		-	No	-	-	-	-	- 1.0	-	-
N. Sawka; A. J. You Zahorska-Markiewic		Human intravascular immunoglobulin responses to exercise-heat and hypohydration Circadian variations in psychophysiological responses to heat exposure and exercise	Aviat Space Environ Med Eur J Appl Physiol Occup		Yes	-	-	-	-	-	No	-	-
E. Armstrong; J. P. D		Time course of recovery and heat acclimation ability of prior exertional heatstroke patients	11 / 1	Exclude	1 es	-	-	-	-	-	No	-	-
E. Armstrong, R. W.		Evaluation of a temperate-environment test of heat tolerance in prior heatstroke patients and contri	-		-	-	-	-	-	-	No	-	-
V. Astrup; N. J. Chris		Effects of nutrient intake on sympathoadrenal activity and thermogenic mechanisms	J Neurosci Methods	Exclude	Yes						-		
Delamarche; J. Bittel:		Thermoregulation at rest and during exercise in prepubertal boys	Eur J Appl Physiol Occup		-					No	No		
Epstein: R. Arnon: D		Effect of pyridostigmine on the exercise-heat response of man	Eur J Appl Physiol Occup		-	-	-	_	-	-	No	-	-
Garby	1990	Metabolic adaptation to decreases in energy intake due to changes in the energy cost of low energ		Exclude	Yes	-	-	_	-	-	-	_	-
M. Gershon; D. Vlah	hov; K. 1990	HIV infection risk to nonhealth-care workers	Am Ind Hyg Assoc J	Exclude	Yes	-	-	-	-	-	-	-	-
J. Green; L. L. Jones	s; D. C. 1990	Effects of short-term training on cardiac function during prolonged exercise	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Grucza	1990	Efficiency of thermoregulatory system in man under endogenous and exogenous heat loads	Acta Physiol Pol	Exclude	-	-	-	-	-	-	No	-	-
Havenith; H. van Mi	iddend(1990	The relative influence of physical fitness, acclimatization state, anthropometric measures and gene	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
A. Houmard; D. L. Co	ostill; J 1990	The influence of exercise intensity on heat acclimation in trained subjects	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
S. Kapp; I. A. Peterse	sen; R. 1990	Two or six hyperthermia treatments as an adjunct to radiation therapy yield similar tumor respons	Int J Radiat Oncol Biol Ph	Exclude	Yes	-	-	-	-	-	-	-	-
Kobrick; R. F. John	nson; I 1990	Effects of atropine/2-PAM chloride, heat, and chemical protective clothing on visual performance	Aviat Space Environ Med	Exclude	Yes	-	-	-	-	-	-	-	-
Kobrick; R. F. John	nson; I 1990	Effects of nerve agent antidote and heat exposure on soldier performance in the BDU and MOPP-	Mil Med	Exclude	Yes	-	-	-	-	-	-	-	-
G. McMurray; V. L.	Katz 1990	Thermoregulation in pregnancy. Implications for exercise	Sports Med	Exclude	-	No	-	-	-	-	-	-	-
J. Rehrer; E. J. Becke	ers; F. 1990	Effects of dehydration on gastric emptying and gastrointestinal distress while running	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
P. Rodgers; A. N. Sch	chechtei 1990	Microcirculatory adaptations in sickle cell anemia: reactive hyperemia response	Am J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
L. Squire	1990	Heat illness. Fluid and electrolyte issues for pediatric and adolescent athletes	Pediatr Clin North Am	Exclude	-	No	-	-	-	No	No	-	-
Waluga	1990	[Effect of physical exercise and heat on energy expenditure in obesity]	Pol Arch Med Wewn	Exclude	Yes	-	No	-	-	-	-	-	-
E. Armstrong; C. M.		The induction and decay of heat acclimatisation in trained athletes	Sports Med	Exclude	-	No	-	-	-	-	No	-	-
. Bloem; L. M. Goes	,	Effects of order of presentation of exercise intensities and of sauna baths on perceived exertion du			-	-	-	-	-	-	No	-	-
J. Braden	1991	Patterns of change over time in learned response to chronic illness among participants in a system		Exclude	Yes	-	-	-	-	-	-	-	-
Burlina; M. Plebani;		Precipitation method for separating and quantifying bone and liver alkaline phosphatase isoenzym		Exclude	Yes	-	-	-	-	-	-	-	-
Cisse; F. Martineaud;		[Central temperature during chronic exposure to a warm climate]	Arch Int Physiol Biochim		-	-	No	-	-	-	No	-	-
A. Convertino	1991	Blood volume: its adaptation to endurance training		Exclude	Yes	-	-	-	-	-	-	-	-
Doré; G. R. Brisson;		Contribution of hGH20K variant to blood hGH response in sauna and exercise	Eur J Appl Physiol Occup		-	-	-	-	-	-	No	-	-
. Gumener; L. M. Su	1991 1991	[Effect of radiating heat and physical exercise on adolescents]	Gig Sanit	Exclude	Yes	-	-	-	-	-	-	-	-
Hayes R. Jansen: R. Binard	****	Diving and hypothermia	Arctic Med Res	Exclude	Yes	-	-	-	-	NI o	-	-	-
K. Jansen; K. Binard Just	1 1991	Effect of dietary protein and environmental factors on lactation performance in rats	Physiol Behav Am J Med	Exclude	Yes	-	-	-	-	No	-	-	-
Just P. Kovalenko; V. V. S		Peripheral adaptations in congestive heart failure: a review [The physiological hygiene aspects of enhancing human heat resistance (a review of the literature)	Voen Med Zh	Exclude	Yes	-	No	-	-	-	No.	-	-
P. Kovalenko; V. V. S A. Kuzmenko; V. Bal		t 1 7 7 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Clin Ter	Exclude Exclude	-	-	No No	-	-	-	No No	-	-
Levine; M. S. Rose; l		Fluid replacement during sustained activity in the heat: nutrient solution vs. water	Aviat Space Environ Med				No				No	-	-
D. Neufer; M. N. Saw				Exclude	Yes	-	-	-	-		*10		

* *	1 110 ra - C	haracteristics of excluded studies - Studies excluded by TS	Number included =	14	of	2399				*Performance/canonity	= time trial_time to exhaustion_room	erformance, VO2max, economy/efficiency, o	r lactate threshold
										**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
				Decision	Reason(s) for	inclusion/exclus	ion:						
Author	Year	Title	Journal	Include or exclude?	Irrelevant / off topic?	- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
B. Pandolf	1991	Aging and heat tolerance at rest or during work	Exp Aging Res	Exclude	-	-	-	-	-	-	No	-	-
. S. Pavlov	1991	[The effect of an improvement in the conceptual model of activity on the rate of searching for and		Exclude	-	-	No	-	-	-	-	-	-
Smolander; R. Ilmarin		An evaluation of heat stress indices (ISO 7243, ISO/DIS 7933) in the prediction of heat strain in u			-	-	-	-	-	-	No	-	-
. S. Uberoi; J. S. Duga		Acute renal failure in severe exertional rhabdomyolysis		Exclude	Yes	-	-	-	-	-	-	-	-
. N. Azhaev; A. S. Kuz		[The performance quality of a flight trainer operator under conditions of heat discomfort]	Voen Med Zh	Exclude	Yes	-	No	-	-	-	-	-	-
A. DuBose; J. W. Agr		Seasonal effects on human physiological adaptation factors, thermotolerance and plasma fibronec			-	-	-	-	-	-	No	-	-
. Fellmann	1992	Hormonal and plasma volume alterations following endurance exercise. A brief review	Sports Med	Exclude	Yes	No	-	-	-	-	-	-	-
. J. Gerner; P. Engel; C		The effects of sauna on tetraplegic and paraplegic subjects	Paraplegia	Exclude	Yes	-	-	-	-	-	-	-	-
M. Johnson	1992	Exercise and the cutaneous circulation Control of skin blood flow during exercise		Exclude Exclude	Yes	-	-	-	-	-	-	-	-
		3			- 40	-	-	-	-	-	-	-	-
Landry; H. Lambert; ! 1. A. MacKenzie; W. R		Human HSP27 is phosphorylated at serines 78 and 82 by heat shock and mitogen-activated kinase Electrocardiographic changes during steady mild hypothermia and normothermia in patients with		Exclude Exclude	Yes	-	-	-	-	-	-	-	-
. D. Mittleman: T. J. D		Influence of self-induced hypnosis on thermal responses during immersion in 25 degrees C water			Yes	T.	-		1	-			
Murrav	1992			Exclude	Yes	-	1	-	-	-		-	-
L. B. Pandolf; R. W. Ga		Human thermoregulatory responses during heat exposure after artificially induced sunburn	Am J Physiol	Exclude	Yes								
. Savourey; L. Clerc; A	-	Blood flow and muscle bio-energetics by 31P-nuclear magnetic resonance after local cold acclima			Yes	-	_	_	-	-	-	-	-
I. N. Sawka; A. J. Your		Human tolerance to heat strain during exercise: influence of hydration		Exclude	-			-	-	-	No	-	-
Smolander; V. Louhev	-		Eur J Appl Physiol Occup		-	-	-	-	-	-	No	_	-
. P. Zunnunov	1992	[Physical work capacity as a criterion of human resistance under the hot climatic conditions of an			-	-	No	-	-	-	No	-	-
E. Armstrong; W. C. 0	Curtis; 1993	Symptomatic hyponatremia during prolonged exercise in heat		Exclude	Yes	-	-	-	-	-	-	-	-
E. Armstrong; R. W. I		Responses to moderate and low sodium diets during exercise-heat acclimation		Exclude	-	-	-		-	-	No	-	-
. Barnett; R. J. Maugh		Response of unacclimatized males to repeated weekly bouts of exercise in the heat	Br J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
M. Beeley; D. J. Smith	th; E. F 1993	Environmental hazards and health	Br Med Bull	Exclude	Yes	-	-	-	-	-	-	-	-
. Bouchama; A. el-Yaz	zigi; A. 1993	Alteration of taurine homeostasis in acute heatstroke	Crit Care Med	Exclude	Yes	-	-	-	-	-	-	-	-
. L. Brengelmann	1993	Specialized brain cooling in humans?	Faseb j	Exclude	Yes	-	-	-	-	-	-	-	-
V. W. Briner, Jr.	1993	Physical allergies and exercise. Clinical implications for those engaged in sports activities	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
. M. Budd; J. R. Broth	herhoo(1993	Effects of acclimatization to cold baths on men's responses to whole-body cooling in air	Eur J Appl Physiol Occup	Exclude	Yes	-	-	-	-	-	-	-	-
. Juul; A. Behrenschee	er; T. T 1993	Impaired thermoregulation in adults with growth hormone deficiency during heat exposure and ex	Clin Endocrinol (Oxf)	Exclude	-	-	-	-	-	No	No	-	-
. Nielsen; J. R. Hales;	S. Stra 1993	Human circulatory and thermoregulatory adaptations with heat acclimation and exercise in a hot,	J Physiol	Exclude	-	-	-	-	-	-	No	-	-
L. L. Schmidt	1993	[Z Gerontol	Exclude	Yes	-	No	-	-	-	-	-	-
. J. Shephard	1993	Metabolic adaptations to exercise in the cold. An update	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
1. Torii; H. Nakayama		Disappearance of seasonal variation of sweating responses in exercising man: effect of pre-heating		Exclude	-	-	-	-	-	-	No	-	-
. B. Yaspelkis, 3rd; G.			Int J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
. J. Young; M. N. Sawl				Exclude	-	-	-	-	-	-	No	-	-
. H. Zappe; C. G. Tank				Exclude	Yes	-	-	-	-	-	-	-	-
'. Aoyagi; T. M. McLell		Effects of training and acclimation on heat tolerance in exercising men wearing protective clothing			-	-	-	-	-	-	No	-	-
. E. Cooper	1994	Some responses of the cardiovascular system to heat and fever	Can J Cardiol	Exclude	Yes	-	-	-	-	-	-	-	-
. Dawson	1994	Exercise training in sweat clothing in cool conditions to improve heat tolerance	Sports Med	Exclude	-	-	-	-	-	-	No	-	-
J. Doubt; P. A. Deuste	ter 1994 1994	Fluid ingestion during exercise in 25 degrees C water at the surface and 5.5 ATA		Exclude	Yes	-	-	-	-	-	-	-	-
Falk; O. Bar-Or		[Responses to exercise in heat and cold among children and adolescents]	Harefuah	Exclude	-	-	No	-	-	No	- N.	-	-
f. A. Febbraio; R. J. Sn Fu; P. E. Nelson	1994 1994	Muscle metabolism during exercise and heat stress in trained men: effect of acclimation Conditions and constraints of food processing in space	J Appl Physiol (1985) Food Technol	Exclude Exclude	Yes	-	-	-	-	-	No	-	-
. Fu; P. E. Neison . J. Gordon	1994	Conditions and constraints of rood processing in space Thermoregulation in laboratory mammals and humans exposed to anticholinesterase agents	Neurotoxicol Teratol	Exclude	Yes								
. J. Gordon N. Janal: M. Glusma		Are runners stoical? An examination of pain sensitivity in habitual runners and normally active co		Exclude	Yes	-		-	-		-	-	-
S. Lee	an, J. P 1994 1994	Microvascular volume changes induced by exercise, heat exposure, or endotoxin injection	Am J Physiol	Exclude	1 03	-E	Ť.	-	-	-	- No		
L. Llovd	1994	ABC of sports medicine. Temperature and performanceII: Heat		Exclude	-	No		-	-	-	No	-	-
M. Lyle; P. R. Lewis;		Heat exhaustion in The Sun-Herald City to Surf fun run	Med J Aust	Exclude	Yes	-		-	-	-	-	-	-
M. Mancini; L. Bolin		·		Exclude	Yes	-	-	-	-	-	-	-	-
M. McLellan; J. Frim	-	Heat strain in the Canadian Forces chemical defence clothing: problems and solutions	Can J Appl Physiol	Exclude	Yes	-		-	-	-	-	-	-
J. Montain; M. N. Sav	wka; E 1994	Physiological tolerance to uncompensable heat stress: effects of exercise intensity, protective cloth		Exclude	-	-	-	-	-	-	No	-	-
. Montmayeur; A. Bug		Exercise and sleep in four African sportsmen living in the Sahel. A pilot study	Int J Sports Med	Exclude	Yes	-		-	-	-	-	-	-
. Nielsen	1994	Heat stress and acclimation	Ergonomics	Exclude	-	No	-	-	-	-	-	-	-
. B. Pandolf	1994	Heat tolerance and aging	Exp Aging Res	Exclude	-	No	-	-	-	-	-	-	-
F. Rosenbaum; J. E. V	Vena; N 1994	Occupational exposures associated with male breast cancer	Am J Epidemiol	Exclude	Yes	-	-	-	-	-	-	-	-
. F. Sanborn; C. M. Jar	nkowsl 1994		Clin Sports Med	Exclude	Yes	-		-	-	-	-	-	-
I. J. Schwaber; H. P. Li	iss: I : 1994	Hazard of sauna use after strenuous exercise	Ann Intern Med	Exclude	-	No	-	_	-	-		-	_

* *	- Characteristics of excluded studies - Studies ex-	- 3							*Performance/canacity	= time trial, time to exhaustion. race p	erformance, VO2max, economy/efficiency,	or lactate threshold.
									**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
			Decision		or inclusion/exclus							
uthor Ye	ar Title	Journal	Include or exclude?	Irrelevant / topic?	off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capac or physiology during exercise**?
V. Shakula; V. I. Varus 19			Exclude	Yes	-	No	-	-	-	-	-	-
Shaver 19	· · · · · · · · · · · · · · · · · · ·	Exp Gerontol	Exclude	Yes	-	-	-	-	-	-	-	-
Siewert; H. Siewert; H. J. V 19			Exclude	-	-	No	-	-	No	No	-	-
Aoyagi; T. M. McLellan; R. 19				-	-	-	-	-	-	No	-	-
Aoyagi; T. M. McLellan; R. 19			-	-	-	-	-	-	-	No	-	-
Bar-Or 19		J Sports Sci	Exclude	Yes	-	-	-	-	No	-	-	-
L. Bennett; R. D. Hagan; K 19	-			-	-	-	-	-	-	No	-	-
F. Bergeron; L. E. Armstro 19		Clin Sports Med	Exclude	-	-	-	-	-	-	No	-	-
A. Ciardiello; L. Camardel 19				Yes	-	-	-	-	-	-	-	-
Falk; M. Einbinder; Y. Weii 19 H. Gerber; J. E. Hicks 19			Exclude	-	-	-	-	-	-	No	-	-
Jetté; J. Quenneville; J. Th 19		-	Exclude	Yes	-	-	-	-	-	- No	-	-
Kristal-Boneh: J. G. Glusm: 19				-				-	-	No No	-	-
J. Maughan; M. I. Lindinge 19		Equine Vet J Supp			- No		1	-	-	No		
B. Mercer 19			Exclude	Yes	- INO		1	-	-	-		
G. Meyer; D. J. Horrigan, J 19				-					-	No	-	
J. Montain; W. A. Latzka; N 19	, , , , ,			-	-:				-	No	-	-
B. Pandolf; L. A. Stroscheii 19										No	-	-
J. Paolone; A. M. Paolone 19		Can J Physiol Pha		Yes	-	-	-	-	_	-	_	-
L. Peterson; G. W. Talcott; 19			Exclude	Yes	_	-	_	-	-	_	_	-
H. Saris 19				Yes		-	-	-	-	-	-	
Sasaki; A. Yamaguchi; Y. N. 19			Exclude	-	-	-	-	-	No	No	-	-
Terrados; R. J. Maughan 19	Exercise in the heat: strategies to minimize the adverse effects on per	formance J Sports Sci	Exclude	-	No	-	-	-	-	No	-	-
. Torii 19	Maximal sweating rate in humans	J Hum Ergol (Toky	(o) Exclude	Yes	-	-	-	-	-	-	-	-
J. Young; M. N. Sawka; L. 19	Metabolic and thermal adaptations from endurance training in hot or			-	-	-	-	-	-	No	-	-
Aoyagi; T. M. McLellan; R. 19	Determination of body heat storage: how to select the weighting of re	ectal and skin temperatures fo Int Arch Occup En	viron H Exclude	-	-	-	-	-	-	No	-	-
Bates; C. Gazey; K. Cena 19	Factors affecting heat illness when working in conditions of thermal	stress J Hum Ergol (Tok	(o) Exclude	-	-	-	-	-	-	No	-	-
K. Brenner; Y. D. Severs; P. 19	Impact of heat exposure and moderate, intermittent exercise on cytoly	ytic cells Eur J Appl Physio	Occup Exclude	-	-	-	-	-	-	No	-	-
. C. Bricknell 19	Heat illness in the army in Cyprus	Occup Med (Lond) Exclude	Yes	-	-	-	-	-	-	-	-
T. Chatterton, Jr.; K. M. Vo. 19			Exclude	Yes	-	-	-	-	-	-	-	-
F. Clapp, 3rd 19			Exclude	Yes	-	-	-	-	-	-	-	-
. Cortili; P. Mognoni; F. Saib 19			Exclude	-	-	-	-	-	-	No	-	-
K. el-Bakry; A. B. Channa; 19	0 10 0		Exclude	-	-	-	-	-	-	No	-	-
L. Gibby; S. Lampotang; N 19	-	J Clin Monit	Exclude	Yes	-	-	-	-	-	-	-	-
J. Gordon 19	, , , , , , , , , , , , , , , , , , ,	-		Yes	-	-	-	-	-	-	-	-
A. Kark; P. Q. Burr; C. B. W 19		Aviat Space Enviro		-	-	-	-	-	-	No	-	-
Keatisuwan; T. Ohnaka; Y. 19	3.1.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		Exclude	-	-	-	-	-	-	No	-	-
R. Kelly; I. Nishimura; S. D 19 P. Kenny; G. G. Giesbrecht 19		J Prosthet Dent	Exclude	Yes	- V	- V	- V	- -	- V	- No	Yes	-
Kubica; A. Tyka; A. Zucho 19		J Physiol Pharmac		-	Yes	Yes	Yes	Yes	Yes	No	r es	-
M. McLellan; Y. Aoyagi 19									-	No	-	-
K. Nag; P. Bandyopadhyay; 19		J Hum Ergol (Tok							-	No	-	_
Nielsen 19		Med Sci Sports Ex		Yes						-		
Puntschart; M. Vogt; H. R. 19		Acta Physiol Scan		Yes								
Razmjou 19				Yes			_		_	_	_	
Rico-Sanz; W. R. Frontera; 119			Exclude	Yes	-	-	-	-	-	-	-	-
Saarni; J. Pentti 19		Bull Inst Marit Tro		Yes	-	-	-	-	-	-	-	-
A. Tarnopolsky; N. Cipriar 19			Exclude	Yes	-	-	-	-	-	-	-	-
Torii; M. Yamasaki; T. Sas; 19			Exclude	Yes	-	-	-	-	-	-	-	-
H. Zappe; G. W. Bell; H. S 19			Exclude	-	-	-	-	-	-	No	-	-
O. Acevedo; M. C. Meyers; 19			Fitness Exclude	Yes	-	-	-	-	-	-	-	-
Aoyagi; T. M. McLellan; R. 19	Interactions of physical training and heat acclimation. The thermophy	siology of exercising in a ho Sports Med	Exclude	-	No	-	-	-	-	No	-	-
K. Brenner; S. Thomas; R. J 19	Spectral analysis of heart rate variability during heat exposure and rep	peated exercise Eur J Appl Physiol	Occup Exclude	Yes	-	-	-	-	-	-	-	-
K. Brenner; J. Zamecnik; P. 19	The impact of heat exposure and repeated exercise on circulating street	ss hormones Eur J Appl Physio	Occup Exclude	-	-	-	-	-	-	No	-	-

										-Performance/capacity	- time trial, time to exhaustion, race p	erformance, VO2max, economy/efficiency,	r lactate threshold.
				Danisian	D(-) 6-		:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exerci-	e.
	Vanu	Tide	Tournal	Decision		r inclusion/exclus		Danu marriamed	Eull tout	Haalthu mala an	>20 mins of at least	A control anoun	Outromer mercening
Author	Year	Title	Journal	Include or exclude?	topic?	off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
R. Gonzalez; T. M. M.		Heat strain models applicable for protective clothing systems: comparison of core temperature res	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
J. Gore; A. G. Hahn;	; C. M. 1997	VO2max and haemoglobin mass of trained athletes during high intensity training	Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
E. Greenleaf	1997	Exercise thermoregulation with bed rest, confinement, and immersion deconditioning	Ann N Y Acad Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Jirák; M. V. Jokl; H.	Jirákov 1997	The assessment proposal for long-term and short-term tolerable hygrothermal microclimatic cond	Physiol Res	Exclude	Yes	-	-	-	-	-	-	-	-
L. Kenney	1997	Thermoregulation at rest and during exercise in healthy older adults	Exerc Sport Sci Rev	Exclude	-	-	-	-	-	-	No	-	-
A. Latzka; M. N. Sav	awka; S 1997	Hyperhydration: thermoregulatory effects during compensable exercise-heat stress	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
M. Lawler; C. C. Clin	ine; Z. I 1997	Effect of oxidative stress and acidosis on diaphragm contractile function	Am J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
P. Libert; V. Bach; G.	. Farges 1997	Neutral temperature range in incubators: performance of equipment in current use and new development	Crit Rev Biomed Eng	Exclude	Yes	-	-	-	-	-	-	-	-
J. Luetkemeier; M. C	G. Cole 1997	Dietary sodium and plasma volume levels with exercise	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
J. Maughan; S. M. Sl	Shirreffs 1997	Recovery from prolonged exercise: restoration of water and electrolyte balance	J Sports Sci	Exclude	Yes	-	-	-	-	-	-	-	-
T. Minson; W. L. Ker	enney 1997	Age and cardiac output during cycle exercise in thermoneutral and warm environments	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
J. Montain; J. E. Lair	ird; W. / 1997	Aldosterone and vasopressin responses in the heat: hydration level and exercise intensity effects	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
S. Mudambo; W. Cor	outie; M 1997	Plasma arginine vasopressin, atrial natriuretic peptide and brain natriuretic peptide responses to lo	Eur J Appl Physiol Occur	Exclude	-	-	-	-	-	-	No	-	-
Nielsen; S. Strange; 1	N. J. C 1997	Acute and adaptive responses in humans to exercise in a warm, humid environment	Pflugers Arch	Exclude	-	-	-	-	-	-	No	-	-
D. Noakes	1997	1996 J.B. Wolffe Memorial Lecture. Challenging beliefs: ex Africa semper aliquid novi	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
J. Paddon-Jones; B. l	M. Oui 1997	Effect of cryotherapy on muscle soreness and strength following eccentric exercise	Int J Sports Med	Exclude	Yes	-	-	_	-	_		_	-
H. Rammsaver	1997	Effects of body core temperature and brain dopamine activity on timing processes in humans	Biol Psychol	Exclude	Yes	-	-	_	-	-		-	-
Rissanen; H. Rintama	näki 1997	Thermal responses and physiological strain in men wearing impermeable and semipermeable protection		Exclude	Yes							_	
Schiffmann; J. Rathg		Airway humidification in mechanically ventilated neonates and infants: a comparative study of a	-	Exclude	Yes		-	_			_	_	
R. Shaw	1997	The perimenopausal hot flash: epidemiology, physiology, and treatment	Nurse Pract	Exclude	Yes								1
S. Westerterp-Plante		Acute effects of exercise or sauna on appetite in obese and nonobese men	Physiol Behav	Exclude	105		-	-			No	-	-
Aoyagi; T. M. McLel		Effects of endurance training and heat acclimation on psychological strain in exercising men wear		Exclude	-		-	-			No	-	-
E. Armstrong; C. M.		Effects of training, environment, and host factors on the sweating response to exercise	Int J Sports Med	Exclude	-	-	-	-		-	No	-	-
D Brandt	1998		Am J Med		- -	-	-	-	-	-	INO	-	-
C. Brenner: S. Thoma	.,,,	The importance of nonpharmacologic approaches in management of osteoarthritis		Exclude	Yes	-	-	-	-	-	-	-	-
,	,	Autonomic regulation of the circulation during exercise and heat exposure. Inferences from heart		Exclude	Yes	-	-	-	-	-	-	-	-
Buguet; R. Cespuglio			Can J Physiol Pharmacol	Exclude	Yes	-	-	-	-	-	-	-	-
J. Buono; J. H. Hear		Acclimation to humid heat lowers resting core temperature	Am J Physiol	Exclude	-	-	-	-	-	-	No	-	-
W. Castellani; C. M. I		Endocrine responses during exercise-heat stress: effects of prior isotonic and hypotonic intraveno			-	-	-	-	-	-	No	-	-
S. Cheung; T. M. Mc		Heat acclimation, aerobic fitness, and hydration effects on tolerance during uncompensable heat s		Exclude	-	-	-	-	-	-	No	-	-
Degens	1998	Age-related changes in the microcirculation of skeletal muscle	Adv Exp Med Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Derave; D. De Clerc	-	The influence of exercise and dehydration on postural stability	Ergonomics	Exclude	Yes	-	-	-	-	-	-	-	-
R. Eichner	1998	Treatment of suspected heat illness	Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Falk	1998	Effects of thermal stress during rest and exercise in the paediatric population	Sports Med	Exclude	-	-	-	-	-	No	No	-	-
Falk; S. Radom-Isaac			Int J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
S. Greiwe; K. S. Staff		Effects of dehydration on isometric muscular strength and endurance	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Hargreaves; M. Febl		Limits to exercise performance in the heat	Int J Sports Med	Exclude	-	No	-	-	-	-	No	-	-
Imamura; S. Rissane		Manual performance in cold conditions while wearing NBC clothing	Ergonomics	Exclude	Yes	-	-	-	-	-	-	-	-
M. Johnson	1998	Physical training and the control of skin blood flow	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Kargotich; C. Goodn			Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
W. Kenefick; C. M. N	Maresh 1998	Plasma testosterone and cortisol responses to training-intensity exercise in mild and hot environment	Int J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
L. Kenney	1998	Heat flux and storage in hot environments	Int J Sports Med	Exclude	-	No	-	-	-	-	No	-	-
Kilgore; T. I. Musc	sch; C. I 1998	Physical activity, muscle, and the HSP70 response	Can J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Latzka; M. N. Sa	awka; S 1998	Hyperhydration: tolerance and cardiovascular effects during uncompensable exercise-heat stress	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
Marino; J. Booth	1998	Whole body cooling by immersion in water at moderate temperatures	J Sci Med Sport	Exclude	Yes	-	-	-	-	-	-	-	-
J. Marlin	1998	Acclimation and acclimatisation of the equine athlete	Int J Sports Med	Exclude	-	No	-	-	-	No	-	-	-
J. Maughan; S. M. Sl	Shirreffs 1998	Dehydration, rehydration and exercise in the heat: concluding remarks	Int J Sports Med	Exclude	-	No	-	-	-	-	No	-	-
. Montain; M. N. Sa	awka; V 1998	Thermal and cardiovascular strain from hypohydration: influence of exercise intensity	Int J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
S. Moran; A. Shitzer	r; K. B. 1998	A physiological strain index to evaluate heat stress	Am J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Müllerová; D. Matěj	jková; 1998	[Energy expenditure at rest and obesity]	Sb Lek	Exclude	Yes	-	-	-	-	-	-	-	-
Murray	1998	Rehydration strategiesbalancing substrate, fluid, and electrolyte provision	Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Nielsen	1998	Heat acclimationmechanisms of adaptation to exercise in the heat	Int J Sports Med	Exclude	-	No	-	-	-	-	No	-	-
B. Pandolf	1998	Time course of heat acclimation and its decay	Int J Sports Med	Exclude	-	No		-	-	-	No	-	-
Schwarz	1998	[Rhinomanometric studies of thermal modification of nasal ventilation]	Hno	Exclude	Yes	-	-	-	-	-	-	-	_
Shapiro; D. Moran; Y		Acclimatization strategiespreparing for exercise in the heat	Int J Sports Med	Exclude	-	No	-	-	_	_	No	-	_
J. Shephard; P. N. Sh		Cold exposure and immune function	Can J Physiol Pharmacol	Exclude	Yes	-	-	-	-		_	_	
Vanakoski; T. Seppälä		Heat exposure and drugs. A review of the effects of hyperthermia on pharmacokinetics	Clin Pharmacokinet	Exclude	103	No	-	-	-	-	No		

											time trial, time to exhaustion, race pe		
				Decision	Pascon(s) for it	nclusion/avelus	ion:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
author	Year	Title	Journal	Include or exclude?	Reason(s) for in Irrelevant / off- topic?		on: English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
Werner; U. Beckmann	1998	Conflicts of thermal adaptation and fevera cybernetic approach based on physiological experime		Exclude	Yes	-	-	-	-	-	-	-	-
R. Zunnunov	1998	[The reserve potentials of patients with ischemic heart disease who live under the conditions of an		Exclude	Yes	-	No	-	-	-	-	-	-
I. Barr	1999			Exclude	Yes	-	-	-	-	-	-	-	-
G. Bell; I. Jacobs; T. M. M.			Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
Burger-Kentischer; E. Mü				Exclude	Yes	-	-	-	-	-	-	-	-
S. Cadarette; S. J. Montain		Cross validation of USARIEM heat strain prediction models. U.S. ARMY Research Institute of E			Yes	-	-	-	-	-	-	-	-
S. Cheung; T. M. McLellar		Comparison of short-term aerobic training and high aerobic power on tolerance to uncompensable			-	-	-	-	-	-	No	-	-
Fehrenbach; A. M. Niess				Exclude	Yes	-	-	-	-	-	-	-	-
Giannetti; M. Juneau; A. A			Am J Med	Exclude	Yes	-	-	-	-	-	-	-	-
E. Holley; J. W. Butler; J. N			J Sports Med Phys Fitness		Yes	-	-	-	-	-	-	-	-
Inoue; G. Havenith; W. L.		Exercise- and methylcholine-induced sweating responses in older and younger men: effect of heat		Exclude	-	-	-	-	-	-	No	-	-
Jimenez; B. Melin; N. Kou			Eur J Appl Physiol Occup		-	-	-	-	-	-	No	-	-
J. Maughan	1999	Exercise in the heat: limitations to performance and the impact of fluid replacement strategies. Int		Exclude	-	No	-	-	-	-	No	-	-
M. McLellan; J. Frim; D. C		, , , , , , , , ,	Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
S. Moran; M. Horowitz; U				Exclude	-	-	-	-	-	-	No	-	-
P. Pitsiladis; R. J. Maughar		The effects of exercise and diet manipulation on the capacity to perform prolonged exercise in the		Exclude	-	-	-	-	-	-	No	-	-
J. Price; I. G. Campbell		Thermoregulatory responses of spinal cord injured and able-bodied athletes to prolonged upper bo		Exclude	-	-	-	-	-	-	No	-	-
M. Rivera-Brown; R. Guti		Drink composition, voluntary drinking, and fluid balance in exercising, trained, heat-acclimatized		Exclude	-	-	-	-	-	No	No	-	-
N. Sawka; E. F. Coyle	1999	Influence of body water and blood volume on thermoregulation and exercise performance in the h	Exerc Sport Sci Rev	Exclude	-	-	-	-	-	-	No	-	-
f. Shephard	1999		Can J Appl Physiol	Exclude	-	No	-	-	-	-	No	-	-
J. Shephard; P. N. Shek	1999			Exclude	Yes	-	-	-	-	-	-	-	-
Singh; R. G. Sirisinghe	1999	Haematological and plasma electrolyte changes after long distance running in high heat and humi-		Exclude	Yes	-	-	-	-	-	-	-	-
Takamata; T. Ito; K. Yaega		Effect of an exercise-heat acclimation program on body fluid regulatory responses to dehydration		Exclude	-	No	Yes	Yes	Yes	Yes	Yes	No	No
	2000	Climatic heat stress and the exercising child and adolescent. American Academy of Pediatrics. Co		Exclude	-	-	-	-	-	No	No	-	-
Amos; R. Hansen; W. M. I	L 2000	Physiological and cognitive performance of soldiers conducting routine patrol and reconnaissance	Mil Med	Exclude	Yes	-	-	-	-	-	-	-	-
R. Buskirk; P. F. Iampietro		Work performance after dehydration: effects of physical conditioning and heat acclimatization. 19		Exclude	-	-	-	-	-	-	No	-	-
S. Cheung; T. M. McLellar		The thermophysiology of uncompensable heat stress. Physiological manipulations and individual	•	Exclude	-	-	-	-	-	-	No	-	-
Fehrenbach; A. M. Niess;		Transcriptional and translational regulation of heat shock proteins in leukocytes of endurance runr	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
Fehrenbach; F. Passek; A.				Exclude	Yes	-	-	-	-	-	-	-	-
. Gleeson	2000	7	Exerc Immunol Rev	Exclude	Yes	-	-	-	-	-	-	-	-
P. Ivanov	2000		Ross Fiziol Zh Im I M Sec		-	-	No	-	-	-	No	-	-
P. Ivanov	2000	[International Conference on the Problems of the Human Physiology and Cognitive Performance		Exclude	-	-	No	-	-	-	No	-	-
Kay; F. E. Marino	2000	Fluid ingestion and exercise hyperthermia: implications for performance, thermoregulation, metal		Exclude	-	No	-	-	-	-	No	-	-
			Can J Appl Physiol	Exclude	-	No	-	-	-	-	No	-	-
I. Lindinger; L. J. McCuto		Heat acclimation improves regulation of plasma volume and plasma Na(+) content during exercis		Exclude	-	-	-	-	-	No	No	-	-
McArdle; M. J. Jackson			J Anat	Exclude	Yes	-	-	-	-	-	-	-	-
Merezhinskaya; W. N. Fish			Muscle Nerve	Exclude	Yes	-	-	-	-	-	-	-	-
Moehrle; W. Koehle; K. I				Exclude	Yes	-	-	-	-	-	-	-	-
J. Montain; W. A. Latzka;		Impact of muscle injury and accompanying inflammatory response on thermoregulation during ex		Exclude	Yes	-	-	-	-	-	-	-	-
R. Naghii	2000		Nutr Health	Exclude	Yes	-	-	-	-	-	-	-	-
D. Noakes	2000	Physiological models to understand exercise fatigue and the adaptations that predict or enhance at		Exclude	Yes	-	-	-	-	-	-	-	-
B. Pyne; M. Gleeson; W. A			Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Rintamäki	2000			Exclude	Yes	-	-	-	-	-	-	-	-
N. Sawka; V. A. Convertin		Blood volume: importance and adaptations to exercise training, environmental stresses, and traum		Exclude	Yes	-	-	-	-	-	-	-	-
N. Sawka; S. J. Montain		1 11	Am J Clin Nutr	Exclude	Yes	No	-	-	-	-	-	-	-
Sohar; Y. Shapiro; Y. Epste		[,,,,	Harefuah	Exclude	Yes	-	No	-	-	-	-	-	-
M. Stern; O. P. Hornstein;			J Dermatol	Exclude	-	-	-	-	-	-	No	-	-
A. van Nieuwenhoven; B.		, ,	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
J. Watt; A. P. Garnham; M		Effect of acute plasma volume expansion on thermoregulation and exercise performance in the he		Exclude	-	-	-	-	-	-	No	-	-
J. Yu; T. D. Yang; C. Pang			Space Med Med Eng (Beij		Yes	-	No	-	-	-	-	-	-
S. Abrams; D. M. Skee; J.		Pharmacokinetics of norelgestromin and ethinyl estradiol delivered by a contraceptive patch (Orth		Exclude	Yes	-	-	-	-	-	-	-	-
X. Bigard; H. Sanchez; G.				Exclude	Yes	-	-	-	-	-	-	-	-
K. Byrne; J. H. Wilmore		The effects of a 20-week exercise training program on resting metabolic rate in previously sedents	-		Yes	-	-	-	-	-	-	-	-
W. Castellani; A. J. Young;				Exclude	Yes	-	-	-	-	-	-	-	-
J. Chan; J. U. Corselli; W.	C 2001	A simple comet assay for archived sperm correlates DNA fragmentation to reduced hyperactivation	Fertil Steril	Exclude	Yes	-	-	-	-	-	-	-	-

										"Performance/capacity	= time trial, time to exhaustion, race po	rformance, VO2max, economy/efficiency,	r lactate threshold.
				Danisian	D(-) f	/ 1				**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
Author	Year	Title	Journal	Decision Include or exclude?	Irrelevant / of topic?	inclusion/exclus f- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
. A. Febbraio	2001	Alterations in energy metabolism during exercise and heat stress	Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Fehrenbach; A. M. Nies	ss; R 2001	Changes of HSP72-expression in leukocytes are associated with adaptation to exercise under cond	J Leukoc Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Fehrenbach; H. Northo	ff 2001	Free radicals, exercise, apoptosis, and heat shock proteins	Exerc Immunol Rev	Exclude	Yes	-	-	-	-	-	-	-	-
. Fiala; K. J. Lomas; M.		Computer prediction of human thermoregulatory and temperature responses to a wide range of en		Exclude	-	-	-	-	-	-	No	-	-
. A. Finn	2001	Reproductive ageing and the menopause	Int J Dev Biol	Exclude	Yes	-	-	-	-	-	-	-	-
. Frank; M. Belokopytov			J Basic Clin Physiol Phari	Exclude	-	-	-	-	-	-	No	-	-
. Frank; M. Belokopytov		The cumulative heat strain indexa novel approach to assess the physiological strain induced by e		Exclude	-	No	-	-	-	-	-	-	-
M. Gass; G. C. Gass	2001		Spinal Cord	Exclude	-	-	-	-	-	No	No	-	-
. Gill; G. Sleivert	2001	Effect of daily versus intermittent exposure on heat acclimation	Aviat Space Environ Med		-	Yes	Yes	Yes	Yes	Yes	No	No	Yes
. Havenith	2001		J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
Jessen	2001		Jpn J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
I. Koishi; S. Yokota; T. N. Kondo: M. Shibasaki: 1		The effects of KNK437, a novel inhibitor of heat shock protein synthesis, on the acquisition of the		Exclude	Yes	-	-	-	-	-	- N-	-	-
. Kondo; M. Shibasaki; l M. McLellan	K. A 2001 2001			Exclude	-	- N.	-	-	-	-	No	-	-
		, , , , , , , , , , , , , , , , , , ,		Exclude	-	No	-	-	-	-	No	-	-
Melin; N. Koulmann; C B. Mitchell; E. R. Schill		Comparison of passive heat or exercise-induced dehydration on renal water and electrolyte excrete The influence of different external cooling methods on thermoregulatory responses before and afti-		Exclude Exclude	Yes	-	-	-	-	-	No No	-	-
Ozaki; Y. Nagai; Y. Too		Physiological responses and manual performance in humans following repeated exposure to sever		Exclude	Yes	-	-	-	-	-	NO	-	-
. N. Sawka; W. A. Latzk			Med Sci Sports Exerc	Exclude	105	-	-	-		-	No	-	-
E. Schoffstall; J. D. Bra		Effects of dehydration and rehydration on the one-repetition maximum bench press of weight-train		Exclude	-		-				No		
L. Stebbins; J. W. Dani		Effects of caffeine and high ambient temperature on haemodynamic and body temperature response	-	Exclude	Yes		-				-		
M. Stocks; M. J. Patters		Metabolic habituation following repeated resting cold-water immersion is not apparent during low		Exclude	Yes								
Takeno; Y. I. Kamijo; H		Thermoregulatory and aerobic changes after endurance training in a hypobaric hypoxic and warm		Exclude	Yes	-	-	-	-	-	-	-	-
Tei	2001		J Cardiol	Exclude	Yes	-	-	-	-	_	-	-	_
van Tubergen; R. Land		Combined spa-exercise therapy is effective in patients with ankylosing spondylitis: a randomized	Arthritis Rheum	Exclude	-	-	-		-	No	No		-
. Vogt; A. Puntschart; J.		Molecular adaptations in human skeletal muscle to endurance training under simulated hypoxic co		Exclude	Yes	-	-	-	-	-	-	-	-
M. Walker; B. Dawson;	T. F 2001		Comp Biochem Physiol A		-	-	-	-	-	-	No	-	-
J. Zhang; H. Y. Pan; S.	J. G: 2001	Reverse transcription slippage over the mRNA secondary structure of the LIP1 gene	Biotechniques	Exclude	Yes	-	-	-	-	-	-	-	-
E. Armstrong; J. Stoppa	ani 2002	Central nervous system control of heat acclimation adaptations: an emerging paradigm	Rev Neurosci	Exclude	-	No	-	-	-	-	No	-	-
. R. Bassett, Jr.	2002	Scientific contributions of A. V. Hill: exercise physiology pioneer	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
T. Burkman	2002	The transdermal contraceptive patch: a new approach to hormonal contraception	Int J Fertil Womens Med	Exclude	Yes	-	-	-	-	-	-	-	-
S. Cadarette; L. Levine	e; M. 2002	Heat strain reduction by ice-based and vapor compression liquid cooling systems with a toxic age	Aviat Space Environ Med	Exclude	Yes	-	-	-	-	-	-	-	-
Féasson; D. Stockholm		Molecular adaptations of neuromuscular disease-associated proteins in response to eccentric exerc		Exclude	Yes	-	-	-	-	-	-	-	-
Ferrer; A. Alegría; R. F		High-performance liquid chromatographic determination of furfural compounds in infant formula		Exclude	Yes	-	-	-	-	-	-	-	-
. M. Hedley; M. Climste		The effects of acute heat exposure on muscular strength, muscular endurance, and muscular power	-	Exclude	-	-	-	-	-	-	No	-	-
Jimenez; N. Koulmann		Plasma compartment filling after exercise or heat exposure	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
. L. Kenney; M. J. Zema			J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
Koppo; A. M. Jones; L		Effect of prior exercise on VO(2) slow component is not related to muscle temperature	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
C. Kregel	2002	Heat shock proteins: modifying factors in physiological stress responses and acquired thermotoler		Exclude	Yes	-	-	-	-	-	-	-	-
Kunitsuka; K. Yamatsu			Nihon Koshu Eisei Zasshi		-	-	No	-	-	-	No	-	-
A. Leydon; C. Wall	2002	New Zealand jockeys' dietary habits and their potential impact on health	Int J Sport Nutr Exerc Me		Yes	-	-	-	-	-	-	-	-
Malchaire; B. Kampman A. Marsh; D. G. Jenkin		Assessment of the risk of heat disorders encountered during work in hot conditions Physiological responses to the menstrual cycle: implications for the development of heat illness in	Int Arch Occup Environ H Sports Med	Exclude	Yes Yes	-	-	-	-	-	-	-	-
A. Marsn; D. G. Jenkin Marzolini; A. Béguin;		Physiological responses to the menstrual cycle: implications for the development of neat illness in Determination of lopinavir and nevirapine by high-performance liquid chromatography after solid	•			-	-	-	-	-	-	-	-
McArdle; A. Vasilaki; l		Exercise and skeletal muscle ageing: cellular and molecular mechanisms	Ageing Res Rev	Exclude	Yes Yes		-		-				1
M. McCracken; R. T. G		Multimethod assessment of treatment process in chronic low back pain: comparison of reported pa		Exclude	Yes		-	-			_		÷.
M. McLellan; S. G. Rhi		Body temperature in sedentary adults during moderate exercise: no effect from exercise the day but			Yes			-			-		÷
M. Moore; A. F. Timper		Weight management and weight loss strategies of professional jockeys	Int J Sport Nutr Exerc Me		Yes	-	-	_	-	-	_	-	-
S. Moran; W. L. Kenne			Am J Physiol Regul Integ		-	-	-	_	-	-	No	_	-
L. Morgan; W. E. Sinni		Age effects on body fluid distribution during exercise in the heat	Aviat Space Environ Med		-	_	-	_	-	-	No	_	-
K. Nasr; R. J. McCarth		The role of pedometers in the assessment of intermittent claudication	Eur J Vasc Endovasc Surg		Yes	-	-	-	-	-	-	-	-
Ookawara; K. Suzuk; S			Res Commun Mol Pathol		Yes	-	-	-	-	-	-	-	-
H. Pannen	2002	[Etiology and sequelae of perioperative accidental hypothermia]		Exclude	Yes	-	No	-	-	-	-	-	-
J. Pilcher; E. Nadler; C.	Bus 2002	Effects of hot and cold temperature exposure on performance: a meta-analytic review	Ergonomics	Exclude	Yes	-	-	-	-	-	-	-	-
Post; G. Heusch	2002		Minerva Cardioangiol	Exclude	Yes	-	-	-	-	-	-	-	-
Shastry; D. O. Toft; M.	J. Jc 2002	HSP70 and HSP90 expression in leucocytes after exercise in moderately trained humans	Acta Physiol Scand	Exclude	Yes	-	-	-	-	-	-	-	-
. Singer	2002	[Phylogeny of Mammalian metabolism]	Anasthesiol Intensivmed ?	Exclude	Yes	-	-	-	-	-	-	-	-

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				Decision	Passon(s) for	inclusion/exclus	ion:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
Author	Year	Title	Journal	Include or exclude?	Irrelevant / of topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
. S. Thompson; P. M.		The repeated bout effect and heat shock proteins: intramuscular HSP27 and HSP70 expression fol		Exclude	Yes	-	-	-	-	-	-	-	-
Vasmatzidis; R. E. Se		3	Ergonomics	Exclude	Yes	-	-	-	-	-	-	-	-
Voltaire; O. Galy; O			Can J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
I. P. Ward; J. S. Mille		111	High Alt Med Biol	Exclude	Yes	-	-	-	-	-	-	-	-
. A. Zacur; B. Hedon		Integrated summary of Ortho Evra/Evra contraceptive patch adhesion in varied climates and cond		Exclude	Yes	-	-	-	-	-	-	-	-
Boegli; G. Gremion			J Invest Dermatol	Exclude	Yes	-	-	-	-	-	-	-	-
. Bogin; L. Rios	2003			Exclude	Yes	-	-	-	-	-	-	-	-
. W. Bridge; A. S. W			Exp Physiol	Exclude	-	-	-	-	-	-	No	-	-
. W. Bridge; A. S. W		Responses to exercise in the heat related to measures of hypothalamic serotonergic and dopamine		Exclude	-	-	-	-	-	-	No	-	-
N. Cheuvront; M. A			J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
. C. Donaldson; W. R		Cardiovascular responses to heat stress and their adverse consequences in healthy and vulnerable		Exclude	Yes	-	-	-	-	-	-	-	-
Faerevik; R. E. Rein		0 1 0 1 0 0 1	Ergonomics	Exclude	Yes	-	-	-	-	-	-	-	-
Fehrenbach; R. Veit	,		Free Radic Res	Exclude	Yes	-	-	-	-	-	-	-	-
J. Gordon	2003		Environ Res	Exclude	Yes	-	-	-	-	-	-	-	-
. Gutiérrez; J. L. Mes			Int J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
A. Hancock; I. Vasm		0 1	Int J Hyperthermia	Exclude	-	No	-	-	-	-	-	-	-
E. Jeukendrup	2003		Biochem Soc Trans	Exclude	Yes	No	-	-	-	-	-	-	-
O. Jørgensen; M. Kr	-		J Endocrinol Invest	Exclude	Yes	-	-	-	-	-	-	-	-
Kalhoff	2003		Eur J Clin Nutr	Exclude	Yes	-	-	-	-	-	-	-	-
Khassaf; A. McArd		Effect of vitamin C supplements on antioxidant defence and stress proteins in human lymphocytes		Exclude	Yes	-	-	-	-	-	-	-	-
Koulmann; S. Banz			Med Trop (Mars)	Exclude	-	No	No	-	-	-	No	-	-
J. Kraemer; L. E. A		The effects of exertional heatstroke and exercise-heat acclimation on plasma beta-endorphin conc			-	-	-	-	-	-	No	-	-
A. Loeppky; M. V. Id	-	1 1 1	High Alt Med Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Michalsen; R. Lüdtl		Thermal hydrotherapy improves quality of life and hemodynamic function in patients with chroni		Exclude	Yes	-	-	-	-	No	-	-	-
Nagiev Iu M. Niess: E. Fehere	2003	[Duration-outcome relations in nonpharmacological treatment of chronic cardiac failure developed			-	-	No	-	-	-	-	-	-
M. Niess; E. Fehren	,	Individual differences in self-reported heat tolerance. Is there a link to the cardiocirculatory, them			Yes	-	-	-	-	-	-	•	-
O'Brien: S. J. Monta	,	Impact of elevated ambient temperatures on the acute immune response to intensive endurance ex		Exclude	Yes	-	-	-	-	-	-	-	-
,		Hypohydration effect on finger skin temperature and blood flow during cold-water finger immersi Exertional heatstroke in an infantry soldier taking ephedra-containing dietary supplements	Mil Med	Exclude Exclude	Yes Yes	-	-	-	-	-	-	-	-
C. Oh; J. S. Henning	-					-	-	-	-	-	-	-	-
A. Oppliger; S. A. S K. Ormerod; T. A. E		Weight loss practices of college wrestlers Drinking behavior and perception of thirst in untrained women during 6 weeks of heat acclimation	Int J Sport Nutr Exerc Me		Yes Yes	-	-	-	-	-	-	-	-
Saboisky; F. E. Mari		1 1	Exp Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Smalley; R. M. Jank			Mil Med	Exclude	Yes	-	-	-	-	-	-	-	-
A. Stokes; M. E. Ne		•	Growth Horm IGF Res	Exclude	Yes	-	-	-	-	-	-	-	-
P. Taylor; J. W. Stan			Acta Physiol Scand	Exclude	Yes	-	-	-	-	-	-	-	-
Thompson; C. Willi			Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-		-
S. Thompson; E. B.			Acta Physiol Scand	Exclude	Yes		-				-		
Voltaire; S. Berthou		-	J Sports Med Phys Fitnes		Yes			_	-	-		-	-
Yamazaki: K. Hama:		Heat acclimation increases skin vasodilation and sweating but not cardiac baroreflex responses in		Exclude	-	-	-	_	-	-	No	_	-
A. Armada-da-Silva;			Eur J Appl Physiol	Exclude	-	-	-	_	-	-	No	_	-
Banfî; A. Dolci; R.			Clin Chem Lab Med	Exclude	Yes	-	-	-	-	-	-	-	-
S. Cheung; G. G. Sle		Lowering of skin temperature decreases isokinetic maximal force production independent of core		Exclude	Yes	-	-	-	-	-	-	-	-
N. Cheuvront; R. Ca		Branched-chain amino acid supplementation and human performance when hypohydrated in the h		Exclude	Yes	-	-	-	-	-	-	-	-
E. Coris; A. M. Ran			Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
A. Dickson; J. B. G		-	Physiol Biochem Zool	Exclude	Yes	-	-	-	-	_	-	-	-
Hirose; K. Nosaka;			Exerc Immunol Rev	Exclude	Yes	-	-	-	-	-	-	-	-
Hue; B. Voltaire; O.			J Sports Med Phys Fitnes		-	-	-	-	-	-	No	-	-
K. Irmak; A. Korkn		Selective brain cooling seems to be a mechanism leading to human craniofacial diversity observed		Exclude	Yes	-	-	-	-	-	-	-	-
P. Kilduff; E. Georg		The effects of creatine supplementation on cardiovascular, metabolic, and thermoregulatory respo			Yes	-	-	-	-	-	-	-	-
M. Lane; P. C. Terry			J Sports Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Leeb	2004		Nature	Exclude	Yes	-	-	-	-	-	-	-	-
Lietava; B. Vohnout;	; D. Val. 2004	Comparison of hemodynamics during hyperthermal immersion and exercise testing in apparently		Exclude	-	-	-	-	-	-	No	-	-
M. Linnane; R. M. I	Bracker 2004		Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Liu; W. Lormes; L.		Different skeletal muscle HSP70 responses to high-intensity strength training and low-intensity er		Exclude	Yes	-		-	-	-	-	-	-
Maughan; S. Shirret	-		J Sports Sci	Exclude	Yes	No		-	-	-	-	-	-
Nimmo	2004		J Sports Sci	Exclude	Yes	No						+	

												erformance, VO2max, economy/efficiency, or re temp, and thermal comfort during exercis	
				Decision	Reason(s) for	inclusion/exclus	ion [.]			r nysiology during ex	ercise - Kr E, neart rate, sweat rate, co	e temp, and thermal conflort during exercis	e.
Author	Year	Title	Journal	Include or exclude?	Irrelevant / off topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
M. J. Patterson; J. M. St			J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
B. Peiser; T. Reilly	2004	Environmental factors in the summer Olympics in historical perspective	J Sports Sci	Exclude	Yes	-	-	-	-	-	-	-	-
C. D. Raeburn; M. A. Zi		Surgical applications of organ preconditioning	Minerva Chir	Exclude	Yes	-	-	-	-	-	-	-	-
D. V. Reising; P. M. San		,	Hum Factors	Exclude	Yes	-	-	-	-	-	-	-	-
W. F. U. H. Sciences; N.		Clonidine-induced Spinal Acetylcholine Release: Normal Volunteers vs. Neuropathic Pain		Exclude	Yes	-	-	-	-	-	-	-	-
C. L. Shields; G. G. Gie			Can J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
D. Simar; D. Malatesta;			Exp Gerontol	Exclude	Yes	-	-	-	-	-	-	-	-
A. B. Stein; X. L. Tang;		Delayed adaptation of the heart to stress: late preconditioning	Stroke	Exclude	Yes	-	-	-	-	-	-	-	-
. M. Steinacker; W. Lor			Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
C. A. Stokes; M. E. Nev		Effect of 6 weeks of sprint training on growth hormone responses to sprinting	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
R. Tucker; L. Rauch; Y.		Impaired exercise performance in the heat is associated with an anticipatory reduction in skeletal in with specific performance of two one stop of the entire systems in cornical equities.	-	Exclude	Yes	-	-	-	-	-	-	-	-
S. Uno; T. Abo; T. Tanak M. Whitham; S. L. Hals		. ,	J Adhes Dent Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
A. Whitham; S. L. Hals Q. Zhou; R. X. Xu; S. Z		Leukocyte heat shock protein expression before and after intensified training [Hemorheological changes in hot and humid environment]	Int J Sports Med Di Yi Jun Yi Da Xue Xue	Exclude	Yes	-	-	-	-	-	-		-
3. Angepat; V. M. Gorer		Accelerating perfusion process optimization by scanning non-steady-state responses	Biotechnol Bioeng	Exclude	Yes	-	-	-	-	-	-	-	-
. E. Armstrong; C. M.		Heat acclimation and physical training adaptations of young women using different contraceptive			1 es	-	-	-	-	-	No.	-	-
. Bautmans; R. Njemini			Gerontology	Exclude	Yes	1.	-		-	-	-	<u>-</u>	-
Boyer; S. Robitail; D.		[Media and public health: example of heat wave during summer 2003]	Rev Epidemiol Sante Pub		-	No	No	-			No	-	-
f. K. Day; D. Grimshaw			J R Army Med Corps	Exclude		No	-				No	-	1
. Haman; F. Péronnet; (J Physiol	Exclude	Yes	-					-	1.	1
. Hassi; M. Rytkönen; J			. ,	Exclude	Yes			_	_	_			
S. J. Laing; D. Gwynne;		Salivary IgA response to prolonged exercise in a hot environment in trained cyclists	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-		-	-
G. I. Lancaster; Q. Khan	n; P. D. 2005		J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
K. F. Leinfelder	2005		Compend Contin Educ De		Yes	-	-	-	-	-	-	-	-
. Leppäluoto; T. Pääkkö	cönen; 12005		Acta Physiol Scand	Exclude	Yes	-	-	-	-	-	-	-	-
D. Low; T. Cable; A. Pu	urvis 2005	Exercise thermoregulation and hyperprolactinaemia	Ergonomics	Exclude	Yes	-	-	-	-	-	-	-	-
A. Masuda; Y. Koga; M.	4. Hatta 2005	The effects of repeated thermal therapy for patients with chronic pain	Psychother Psychosom	Exclude	-	-	-	-	-	No	No	-	-
H. Miyamoto; H. Kai; H	H. Naki 2005	Safety and efficacy of repeated sauna bathing in patients with chronic systolic heart failure: a prel	J Card Fail	Exclude	-	-	-	-	-	No	No	-	-
M. L. Ong; E. Y. Ng	2005	A global bioheat model with self-tuning optimal regulation of body temperature using Hebbian fee	Med Phys	Exclude	Yes	-	-	-	-	-	-	-	-
. S. Petrofsky; S. Lee; C	C. Patt 2005	Sweat production during global heating and during isometric exercise in people with diabetes	Med Sci Monit	Exclude	Yes	-	-	-	-	-	-	-	-
. Radons; G. Multhoff	2005	Immunostimulatory functions of membrane-bound and exported heat shock protein 70	Exerc Immunol Rev	Exclude	Yes	-	-	-	-	-	-	-	-
A. P. Russell	2005		Curr Diabetes Rev	Exclude	Yes	-	-	-	-	-	-	-	-
M. Saat; R. G. Sirisingh		, .	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
M. Saat; R. G. Sirisingh		Effects of short-term exercise in the heat on thermoregulation, blood parameters, sweat secretion a			-	No	Yes	Yes	Yes	Yes	Yes	No	No
M. Saat; Y. Tochihara; N			J Physiol Anthropol Appl		-	-	-	-	-	-	No	-	-
A. C. Spetz; K. Ellefsen		3	Gynecol Obstet Invest	Exclude	Yes	-	-	-	-	-	-	-	-
R. C. Spreafico; I. Krejc		Clinical performance and marginal adaptation of class II direct and semidirect composite restoration		Exclude	Yes	-	-	-	-	-	-	-	-
A. T. Strachan; J. B. Lei		Serotonin2C receptor blockade and thermoregulation during exercise in the heat	Med Sci Sports Exerc Free Radic Res	Exclude	Yes	-	-	-	-	-	-	-	-
D. Thompson; S. Basu-N B. G. Vainer	-Modak 2005 2005	Exercise-induced expression of heme oxygenase-1 in human lymphocytes FPA-based infrared thermography as applied to the study of cutaneous perspiration and stimulated		Exclude	Yes	-	-	-	-	-	•	-	-
. G. Valdivia Uría; O. R		[Transurethral resection with saline solution: a technological achievement not yet assimilated by the solution of the solution		Exclude Exclude	Yes Yes	-	No	-	-	-	-	-	-
D. C. Wallace	2005	The mitochondrial genome in human adaptive radiation and disease: on the road to therapeutics at		Exclude	Yes	-	INO	-	-	-	-	-	-
J. C. Wallace N. Webborn: M. J. Price		Effects of two cooling strategies on thermoregulatory responses of tetraplegic athletes during repe		Exclude	Yes	-	-	-	-	-	-	-	-
Actrn	2005	Effects of Continuous Airway Pressure on the ability to heat and humidify air in healthy subjects		Exclude	Yes		-	-	-	-	-		-
S. S. Bruce-Low: D. Cot			Aviat Space Environ Med		Yes	i i	i.	Ti-		T.	_		
C. Byrne; J. K. Lee; S. A			Med Sci Sports Exerc	Exclude	-	No	-	-	-	-	No	-	-
S. N. Cheuvront; R. Car			Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
/. G. Coffey; A. Shield;		Interaction of contractile activity and training history on mRNA abundance in skeletal muscle from			Yes	-	-	-	-	-	-	-	-
V. G. Coffey; Z. Zhong;		Early signaling responses to divergent exercise stimuli in skeletal muscle from well-trained human		Exclude	Yes	-	-	-	-	-	-	-	-
C. Fernández-de-Las-Pe		One-year follow-up of two exercise interventions for the management of patients with ankylosing		Exclude	Yes	-	-	-	-	No	-	-	-
C. P. Fischer; N. J. Hisco		Vitamin E isoform-specific inhibition of the exercise-induced heat shock protein 72 expression in		Exclude	Yes	-	-	-	-	-	-	-	-
A. D. Flouris; S. S. Cher				Exclude	Yes	-	-	-	-	-	-	-	-
S. D. French; M. Camer	-		Cochrane Database of Sys		Yes	-	-	-	-	No	-	-	-
D. Girlich; T. Naas; P. N	Nordm: 2006			Exclude	Yes	-	-	-	-	-	-	-	-
			J Occup Environ Hyg		Yes								

		naracteristics of excluded studies - Studies excluded by TS			of	2399				*Performence/cons -:*	= time trial time to exhaustion	rformance VO2may acanomy/affici	r lactate threshold
										**Physiology during ex	- ume ural, time to exnaustion, race po tercise = RPE, heart rate, sweat rate, co	rformance, VO2max, economy/efficiency, or re temp, and thermal comfort during exercis	e.
				Decision	Reason(s) for i	nclusion/exclusi	ion:						
Luthor	Year	Title Jo	ournal	Include or exclude?	Irrelevant / off- topic?	Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
M. Hile; J. M. Anderso	son; K 2006	Creatine supplementation and anterior compartment pressure during exercise in the heat in dehydr J	Athl Train	Exclude	Yes	-	-	-	-	-	-	-	-
Hue; B. Voltaire; C. He	lertog 2006	Heart rate, thermoregulatory and humoral responses during a 9-day cycle race in a hot and humid In	t J Sports Med	Exclude	-	No	-	-	-	-	No	-	-
M. Joseph; H. Pilegaar	ard; A 2006	Control of gene expression and mitochondrial biogenesis in the muscular adaptation to endurance Es	ssays Biochem	Exclude	Yes	-	-	-	-	-	-	-	-
Kamijo; H. Nose	2006	3 3 7	d Health	Exclude	Yes	No	-	-	-	-	-	-	-
L. Lim; L. T. Mackinno		The roles of exercise-induced immune system disturbances in the pathology of heat stroke : the dt Sp		Exclude	Yes	-	-	-	-	-	-	-	-
Liu; L. Gampert; K. Ne			ront Biosci	Exclude	Yes	-	-	-	-	-	-	-	-
Magalhães Fde; C. A. 1		Possible biphasic sweating response during short-term heat acclimation protocol for tropical nativ J I		Exclude	-	-	-	-	-	-	No	-	-
B. Manukhina; H. F. D			xp Biol Med (Maywood		Yes	-	-	-	-	-	-	-	-
C. Marshall; R. A. Ferg	-	Human resting extracellular heat shock protein 72 concentration decreases during the initial adapt Co		Exclude	Yes	-	-	-	-	-	-	-	-
H. McInnis; W. S. Jour		15 degrees head-down tilt attenuates the postexercise reduction in cutaneous vascular conductance J		Exclude	Yes	-	-	-	-	-	-	-	-
R. Miller; M. D. Purug		Molecular population genetics and phenotypic diversification of two populations of the thermophi A		Exclude	Yes	-	-	-	-	-	-	-	-
Mündel; J. King; E. Co		Drink temperature influences fluid intake and endurance capacity in men during exercise in a hot, Ex		Exclude	Yes	-	-	-	-	-	-	-	-
Oksa; H. Rintamäki; T. J. Ouod: D. T. Martin:			fil Med	Exclude	Yes	- N.	-	-	-	-	-	-	-
. J. Quod; D. I. Martin; Racinais: K. Chamari:	,	Cooling athletes before competition in the heat: comparison of techniques and practical considera Sp		Exclude	Yes	No	-	-	-	-	- No	-	-
,		Effect of an acute hot and dry exposure in moderately warm and humid environment on muscle pc In Thermoregulation in elite athletes		Exclude	-	-	-	-	-	-		-	-
Reilly; B. Drust; W. Gr M. Rivera-Brown; T. V			urr Opin Clin Nutr Meta at J Sports Med	Exclude	-	No	-	-	-	-	No No	-	-
L. Sharp	2006	-	Am Coll Nutr	Exclude	Yes	-	-	-	-	-	INO	-	-
Shibasaki; T. E. Wilson			Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
A. Tavlor	2006		d Health	Exclude	Yes	-	-	-		-	-	-	-
Fucker; T. Marle; E. V.		The rate of heat storage mediates an anticipatory reduction in exercise intensity during cycling at (J I		Exclude	1 65	-	-	-		-	No	-	-
V. Upreti; M. Khurana;		Determination of endogenous glycosaminoglycans derived disaccharides in human plasma by HP J G			Yes		-	-			-		
P. Walsh; M. Whitham			oorts Med	Exclude	Yes	No							
Weissgerber; L. A. V		Physiological adaptation in early human pregnancy: adaptation to balance maternal-fetal demands A			Yes	-							
E. Wingo; K. J. Cureton		Body cooling attenuates the decrease in maximal oxygen uptake associated with cardiovascular di Eu		Exclude	Yes							_	
E. Wingo; K. J. Cureton			viat Space Environ Med		-			_	-		No	_	
W. Yeargin; D. J. Casa;		Heat acclimatization and hydration status of American football players during initial summer worl J		Exclude	-	No	-	-	-	-	No	-	-
E. Armstrong; D. J. Ca		American College of Sports Medicine position stand. Exertional heat illness during training and c M	-	Exclude	Yes	No	-	-	-	-		-	-
Bender; G. Nagy; I. Ba			ur J Appl Physiol	Exclude	Yes	-	-	-	-	-			-
Buguet	2007	Sleep under extreme environments: effects of heat and cold exposure, altitude, hyperbaric pressur J	Neurol Sci	Exclude	Yes	-	-	-	-	-	-	-	-
J. Buono; K. D. Ball; I	F. W. 2007			Exclude	Yes	-	-	-	-	-	-	-	-
Cecchini; V. LoPresti	i 2007	Drug residues store in the body following cessation of use: impacts on neuroendocrine balance an M	led Hypotheses	Exclude	Yes	-	-	-	-	-	-	-	-
K. Chang; C. P. Chang	g; S. \2007	Oxidative stress and ischemic injuries in heat stroke	rog Brain Res	Exclude	Yes	-	-	-	-	-		-	-
S. Cheung	2007	Neuropsychological determinants of exercise tolerance in the heat	rog Brain Res	Exclude	Yes	-	-	-	-	-	-	-	-
Cleary; D. Ruiz; L. Eb	berm: 2007	Dehydration, cramping, and exertional rhabdomyolysis: a case report with suggestions for recove J	Sport Rehabil	Exclude	Yes	-	-	-	-	-	-	-	-
E. Coris; S. Walz; J. Ko	Conin; 2007	Return to activity considerations in a football player predisposed to exertional heat illness: a case J 5	Sport Rehabil	Exclude	Yes	-	-	-	-	-	-	-	-
V. Grishin; N. V. Ustuz	ızanin 2007	The influence of cold on energy expenditure at rest and during exercise in person in the North	laska Med	Exclude	Yes	-	-	-	-	-	-	-	-
A. Hancock; J. M. Ross			um Factors	Exclude	-	No	-	-	-	-	No	-	-
Hellsten; J. J. Nielsen;		Antioxidant supplementation enhances the exercise-induced increase in mitochondrial uncoupling Fr		Exclude	Yes	-	-	-	-	-	-	-	-
J. Hornery; D. Farrow;			t J Sports Physiol Perfor		Yes	-	-	-	-	-	-	-	-
Horowitz	2007		rog Brain Res	Exclude	-	No	-	-	-	-	No	-	-
Horowitz; S. D. Robin		Heat shock proteins and the heat shock response during hyperthermia and its modulation by altere Pr		Exclude	Yes	-	-	-	-	-	-	-	-
Jezova; Z. Radikova; N		Growth hormone response to different consecutive stress stimuli in healthy men: is there any diffe St		Exclude	Yes	-	-	-	-	-	-	-	-
C. Lacerda; F. Gripp; I			ur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Loregian; M. C. Scarpa		Measurement of ribavirin and evaluation of its stability in human plasma by high-performance liq J			Yes	-	-	-	-	-	-	-	-
Lovell; L. Madden; S.		The time-profile of the PBMC HSP70 response to in vitro heat shock appears temperature-depend At		Exclude	Yes	-	-	-	-	-	-	-	-
I. Lovell; I. Kirke; J. S			Sports Med Phys Fitness		Yes	-	-	-	-	-	-	-	-
Markovitch; R. M. Tyr			ree Radic Res	Exclude	Yes	-	-	-	-	-	-	-	-
Mora-Podriguez: L De			at J Sport Nutr Exerc Me		Yes	-	-	-	-	-	-	-	-
Mora-Rodriguez; J. De H. Mortensen; P. Plom		Separate and combined effects of airflow and rehydration during exercise in the heat PGC-1beta is downregulated by training in human skeletal muscle: no effect of training twice eve J J	Appl Physiol (1985)	Exclude Exclude	Yes	-	-	-	-	-	-	-	-
	2007		Sci Med Sport	Exclude	1 es	-	-	-	-	-	- No	•	-
H. Morton Mündel; S. J. Bunn; P.		-			Van	-	-	-	-	-	INO	•	-
Mündel; S. J. Bunn; P Murrav	2007 2007	The effects of face cooling during hyperthermic exercise in man: evidence for an integrated therm Ex- Hydration and physical performance	xp Physiol Am Coll Nutr	Exclude	Yes	-	-	-	-	-	-	-	-
D. Noakes	2007		ports Med	Exclude Exclude	Yes Yes	-	-	-	-	-	-	-	-
Paulsen; K. Vissing; J.		Maximal eccentric exercise induces a rapid accumulation of small heat shock proteins on myofibr Ai			Yes	-	-	-		*	-		-

										**Physiology during or	= time trial, time to exhaustion, race pe	e temp, and thermal comfort during exercis	ir lactate threshold.
				Decision	Reason(s) for	inclusion/exclus	ion:			rnysiology during ex	ercise – R.P.E., neart rate, sweat rate, co	e temp, and thermal comfort during exerci-	e.
uthor	Year	Title Jour	rnal	Include or exclude?	Irrelevant / off topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
Qiu; T. H. MacRae	2007	Developmentally regulated synthesis of p8, a stress-associated transcription cofactor, in diapause- Cell S	Stress Chaperones	Exclude	Yes	-	-	-	-	-	-	-	-
S. Radaković; J. Marić;	V. I 2007	[Effect of acclimation on changes in water and electrolyte homeostasis in soldiers during exertion Vojno	osanit Pregl	Exclude	-	-	No	-	-	-	No	-	-
S. Radakovic; J. Maric;		Effects of acclimation on cognitive performance in soldiers during exertional heat stress Mil M	Med	Exclude	-	-	-	-	-	-	No	-	-
. Rintamäki	2007			Exclude	Yes	-	-	-	-	-	-	-	-
. Rintamäki	2007	Human responses to cold Alask	ka Med	Exclude	Yes	-	-	-	-	-	-	-	-
Rowland; A. Garrison; I				Exclude	Yes	-	-	-	-	No	-	-	-
L. Sharp	2007	1 1		Exclude	Yes	-	-	-	-	-	-	-	-
M. Shirreffs; D. J. Casa;				Exclude	Yes	-	-	-	-	-	-	-	-
Simar; D. Malatesta; S.	Bac 2007	Physical activity modulates heat shock protein-72 expression and limits oxidative damage accuming J Ger			Yes	-	-	-	-	-	-	-	-
G. Sleivert	2007	Using microtechnology to monitor thermal strain and enhance performance in the field Int J	Sports Physiol Perfor	Exclude	Yes	-	-	-	-	-	-	-	-
A. Sonna; M. N. Sawka;	,			Exclude	Yes	-	-	-	-	-	-	-	-
W. Starnes; R. P. Taylor				Exclude	Yes	-	-	-	-	-	-	-	-
Tanaka; K. Ishii; H. Suz		[Cholinergic urticaria successfully treated by immunotherapy with partially purified sweat antiger Areru		Exclude	Yes	-	-	-	-	-	-	-	-
M. Watkins; D. J. Cheel	k; A 2007		t Space Environ Med	Exclude	Yes	-	-	-	-	-	-	-	-
S. Weller; D. M. Linnan		Quantification of the decay and re-induction of heat acclimation in dry-heat following 12 and 26 c Eur J		Exclude	-	-	-	-	-	-	No	-	-
Wendt; L. J. van Loon;		Thermoregulation during exercise in the heat: strategies for maintaining health and performance Sport		Exclude	Yes	-	-	-	-	-	-	-	-
Wilk; A. M. Rivera-Bro	wn; 2007	Voluntary drinking and hydration in non-acclimatized girls exercising in the heat Eur J	Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Wisløff; A. Støylen; J. P	P. Lc 2007	Superior cardiovascular effect of aerobic interval training versus moderate continuous training in Circu	ılation	Exclude	Yes	-	-	-	-	-	-	-	-
C. Wright; P. C. Geiger;	; D. 2007	Calcium induces increases in peroxisome proliferator-activated receptor gamma coactivator-1alph J Bio	ol Chem	Exclude	Yes	-	-	-	-	-	-	-	-
A. Wright; P. W. Grandj	jean 2007	The effects of creatine loading on thermoregulation and intermittent sprint exercise performance i J Stre	ength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
M. Yamada; F. T. Amoria	m; 12007	Effect of heat acclimation on heat shock protein 72 and interleukin-10 in humans J App	pl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
Yamazaki; T. Ikuta; R. S	Sone 2007	[Modulation of central sudomotor control by short-term heat acclimation as evidenced by frequen J uoe	eh	Exclude	-	-	No	-	-	-	No	-	-
Yokoyama; M. Tao; N. I	Kak 2007	Prediction computer program for whole body temperatures and its application under various work Ind H	lealth	Exclude	Yes	-	-	-	-	-	-	-	-
S. Scoon; W. G. Hopkin	ns; \$ 2007	Effect of post-exercise sauna bathing on the endurance performance of competitive male runners J Sci	Med Sport	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	2008	Safety and nutritional assessment of GM plants and derived food and feed: the role of animal feed Food	Chem Toxicol	Exclude	Yes	-	-	-	-	-	-	-	-
E. Adam; R. Carter, 3rd	l; S. 2008	Hydration effects on cognitive performance during military tasks in temperate and cold environment (Physical Physical Ph	iol Behav	Exclude	Yes	-	-	-	-	-	-	-	-
Al-Rimawi; S. Jallad	2008	T. T. T.		Exclude	Yes	-	-	-	-	-	-	-	-
Alasaad; L. Rossi; S. Ma	aion 2008	HotSHOT Plus ThermalSHOCK, a new and efficient technique for preparation of PCR-quality mi Paras	sitol Res	Exclude	Yes	-	-	-	-	-	-	-	-
S. Allard; L. K. Heilbron	nn; (2008	In vitro cellular adaptations of indicators of longevity in response to treatment with serum collecte PLoS	S One	Exclude	Yes	-	-	-	-	-	-	-	-
T. Amorim; P. M. Yamad				Exclude	-	-	-	-	-	-	No	-	-
Angerer; S. Kadlez-Gebl	harc 2008	Comparison of cardiocirculatory and thermal strain of male firefighters during fire suppression to Am J	Cardiol	Exclude	Yes	-	-	-	-	-	-	-	-
Ansley; G. Marvin; A. S		The effects of head cooling on endurance and neuroendocrine responses to exercise in warm cond Physic		Exclude	Yes	-	-	-	-	-	-	-	-
Ascensão; V. Azevedo;	R. F 2008	Physiological, biochemical and functional changes induced by a simulated 30 min off-road compe J Spo	orts Med Phys Fitness	Exclude	Yes	-	-	-	-	-	-	-	-
J. Barwood; R. C. Thely	wel 2008	Psychological skills training improves exercise performance in the heat Med	Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
A. Burgomaster; K. R. I	How 2008	Similar metabolic adaptations during exercise after low volume sprint interval and traditional end J Phy	/siol	Exclude	Yes	-	-	-	-	-	-	-	-
N. Cheuvront; T. D. Chi		·		Exclude	-	-	-	-	-	-	No	-	-
N. Cheuvront; D. A. Go	odn 2008	Impact of a protective vest and spacer garment on exercise-heat strain Eur J	Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
D. Chinevere; B. S. Cad		Efficacy of body ventilation system for reducing strain in warm and hot climates Eur J	Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
D. Chinevere; R. W. Ker				Exclude	-	-	-	-	-	-	No	-	-
D. Coso; E. Estevez; R.		Anaerobic performance when rehydrating with water or commercially available sports drinks duri Appl	Physiol Nutr Metab	Exclude	Yes	-	-	-	-	-	-	-	-
W. DeGroot; W. L. Ken			t Space Environ Med		Yes	-	-	-	-	-	-	-	-
Duffield	2008	Cooling interventions for the protection and recovery of exercise performance from exercise-indu Med		Exclude	Yes	-	-	-	-	-	-	-	-
D. Flouris; D. A. Westw				Exclude	Yes	-	-	-	-	-	-	-	-
Folkesson; A. L. Macke		Immunohistochemical changes in the expression of HSP27 in exercised human vastus lateralis mu Acta		Exclude	Yes	-	-	-	-	-	-	-	-
N. French; K. G. Thomp				Exclude	-	-	-	-	-	-	No	-	-
taiti; M. Jemni; A. Kao			Physiol Nutr Metab		-	-	-	-	-	-	No	-	-
J. Gibala; S. L. McGee		Metabolic adaptations to short-term high-intensity interval training: a little pain for a lot of gain? Exerc		Exclude	Yes	No	-	-	-	-	-	-	-
L. Gilbert; K. A. Stokes		Growth hormone responses to 3 different exercise bouts in 18- to 25- and 40- to 50-year-old men Appl	-		Yes	-	-	-	-	-	-	-	-
M. Gosling; B. J. Gabbe				Exclude	Yes	-	-	-	-	-	-	-	-
R. Gray; K. Söderlund; l		ATP and phosphocreatine utilization in single human muscle fibres during the development of ma		Exclude	Yes	-	-	-	-	-	-	-	-
J. Green; E. Bombardier		Metabolic, enzymatic, and transporter responses in human muscle during three consecutive days c Am J		Exclude	Yes	-	-	-	-	-	-	-	-
Hadid; R. Yanovich; T.		Effect of a personal ambient ventilation system on physiological strain during heat stress wearing Eur J		Exclude	Yes	-	-	-	-	-	-	-	-
Hargreaves	2008	,		Exclude	Yes	-	-	-	-	-	-	-	-
A. Judelson; C. M. Mare	esh; 2008	Effect of hydration state on resistance exercise-induced endocrine markers of anabolism, catabolis J App	pl Physiol (1985)	Exclude	Yes Yes	-	-	-	-	-	-	-	-
Jung; P. Strauss; H. J. L.		Influence of moderate cycling on scrotal temperature Int J	Androl	Exclude									

A. C. Kayani; J. P. Morton; A. 2008 B. W. Kenefick; A. St Pierre; † 2008 J. A. Khomenok; A. Hadid; O 2008 B. M. Laing; S. T. Sims; C. A. 2008 J. P. Lambert 2008 L. L. Lim; C. Byrne; J. K. Lee 2008 L. Lowell; L. Madden; L. R. N 2008 J. L. Limir, C. Byrne; J. K. Lee 2008 L. Lowell; J. Madden; L. R. N 2008 J. Mahoney; A. Safdar; G. 12008 J. Mahoney; A. Safdar; G. 12008 J. Mahoney; A. Safdar; G. 12008 J. Mahoney; A. Safdar; J. 2008 J. Mahoney; P. N. Ainslie; R. 12008 J. Mahoney; P. N. Ainslie; R. 12008 J. Mille; E. G. Noble 2008 J. Mille; E. G. Noble 2008 J. Mora-Rodriguez; J. Del Co 2008 J. Mora-Rodriguez; J. Del Co 2008 J. Morell; J. Newell; S. Gran 2008 J. M. Newell; J. Newell; S. Gran 2008 J. Panossian; G. Wikman 2008 J. Papadopoulos; J. Doyle; J. 2008 J. Papadopoulos; J. Doyle; J. 2008 J. Papadopoulos; J. Doyle; J. 2008 J. P. Marin, P. B. 2008 J. P. Rae; G. J. Knobel; T. M; 2008 J. R. Rossi; W. Bolli; R. Stan 2008 S. Romeo, D. Jiménez-Pavón; 2008 S. M. Rossi; W. Bolli; R. Stan 2008	The exercise-induced stress response in skeletal muscle: failure during aging Effect of increased plasma osmolality on cold-induced thirst attenuation Hand immersion in cold water alleviating physiological strain and increasing tolerance to uncomp Differences in weater response to garments for outdoor activity Intestinal barrier dysfunction, endotoxemia, and gastrointestinal symptoms: the 'canary in the coal Human thermoregulation and measurement of body temperature in exercise and clinical settings Effects of active and passive hyperthermia on heat shock protein 70 (HSP70) Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus Local differences in sweat secretion from the head during rest and exercise in the heat Gene expression profiling in human skeletal muscle during recovery from eccentric exercise Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Ergonomics I Med Sport Sci Ann Acad Med Singap Amino Acids Sports Med Eur J Appl Physiol Med Sport Sci Med Sport Sci Med Sport Sci Am J Physiol Regul Integr Med Sport Sci Am J Physiol Regul Integr Physiol Behav Med Sci Sports Exerc	Exclude		r inclusion/exclus ff- Controlled trial design?	ion: English language?	Peer-reviewed journal?	Full text available?	**Physiology during ex	= time trial, time to exhaustion, race perceive = RPE, heart rate, eweat rate, cell states and the state of the state of the states and the states are states and the states are states and the states are states	exercise but without post- exercise heat exposure?	or lactate threshold. Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
A. C. Kayani; J. P. Morton; A. 2008 B. W. Kenefick; A. St Pierre; † 2008 J. A. Khomenok; A. Hadid; O 2008 B. M. Laing; S. T. Sims; C. A. 2008 J. P. Lambert 2008 L. L. Lim; C. Byrne; J. K. Lee 2008 L. Lowell; L. Madden; L. R. N 2008 J. L. Limir, C. Byrne; J. K. Lee 2008 L. Lowell; J. Madden; L. R. N 2008 J. Mahoney; A. Safdar; G. 12008 J. Mahoney; A. Safdar; G. 12008 J. Mahoney; A. Safdar; G. 12008 J. Mahoney; A. Safdar; J. 2008 J. Mahoney; P. N. Ainslie; R. 12008 J. Mahoney; P. N. Ainslie; R. 12008 J. Mille; E. G. Noble 2008 J. Mille; E. G. Noble 2008 J. Mora-Rodriguez; J. Del Co 2008 J. Mora-Rodriguez; J. Del Co 2008 J. Morell; J. Newell; S. Gran 2008 J. M. Newell; J. Newell; S. Gran 2008 J. Panossian; G. Wikman 2008 J. Papadopoulos; J. Doyle; J. 2008 J. Papadopoulos; J. Doyle; J. 2008 J. Papadopoulos; J. Doyle; J. 2008 J. P. Marin, P. B. 2008 J. P. Rae; G. J. Knobel; T. M; 2008 J. R. Rossi; W. Bolli; R. Stan 2008 S. Romeo, D. Jiménez-Pavón; 2008 S. M. Rossi; W. Bolli; R. Stan 2008	The exercise-induced stress response in skeletal muscle: failure during aging Effect of increased plasma osmolality on cold-induced thirst attenuation Hand immersion in cold water alleviating physiological strain and increasing tolerance to uncomp Differences in weater response to garments for outdoor activity Intestinal barrier dysfunction, endotoxemia, and gastrointestinal symptoms: the 'canary in the coal Human thermoregulation and measurement of body temperature in exercise and clinical settings Effects of active and passive hyperthermia on heat shock protein 70 (HSP70) Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus Local differences in sweat secretion from the head during rest and exercise in the heat Gene expression profiling in human skeletal muscle during recovery from eccentric exercise Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Appl Physiol Nutr Metab Eur J Appl Physiol Erg J Appl Physiol Ergonomics Med Sport Sci Ann Acad Med Singap Amino Acids Sports Med Eur J Appl Physiol Regul Integr Med Sport Sci Med Sport Sci Am J Physiol Regul Integr Physiol Regul Integr Physiol Regul Integr Physiol Regul Integr	Exclude	Yes	ff- Controlled	English			female adults ≥18 years of	moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2	completing the same daily exercise but without post- exercise heat exposure?	endurance exercise performance/capacit or physiology during exercise**?
C. Kayani; J. P. Morton; A. 2008 W. Kenefick; A. St Pierre; † 2008 A. Khomenok; A. Haddi; O 2008 M. Laing; S. T. Sims; C. A. 2008 P. Lambert Lowell; L. Madden; L. R. N 2008 A. Lumini; J. Magalhäes; P. 2008 A. Lumini; J. Magalhäes; P. 2008 A. Lumini; J. Magalhäes; P. 2008 A. Machado-Moreira; F. Wi 2008 E. Marino Dosseptiments E. Marino P. McClung; J. D. Hasday; J 2008 E. Marino P. McClung; J. D. Hasday; J 2008 J. Milne; E. G. Noble 2008 J. Milne; E. G. Noble 2008 J. Mora-Rodriguez; J. Del Co 2008 P. Morton; D. P. Maclaren; † 2008 Mora-Rodriguez; J. Del Co 2008 P. Morton; D. P. Maclaren; † 2008 I. Newell; J. Newell; S. Gran 2008 I. Newell; J. Newell; S. Gran 2008 H. Noweir, A. O. Bafail; I. 2008 P. Panossian; G. Wikman 2008 Papadopoulos; J. Doyle; J. 2008 P. Papadopoulos; J. Doyle; J. 2008 P. Paratin, P. B. 2008 P. Paratin, P. B. 2008 J. Quod; D. T. Martin; P. B. 2008 J. Quod; D. T. Martin; P. B. 2008 S. Rockl; C. A. Witezak; L. 2008 M. Rossi; C. A. Witezak; L. 2008 M. Rossi; W. Bolli; R. Stan 2008 M. Rossi; W. Bolli; R. Stan 2008 M. Rossi; W. Bolli; R. Stan 2008	The exercise-induced stress response in skeletal muscle: failure during aging Effect of increased plasma osmolality on cold-induced thirst attenuation Hand immersion in cold water alleviating physiological strain and increasing tolerance to uncomp Differences in weater response to garments for outdoor activity Intestinal barrier dysfunction, endotoxemia, and gastrointestinal symptoms: the 'canary in the coal Human thermoregulation and measurement of body temperature in exercise and clinical settings Effects of active and passive hyperthermia on heat shock protein 70 (HSP70) Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus Local differences in sweat secretion from the head during rest and exercise in the heat Gene expression profiling in human skeletal muscle during recovery from eccentric exercise Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Appl Physiol Nutr Metab Eur J Appl Physiol Erg J Appl Physiol Ergonomics Med Sport Sci Ann Acad Med Singap Amino Acids Sports Med Eur J Appl Physiol Regul Integr Med Sport Sci Med Sport Sci Am J Physiol Regul Integr Physiol Regul Integr Physiol Regul Integr Physiol Regul Integr	Exclude	Yes					female adults ≥18 years of	moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2	completing the same daily exercise but without post- exercise heat exposure?	endurance exercise performance/capaci or physiology durin exercise**?
W. Kenefick; A. St Pierre; † 2008 J. A. Khomenok; A. Hadid; O 2008 J. L. Lim; C. Byrne; J. K. Lee 2008 L. Lim; C. Byrne; J. K. Lee 2008 Lovell; L. Madden; L. R. N 2008 A. Machado-Moreira; F. Wi 2008 J. Mahoney; A. Safdar; G. 1 2008 E. Marino Done P. McClung; J. D. Hasday; J. 2008 J. Mahoney; A. Safdar; G. 1 2008 E. Marino Done E. Marino Jone Done Jone J. Mihe; E. G. Noble 2008 Mora-Rodriguez; J. Del Co 2008 J. Mihe; E. G. Noble 2008 Mora-Rodriguez; J. Del Co 2008 J. Mihe; E. G. Noble 2008 J. Mihe; G. Witerail; J. 2008 J. Mora-Rodriguez; J. Del Co 2008 J. Mingel 2008 J. Newell; J. Newell; S. Gran 2008 J. Newell; J. Newell; S. Gran 2008 J. Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. Doyle; J. 2008 J. Paudippova; D. Ivanov; M. 2008 J. J. Quod; D. T. Martin; P. B 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rockl; C. A. Witezak; L. 2008 M. Rossi; W. Bolli; R. Stan 2008 M. Rossi; W. Bolli; R. Stan 2008	Effect of increased plasma osmolality on cold-induced thirst attenuation Hand immersion in cold water alleviating physiological strain and increasing tolerance to uncomp Differences in wearer response to garments for outdoor activity Intestinal barrier dysfunction, endotoxemia, and gastrointestinal symptoms: the 'canary in the coal Human thermoregulation and measurement of body temperature in exercise and clinical settings Effects of active and passive hyperthermia on heat shock protein 70 (HSP70) Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus Local differences in sweat secretion from the head during rest and exercise in the heat Gene expression profiling in human skeletal muscle during recovery from eccentric exercise Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: exex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Eur J Appl Physiol Eur J Appl Physiol Errgonomics Med Sport Sci Ann Acad Med Singap Amino Acids Sports Med Eur J Appl Physiol Am J Physiol Regul Integr Med Sport Sci Schap Physiol Regul Integr Physiol Regul Integr Physiol Schap Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	- - -	-	-
A. Khomenok; A. Hadid; O 2008 M. Laing; S. T. Sims; C. A. 2008 L. Limig; S. F. Sims; C. A. 2008 L. Limig; S. Fyrne; J. K. Lee 2008 L. Limig; C. Byrne; J. K. Lee 2008 L. Lumini; J. Magalhäes; P. 2008 J. Manini; J. Magalhäes; P. 2008 J. Marino 2008 J. Milne; E. G. Noble 2008 J. Milne; E. G. Noble 2008 J. Milne; D. P. Maclaren; P. 2008 J. Milne; J. D. Hasday; J. 2008 J. Milne; J. N. Aimslie; R. 2008 J. Mortor, D. P. Maclaren; P. 2008 Mora-Rodriguez; J. Del Co 2008 J. Milne; J. Newell; S. Gran 2008 J. Newell; J. Newell; S. Gran 2008 Papadopoulos; J. Doyle; J. 2008 E. Rae; G. J. Knobel; T. Mi 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rockl; C. A. Witczak; L. 2008 M. Rossi; W. Bolli; R. Stan 2008 M. Rossi; W. Bolli; R. Stan 2008 M. Rossi; W. Bolli; R. Stan 2008	Hand immersion in cold water alleviating physiological strain and increasing tolerance to uncomp Differences in wearer response to garments for outdoor activity Intestinal barrier dysfunction, endotoxemia, and gastrointestinal symptoms: the 'canary in the coal Human thermoregulation and measurement of body temperature in exercise and clinical settings Effects of active and passive hyperthermia on heat shock protein 70 (HSP70) Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus Local differences in sweat secretion from the head during rest and exercise in the heat Gene expression profiling in human skeletal muscle during recovery from eccentric exercise Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	p Eur J Appl Physiol Ergonomics I Med Sport Sci Ann Acad Med Singap Amino Acids Sports Med Eur J Appl Physiol Am J Physiol Regul Integr Med Sport Sci Med Sport Sci Med Sport Sci Physiol Regul Integr Physiol Regul Integr	Exclude	Yes Yes Yes Yes - Yes Yes Yes Yes Yes	-	-	-	-	-	- - -	-	-
M. Laing; S. T. Sims; C. A. 2008 P. Lambert 2008 L. Lim; C. Byrne; J. K. Lee 2008 Loveli; L. Madden; L. R. N. 2008 A. Lumini; J. Magalhães; P. 2008 A. Lumini; J. Magalhães; P. 2008 A. Lumini; J. Magalhães; P. 2008 G. Marino 2008 E. Marino 2008 E. Marino 2008 E. Marino 2008 J. Milne; E. G. Noble 2008 J. Mora-Rodriguez; J. Del Co 2008 P. Morton, D. P. Maclaren; P. 2008 J. Newell; J. Newell; S. Gran 2008 J. Newell; J. Newell; S. Gran 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. T. Martin; P. B. 2008 J. Quod; D. T. Martin; P. B. 2008 J. Rivera-Brown; F. A. Ra 2008 M. Rivera-Brown; F. A. Ra 2008 M. Rivera-Brown; F. A. Ra 2008 M. Rossi; W. Bolli; R. Star 2008 M. Rossi; W. Bolli; R. Star 2008 M. Rossi; W. Bolli; R. Star 2008	Differences in wearer response to garments for outdoor activity Intestinal barrier dysfunction, endotoxemia, and gastrointestinal symptoms: the 'canary in the coal Human thermoregulation and measurement of body temperature in exercise and clinical settings Effects of active and passive hyperthermia on heat shock protein 70 (HSP70) Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus Local differences in sweat secretion from the head during rest and exercise in the heat Gene expression profiling in human skeletal muscle during recovery from eccentric exercise Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Ergonomics I Med Sport Sci Ann Acad Med Singap Amino Acids Sports Med Eur J Appl Physiol Med Sport Sci Med Sport Sci Med Sport Sci Am J Physiol Regul Integr Med Sport Sci Am J Physiol Regul Integr Physiol Behav Med Sci Sports Exerc	Exclude	Yes Yes Yes - Yes Yes Yes Yes Yes	-	-	-	-	-		-	-
P. Lambert 2008 L. Lim; C. Byrne; J. K. Lee 2008 L. Lim; C. Byrne; J. K. Lee 2008 L. Lim; C. Byrne; J. K. Lee 2008 A. Lumini; J. Magalhäes; P. 2008 A. Lumini; J. Magalhäes; P. 2008 J. Mahoney; A. Safdar; G. I 2008 E. Marino 2008 E. Marino 2008 E. Marino 2008 D. McClung; J. D. Hasday; J. 2008 J. Milne; E. G. Noble 2008 H. Mortori, D. P. Maclaren; P. 2008 D. Nelson; L. A. Stuart-Hil 2008 Newell; J. Newell; S. Gran 2008 H. Noweir, A. O. Bafail; I. 2008 Panossian; G. Wikman 2008 Panossian; G. Wikman 2008 Pandopoulos; J. Doyle; J. 2008 Philippova; D. Ivanov; M. 2008 J. Quod; D. T. Martin; P. B. 2008 E. Rae; G. J. Knobel; T. M2 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rock; C. A. Witezak; L. 2008 M. Rossi; W. Bolli; R. Star 2008	Intestinal barrier dysfunction, endotoxemia, and gastrointestinal symptoms: the 'canary in the coal Human thermoregulation and measurement of body temperature in exercise and clinical settings Effects of active and passive hyperthermia on heat shock protein 70 (HSP70) Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus Local differences in sweat secretion from the head during rest and exercise in the heat Gene expression profiling in human skeletal muscle during recovery from eccentric exercise Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: exex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	I Med Sport Sci Ann Acad Med Singap Amino Acids Sports Med Eur J Appl Physiol Am J Physiol Regul Integr Med Sport Sci Med Sport Sci Am J Physiol Regul Integr Physiol Regul Integr Physiol Sehav Med Sci Sports Exerc	Exclude	Yes Yes Yes Yes Yes Yes	-	-	-	-	-	-	-	
L. Lim; C. Byrne; J. K. Lee 2008 Lovell; L. Madden; L. R. N. 2008 A. A. Lumini; J. Magalhäes; P. 2008 A. A. Lumini; J. Magalhäes; P. 2008 J. Mahoney; A. Safdar, G. 12008 E. Marino 2008 E. Marino 2008 P. McClung; J. D. Hasday; J. 2008 L. Merry; P. N. Ainslie; R. 12008 J. Mahoney; A. Safdar, G. 12008 P. McClung; J. D. Hasday; J. 2008 L. Merry; P. N. Ainslie; R. 12008 Mora-Rodriguez; J. Del Co. 2008 P. Morton; D. P. Maclaren; P. 2008 Mindel D. Nelson; L. A. Stuart-Hil 2008 J. Newell; J. Newell; S. Gran 2008 J. H. Noweir, A. O. Bafail; L. 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. Doyle; J. 2008 Philippova; D. Ivanov; M. 2008 J. J. Quod; D. T. Martin; P. B. 2008 M. Rivera-Brown; F. A. Ra. 2008 M. Rivera-Brown; F. A. Ra. 2008 S. Rockl; C. A. Witezaik; L. 2008 M. Rossi; W. Bolli; R. Star 2008 M. Rossi; W. Bolli; R. Star 2008 M. Rossi; W. Bolli; R. Star 2008	Human thermoregulation and measurement of body temperature in exercise and clinical settings Effects of active and passive hyperthermia on heat shock protein 70 (HSP70) Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus Local differences in sweat secretion from the head during rest and exercise in the heat Gene expression profiling in human skeletal muscle during recovery from eccentric exercise Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Ann Acad Med Singap Amino Acids Sports Med Eur J Appl Physiol Am J Physiol Regul Integr Med Sport Sci Med Sport Sci Am J Physiol Regul Integr Physiol Behav Med Sci Sports Exerc	Exclude Exclude Exclude Exclude Exclude Exclude Exclude Exclude	Yes - Yes Yes Yes	-	-	-	-				-
Lovell; L. Madden; L. R. N 2008 A. Lumini; J. Magalhäes; P. 2008 A. Machado-Moreira; F. Wi 2008 J. Mahoney; A. Safdar; G. 12008 E. Marino 2008 E. Marino 2008 J. Milne; D. Hasday; J. 2008 J. Milne; E. G. Noble J. Milne; D. P. Maclaren; N 2008 J. Milne; D. P. Maclaren; N 2008 J. Milne; D. P. Maclaren; N 2008 J. Mora-Rodriguez; J. Del Co 2008 J. Mora-Rodriguez; J. Del Co 2008 J. Newell; J. Newell; S. Gran 2008 J. Holpipova; D. Ivanov; M. 2008 Panossian; G. Wikman 2008 Panadopoulos; J. Doyle; J. 2008 Pihlippova; D. Ivanov; M. 2008 J. Quod; D. T. Martin; P. B. 2008 E. Rae; G. J. Knobel; T. Mi 2008 M. Rivera-Brown; F. A. Ra 2008 S. Röckl; C. A. Witczak; L. 2008 M. Rossi; W. Bolli; R. Star 2008 M. Rossi; W. Bolli; R. Star 2008	Effects of active and passive hyperthermia on heat shock protein 70 (HSP70) Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus Local differences in sweat secretion from the head during rest and exercise in the heat Gene expression profiling in human skeletal muscle during recovery from eccentric exercise Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Amino Acids Sports Med Eur J Appl Physiol Am J Physiol Regul Integr Med Sport Sci Med Sport Sci Am J Physiol Regul Integr Physiol Behav Med Sci Sports Exerc	Exclude Exclude Exclude Exclude Exclude Exclude Exclude	Yes Yes Yes	- - -	-			-	-	-	-
A. Lumini, J. Magalhūes; P. 2008 A. Machado-Moreira; F. Wi 2008 J. Mahoney; A. Safdar, G. 12008 E. Marino 2008 E. Marino 2008 E. Marino 2008 E. Marino 2008 J. Milne; B. O. Noble 2008 J. Milne; E. G. Noble 2008 J. Morra-Rodriguez; J. Del Co 2008 Mora-Rodriguez; J. Del Co 2008 Mora-Rodriguez; J. Del Co 2008 Mindel 2008 J. Newell; J. Newell; S. Gran 2008 I. Newell; J. Newell; S. Gran 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. T. Martin; P. B. 2008 J. Quod; D. T. Martin; P. B. 2008 J. Rae; G. J. Knobel; T. Mr. 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rockl; C. A. Witczak; L. 2008 M. Rossi; W. Bolli; R. Starı 2008 M. Rossi; W. Bolli; R. Starı 2008 M. Rossi; W. Bolli; R. Starı 2008	Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus Local differences in sweat secretion from the head during rest and exercise in the heat Gene expression profiling in human skeletal muscle during recovery from eccentric exercise Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Sports Med Eur J Appl Physiol Am J Physiol Regul Integr Med Sport Sci Med Sport Sci 2 Am J Physiol Regul Integr Physiol Behav Med Sci Sports Exerc	Exclude Exclude Exclude Exclude Exclude	Yes Yes	-	-	-	-	-	-	-	-
A. Machado-Moreira; F. W. 2008 J. Mahonory; A. Safdar; G. 1.2008 E. Marino 2008 E. Marino 2008 P. McClung; J. D. Hasday; J. 2008 L. Merry; P. N. Ainslie; R. 1.2008 L. Merry; P. N. Ainslie; R. 1.2008 J. Milne; E. G. Noble 2008 Mora-Rodriguez; J. Del Co. 2008 P. Morton; D. P. Maclaren; 1.2008 Mundel D. Nelson; L. A. Stuart-Hil 2008 J. Newell; J. Newell; S. Gran 2008 H. Noweir, A. O. Bafai; 1. 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; D. Ivanov; M. 2008 J. Quod; D. T. Martin; P. B. 2008 E. Rae; G. J. Knobel; T. Mr. 2008 M. Rivera-Brown; F. A. Ra. 2008 S. Rockl; C. A. Witzzak; L. 2008 M. Rossi; W. Bolli; R. Stan 2008	Local differences in sweat secretion from the head during rest and exercise in the heat Gene expression profiling in human skeletal muscle during recovery from eccentric exercise Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Eur J Appl Physiol Am J Physiol Regul Integr Med Sport Sci Med Sport Sci 2 Am J Physiol Regul Integr Physiol Behav Med Sci Sports Exerc	Exclude Exclude Exclude Exclude	Yes Yes	-		-	-	-	No	-	-
J. Mahoney; A. Safdar, G. 12008 E. Marino 2008 P. McClung; J. D. Hasday; J2008 L. Merry; P. N. Ainslie; R. 12008 J. Milne; E. G. Noble 2008 Mora-Rodriguez; J. Del Co 2008 Mora-Rodriguez; J. Del Co 2008 Mundel 2008 D. Nelson; L. A. Stuart-Hil 2008 Newell; J. Newell; S. Gran 2008 Newell; J. Newell; S. Gran 2008 Panossian; G. Wikman 2008 Panossian; G. Wikman 2008 Pihlippova; D. Ivanov; M. 2008 Philippova; D. Ivanov; M. 2008 E. Rae; G. J. Knobel; T. Mt 2008 M. Rivera-Brown; F. A. Ra 2008 S. Röckl; C. A. Witczak; L. 2008 M. Rossi; W. Bolli; R. Star 2008 M. Rossi; W. Bolli; R. Star 2008 M. Rossi; W. Bolli; R. Star 2008	Gene expression profiling in human skeletal muscle during recovery from eccentric exercise Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Am J Physiol Regul Integr Med Sport Sci Med Sport Sci 2 Am J Physiol Regul Integr Physiol Behav Med Sci Sports Exerc	Exclude Exclude Exclude	Yes	-	-	-	-	-	-	-	-
E. Marino 2008 E. Marino 2008 E. Marino 2008 P. McClung; J. D. Hasday; J. 2008 L. Merry; P. N. Ainslie; R. V2008 J. Milne; E. G. Noble 2008 J. Milne; E. G. Noble 2008 J. Milne; E. G. Noble 2008 D. Mora-Rodriguez; J. Del Co 2008 D. Nelson; L. A. Stuart-Hil 2008 D. Nelson; L. A. Stuart-Hil 2008 D. Nelson; L. A. Stuart-Hil 2008 D. Newell; J. Newell; S. Gran 2008 D. Newell; J. Newell; S. Gran 2008 D. Panossian; G. Wikman 2008 Panadopoulos; J. Doyle; J. 2008 Philippova; D. Ivanov; M. 2008 D. Quod; D. T. Martin; P. B. 2008 E. Rae; G. J. Knobel; T. Mi 2008 M. Rivera-Brown; F. A. Ra 2008 S. Roček!, C. A. Witczak; L. 2008 R. Rome; D. Jiménez-Pavón; 2008 M. Rossi; W. Bolli; R. Stan 2008	Comparative thermoregulation and the quest for athletic supremacy The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Med Sport Sci Med Sport Sci 2 Am J Physiol Regul Integr Physiol Behav Med Sci Sports Exerc	Exclude Exclude			-	-	-	-	-		-
E. Marino 2008 P. McClung, J. D. Hasday, J. 2008 J. Milne; E. G. Noble 2008 J. Milne; E. G. Noble 2008 J. Milne; E. G. Noble 2008 Mora-Rodriguez; J. Del Co 2008 P. Morton; D. P. Maclaren; 2 2008 D. Nelson; L. A. Stuart-Hil 2008 D. Nelson; L. A. Stuart-Hil 2008 D. Nelson; L. A. Stuart-Hil 2008 H. Noweir, A. O. Bafail; I. 2008 Panaossian; G. Wikman 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; D. I. Vanov; M. 2008 J. Quod; D. T. Martin; P. B 2008 E. Rae; G. J. Knobel; T. Mr. 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rockl; C. A. Witczak; L. 2008 M. Rossi; W. Bolli; R. Star 2008 M. Rossi; W. Bolli; R. Star 2008	The evolutionary basis of thermoregulation and exercise performance Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Med Sport Sci 2 Am J Physiol Regul Integr Physiol Behav Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
P. McClung; J. D. Hasday; J. 2008 L. Merry; P. N. Ainslie; R. V. 2008 J. Milne; E. G. Noble Mora-Rodriguez; J. Del Co. 2008 P. Morton; D. P. Maclaren; P. 2008 Mündel 2008 D. Nelson; L. A. Stuar-Hil 2008 Newell; J. Newell; S. Gran 2008 H. Noweir, A. O. Bafaii; I. 2008 Papanossian; G. Wikman 2008 Papadopoulos; J. Doyle; J. 2008 S. Rocki, C. A. Witczak; L. 2008 M. Rivera-Brown; F. A. Ra 2008 M. Rivera-Brown; F. A. Ra 2008 M. Rossi; W. Bolli; R. Stan 2008 M. Rossi; W. Bolli; R. Stan 2008	Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72 Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	2 Am J Physiol Regul Integr Physiol Behav Med Sci Sports Exerc			No	-	-	-	-	-		-
L. Merry; P. N. Ainslie; R. \ 2008 J. Milne; E. G. Noble 2008 Mora-Rodriguez; J. Del Co 2008 P. Morton; D. P. Maclaren; \ 2008 2008	Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Physiol Behav Med Sci Sports Exerc	Employ 1:	Yes	No	-	-	-	-	- No	-	-
J. Milne; E. G. Noble 2008 1 Mora-Rodriguez; J. Del Co 2008 7 Morton; D. P. Maclaren; \$2008 1 Mundel 2008 1 D. Nelson; L. A. Stuart-Hil 2008 1 D. Nelson; L. A. Stuart-Hil 2008 1 D. Newell; J. Newell; S. Gran 2008 1 D. Newell; J. Newell; L. 2008 1 D. Newell; J. Newell; L. 2008 1 D. Newell; J. 1 D. Newell; J. 2008 1 D. Newel	Response of the myocardium to exercise: sex-specific regulation of hsp70 Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	No	-	-
Mora-Rodriguez; J. Del Co 2008 P. Morton; D. P. Maclaren; † 2008 Mundel D. Nelson; I. A. Stuart-Hil 2008 D. Newell; J. Newell; S. Gran 2008 H. Noweir, A. O. Bafail; 1, 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. Doyle; J. 2008 Papilippova; D. Ivanov; M. 2008 D. Hulippova; D. Ivanov; M. 2008 E. Rae; G. J. Knobel; T. M; 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rockl; C. A. Witczak; L. 2008 M. Rossi; W. Bolli; R. Stan 2008 M. Rossi; W. Bolli; R. Stan 2008	Thermoregulatory responses to constant versus variable-intensity exercise in the heat Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism		Exclude	Yes	-	-	-	-	-	-	-	-
P. Morton; D. P. Maclaren; 2008 Mundel 2008 D. Nelson; L. A. Stuart-Hil 2008 J. Newell; J. Newell; S. Gran 2008 H. Noweir, A. O. Bafail; I. 2008 Panossian; G. Wikman 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. Doyle; J. 2008 J. Quod; D. T. Martin; P. B 2008 E. Rae; G. J. Knobel; T. Mt 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rockl; C. A. Witczak; L. 2008 M. Rossi; W. Bolli; R. Star 2008 M. Rossi; W. Bolli; R. Star 2008	Trained men display increased basal heat shock protein content of skeletal muscle Exercise heat stress and metabolism	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Mündel 2008 1 D. Nelson; L. A. Stuart-Hii 2008 1 Newell; J. Newell; S. Gran 2008 1 Newell; J. Newell; S. Gran 2008 1 Newell; A. O. Bafail; I. 2008 1 Panaossian; G. Wikman 2008 1 Papadopoulos; J. Doyle; J. 2008 1 Philippova; D. Ivanov; M. 2008 1 D. Quod; D. T. Martin; P. B. 2008 1 D. Quod; D. T. Martin; P. B. 2008 1 D. Reich, J. Knobel; T. M. 2008 1 D. Rockl; C. A. Witczak; L. 2008 1 D. Rockl; C. A. Witczak; L. 2008 1 D. Rockl; C. A. Witczak; L. 2008 1 D. M. Rossi; W. Bolli; R. Stan 2008 1 D. Ro	Exercise heat stress and metabolism		Exclude	Yes		-	-		-	-		-
D. Nelson; L. A. Stuart-Hil 2008 Newell; J. Newell; S. Gran 2008 H. Noweir; A. O. Bafail; I. 2008 Panossian; G. Wikman 2008 Papadopoulos; J. Doyle; J. 2008 Papadopoulos; J. Doyle; J. 2008 Philippova; D. Ivanov; M. 2008 J. Quod; D. T. Martin; P. B 2008 E. Rae; G. J. Knobel; T. M2 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rockl; C. A. Witczak; L. 2008 Rome; O. J. Jimenez-Pavón; 2008 M. Rossi; W. Bolli; R. Stan 2008		Med Sport Sci	Exclude	Yes	No					-		-
Newell; J. Newell; S. Gran 2008 H. Noweir; A. O. Bafai; I. 2008 Panossian; G. Wikman 2008 Papadopoulos; J. Doyle; J. 2008 Philippova; D. Ivanov; M. 2008 J. Quod; D. T. Martin; P. B 2008 E. Rae; G. J. Knobel; T. M2 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rocki; C. A. Witczak; L. 2008 M. Rossi; W. Bolli; R. Stan 2008	Hypervolemia and blood alkalinity: effect on physiological strain in a warm environment	Int J Sports Physiol Perfor		Yes	-						-	
H. Noweir, A. O. Bafail; I. 2008 Panossian; G. Wikman 2008 Papadopoulos; J. Doyle; J. 2008 Philippova; D. Ivanov; M. 2008 J. Quod; D. T. Martin; P. B 2008 E. Rae; G. J. Knobel; T. M; 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rockl; C. A. Witezak; L. 2008 M. Rossi; W. Bolli; R. Stan 2008		Ir Med J	Exclude	Yes							-	
Panossian; G. Wikman 2008 Papadopoulos; J. Doyle; J. 2008 Philippova; D. Ivanov; M. 2008 J. Quod; D. T. Martin; P. B. 2008 E. Rae; G. J. Knobel; T. M; 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rockl; C. A. Witczak; L. 2008 Komeo; D. Jiménez-Pavón; 2008 M. Rossi; W. Bolli; R. Stan 2008			Exclude	-	No					No		
Papadopoulos; J. Doyle; J. 2008 Philippova; D. Ivanov; M. 2008 J. Quod; D. T. Martin; P. B. 2008 E. Rae; G. J. Knobel; T. Mr. 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rocki; C. A. Witezak; L. 2008 comeo; D. Jiménez-Pavón; 2008 M. Rossi; W. Bolli; R. Stan 2008	Pharmacology of Schisandra chinensis Bail.: an overview of Russian research and uses in medicir		Exclude	Yes	-		-	_	-	-	-	-
Philippova; D. Ivanov; M. 2008 J. Quod; D. T. Martin; P. B 2008 E. Rae; G. J. Knobel; T. Mr 2008 M. Rivera-Brown; F. A. Ra 2008 S. Rockl; C. A. Witezak; L. 2008 S. Rockl; C. A. Witezak; U. 2008 M. Rossi; W. Bolli; R. Stan 2008	0.	J Sports Med Phys Fitness		Yes	-	-	-	_	_	-	_	-
J. Quod; D. T. Martin; P. B 2008 E. Rae; G. J. Knobel; T. M; 2008 M. Rivera-Brown; F. A. Ra 2008 S. Ročkl; C. A. Witezak; L. 2008 Someo; D. Jiménez-Pavón; 2008 M. Rossi; W. Bolli; R. Stan 2008	Identification of proteins associating with glycosylphosphatidylinositol- anchored T-cadherin on t		Exclude	Yes	-	-	-	-	-			-
E. Rae; G. J. Knobel; T. M; 2008 M. Rivera-Brown; F. A. Ra 2008 S. Röckl; C. A. Witczak; L. 2008 Romeo; D. Jiménez-Pavón; 2008 M. Rossi; W. Bolli; R. Stan 2008		J Sports Sci	Exclude	Yes	-	-	-	-	-			-
S. Röckl; C. A. Witczak; L. 2008 Romeo; D. Jiménez-Pavón; 2008 M. Rossi; W. Bolli; R. Stär 2008		Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Romeo; D. Jiménez-Pavón; 2008 M. Rossi; W. Bolli; R. Stän 2008	Voluntary drinking and hydration in trained, heat-acclimatized girls exercising in a hot and humid		Exclude	-	No	-	-	-	-	No	-	-
M. Rossi; W. Bolli; R. Stän 2008	Signaling mechanisms in skeletal muscle: acute responses and chronic adaptations to exercise	IUBMB Life	Exclude	Yes	-	-	-	-	-	-	-	-
	Immunological changes after a single bout of moderate-intensity exercise in a hot environment	J Physiol Biochem	Exclude	Yes	-	-	-	-	-	-		-
Rothmaier; M. Weder; A. N 2008	Performance of firefighters' protective clothing after heat exposure	Int J Occup Saf Ergon	Exclude	Yes	-	-	-	-	-	-	-	-
	Design and performance of personal cooling garments based on three-layer laminates	Med Biol Eng Comput	Exclude	Yes	-	-	-	-	-	-	-	-
Rowland; S. Hagenbuch; D 2008	Exercise tolerance and thermoregulatory responses during cycling in boys and men	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
. E. Sandström; J. C. Siegler 2008	The effect of 15 consecutive days of heat-exercise acclimation on heat shock protein 70	Cell Stress Chaperones	Exclude	-	-	-	-	-	-	No	-	-
		Eur J Vasc Endovasc Surg	Exclude	Yes	-	-	-	-	-	-	-	-
	Differential neuroprotective properties of endogenous and exogenous erythropoietin in a mouse m		Exclude	Yes	-	-	-	-	-	-	-	-
		Med Hypotheses	Exclude	Yes	-	-	-	-	-	-	-	-
		11 /	Exclude	Yes	-	-	-	-	-	-	-	-
		Br J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
	Differential heat shock protein responses to strenuous standardized exercise in chronic fatigue syn		Exclude	Yes	-	-	-	-	-	-		-
			Exclude	Yes	-	-	-	-	-	•		-
	Repeated waon therapy improves pulmonary hypertension during exercise in patients with severe		Exclude	Yes	-	-	-	-	-	-	-	-
-		J Burn Care Res	Exclude	-	No	-	-	-	No	No	-	-
			Exclude	Yes	-	-	-	-	-	-	-	-
			Exclude	Yes	-	-	-	-	-	-	-	-
	Skeletal muscle adaptation and performance responses to once a day versus twice every second day Catecholamines and the effects of exercise, training and gender	Sports Med	Exclude Exclude	Yes Yes	-	-	-	-	-	-	-	-
		-		1 es	Vac	Vac	Vac	Vac	Vac	Vac	Vac	Vac
,		Int J Sports Med Eur J Appl Physiol	Include Include		Yes Yes	Yes Yes	Yes Yes	Yes	Yes Yes	Yes Yes		Yes Yes
			Exclude	Yes	1 05	1 03	1 05	1 05	1 05	103	1 03	1 03
		Med Eng Phys	Exclude	Yes		Ť.	-	1	1	-	-	-
		Sports Med	Exclude	Yes	No	i.	-	1.	-	_	-	-
	Ventilated vest and tolerance for intermittent exercise in hot, dry conditions with military clothing			Yes	-	-	-	-	-	_	-	-
	Safety, acceptance, and physiologic effects of sauna bathing in people with chronic heart failure: a		Exclude	-	No	_	_	-	No	No		-
					Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
F. Bergeron 2009	Adaptation of exercise ventilation during an actively-induced hyperthermia following passive hea	Sports Med	Exclude	Yes	-	-	-	-	-	-		-

											= time trial, time to exhaustion, race pe		
			ъ.		D () C					**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	æ.
						inclusion/exclus							
Author	Year	Title Journal	Inch exch		Irrelevant / off topic?	f- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
M. J. Buono; T. R. Nur		Is active sweating during heat acclimation required for improvements in peripheral sweat gland fu Am J Physiol R	egul Integr Excl	lude	-	-	-	-	-	-	No	-	-
J. G. Burniston	2009	Adaptation of the rat cardiac proteome in response to intensity-controlled endurance exercise Proteomics	Excl	lude	Yes	-	-	-	-	-	-	-	-
F. Chekov Iu	2009	[Life support of the Mars exploration crew. Control of a zeolite system for carbon dioxide remova Aviakosm Ekolo	-		Yes	-	-	-	-	-	-	-	-
K. S. Cheng; Y. Yuan;		The performance of a reduced-order adaptive controller when used in multi-antenna hyperthermia Phys Med Biol	Excl		Yes	-	-	-	-	-	-	-	-
V. G. Coffey; B. Jemio		Effect of consecutive repeated sprint and resistance exercise bouts on acute adaptive responses in Am J Physiol R			Yes	-	-	-	-	-	-	-	-
E. E. Coris; S. Mehra;		Gastrointestinal temperature trends in football linemen during physical exertion under heat stress South Med J	Excl		Yes	-	-	-	-	-	-	-	-
J. Del Coso; E. Esteve:		Caffeine during exercise in the heat: thermoregulation and fluid-electrolyte balance Med Sci Sports	Ester		Yes	-	-	-	-	-	-	-	-
M. Del Sal; E. Barbier		Physiologic responses of firefighter recruits during a supervised live-fire work performance test J Strength Cond			Yes	-	-	-	-	-	-	-	-
K. A. Dougherty; M. C		Responses of lean and obese boys to repeated summer exercise in the heat bouts Med Sci Sports			-	-	-	-	-	No	No	-	-
C. J. Edmonds; B. Jeff		Does having a drink help you think? 6-7-Year-old children show improvements in cognitive perfo Appetite	Excl		Yes	-	-	-	-	-	-	-	-
M. D. Ferrer; P. Tauler	,	Antioxidant regulatory mechanisms in neutrophils and lymphocytes after intense exercise J Sports Sci	Excl		Yes	-	-	-	-	-	-	-	-
A. T. Garrett; N. G. Go P. Germonpré; J. M. Po		Induction and decay of short-term heat acclimation Eur J Appl Phys Produce vibration offset on bubble formation after a 20 m dive requiring a decompression step. Aviet Space En			- Vac	-	-	-	-	-	No		-
P. Germonpre; J. M. Po F. B. Gillison; S. M. Sl		Pre-dive vibration effect on bubble formation after a 30-m dive requiring a decompression stop Aviat Space Em The effects of exercise interventions on quality of life in clinical and healthy populations; a meta-l Soc Sci Med	rron Med Excl		Yes Yes	-	-	-	-	-	-	- -	-
P. C. Guess; J. R. Strub	-	All-ceramic partial coverage restorations—midterm results of a 5-year prospective clinical splitmo J Dent				-	-	-	-	-	-	-	-
M S Harkins	2009	Exercise regulates heat shock proteins and nitric oxide Exercise regulates heat shock proteins and nitric oxide	Rev Excl		Yes Yes	-	-	-	-	-	-	-	-
M. Hedreville: P. Conr		Central retinal vein occlusion in a sickle cell trait carrier after a cycling race Med Sci Sports			Yes			-		-	-		-
R. M. Hobson; E. L. C	,	Exercise capacity in the heat is greater in the morning than in the evening in man Med Sci Sports			Yes	-				-			
R. L. Hwang; T. P. Lin		Investigating the adaptive model of thermal comfort for naturally ventilated school buildings in Ta Int J Biometeor			Yes							+	-
O. Jay; G. P. Kenny	2009	Current evidence does not support an anticipatory regulation of exercise intensity mediated by rati J Appl Physiol (Yes							-	1
G. Jendritzky; B. Tinz	2009	The thermal environment of the human being on the global scale Glob Health Ac			Yes		-	_	-	_			
G. Kacerovsky-Bielesa		Short-term exercise training does not stimulate skeletal muscle ATP synthesis in relatives of huma Diabetes	Excl		Yes	-	-	-	-	-	-		-
Γ. Kallinich; R. Keitze		Exercise-induced hyperthermia in childhood: a case report and pilot study Acta Paediatr	Excl		Yes	-	-	-	-	-	-		-
A. N. Kavazis	2009	Exercise preconditioning of the myocardium Sports Med	Excl		Yes	-	-	-	-	_	-		
R. W. Kenefick; B. R.	Ely; S. 12009	Prior heat stress: effect on subsequent 15-min time trial performance in the heat Med Sci Sports			-	-	-	-	-	-	No	-	-
N. A. Kenny; J. S. War	rland; R 2009	Part A: Assessing the performance of the COMFA outdoor thermal comfort model on subjects per Int J Biometeor			Yes	-	-	-	-	-	-	-	-
J. C. Launay; G. Savou	urey 2009	Cold adaptations Ind Health	Excl		Yes	-	-	-	-	-	-	-	-
H. Liang; B. Balas; P.	Tantiwo 2009	Whole body overexpression of PGC-1alpha has opposite effects on hepatic and muscle insulin ser Am J Physiol E	ndocrinol ! Excl	lude	Yes	-	-	-	-	-	-	-	-
S. M. Marcora	2009	The rate of heat storage is not a sensed variable that influences exercise performance J Appl Physiol (1985) Excl	lude	Yes	No	-	-	-	-	-	-	-
F. E. Marino	2009	Self-paced endurance performance in the heat is explained by anticipatory regulation J Appl Physiol (1985) Excl	lude	Yes	No	-	-	-	-	-	-	-
F. Z. Marques; M. A. M	Markus; 2009	Hormesis as a pro-healthy aging intervention in human beings?	Excl	lude	Yes	-	-	-	-	-	-	-	-
M. F. McCarty; J. Barr	roso-Ara 2009	Regular thermal therapy may promote insulin sensitivity while boosting expression of endothelial Med Hypothese	s Excl	lude	Yes	-	-	-	-	-	-	-	-
J. P. Morton; L. Croft;	J. D. Ba 2009	Reduced carbohydrate availability does not modulate training-induced heat shock protein adaptati J Appl Physiol (1985) Excl	lude	Yes	-	-	-	-	-	-	-	-
J. P. Morton; K. Hollov		Exercise training-induced gender-specific heat shock protein adaptations in human skeletal muscle Muscle Nerve	Excl	lude	Yes	-	-	-	-	-	-	-	-
J. P. Morton; A. C. Kay		The exercise-induced stress response of skeletal muscle, with specific emphasis on humans Sports Med	Excl		Yes	-	-	-	-	-	-	-	-
L. Nybo	2009	Self-paced endurance performance in the heat is explained by anticipatory regulation J Appl Physiol (Yes	No	-	-	-	-	-	-	-
P. O'Connor; D. Hyde;		Torso heating of divers in cold water Aviat Space Em			Yes	-	-	-	-	-	-	-	-
K. Okazaki; M. Goto;		Protein and carbohydrate supplementation increases aerobic and thermoregulatory capacities J Physiol	Excl		Yes	-	-	-	-	-	-	-	-
K. Okazaki; T. Ichinos	.,	Impact of protein and carbohydrate supplementation on plasma volume expansion and thermoregi J Appl Physiol (Yes	- N.	-	-	-	-	-	-	-
M. L. Pall	2009	Do sauna therapy and exercise act by raising the availability of tetrahydrobiopterin? Med Hypothese The physicleological officers of the quest and midward cooling during intermittent running in the leaf Anal Physical N			- Vac	No	-	-	-	-	No	-	-
M. J. Price; C. Boyd; V D. B. Pyne; I. Mujika;		The physiological effects of pre-event and midevent cooling during intermittent running in the het Appl Physiol No Peaking for optimal performance: Research limitations and future directions J Sports Sci	Excl		Yes Yes	-	-	-	-	-	-	-	-
D. B. Pyne; I. Mujika; S. Radaković; J. Marić					1 08	No	No	-	-	-	No.	+	-
s. Radakovic; J. Maric J. P. Raynaud; M. Aug		[Influence of acclimatization on serum enzyme changes in soldiers during exertional heat stress] Vojnosanit Preg Adhesiveness of a new testosterone-in-adhesive matrix patch after extreme conditions Int J Pharm	l Excl		- Yes	No	No	-	-	-	No	-	-
W. J. Rea; Y. Pan; B. C		The treatment of patients with mycotoxin-induced disease Toxicol Ind Hea			Yes	-[-			-			-
3. Roelands; M. Goek		Time trial performance in normal and high ambient temperature: is there a role for 5-HT? Eur J Appl Phys			Yes		1.	1.		T.	-	+	-
 Roelands; H. Haseg 		Performance and thermoregulatory effects of chronic bupropion administration in the heat Eur J Appl Phys			Yes	-E	1	i i		T.	_	-	-
G. Rosen; P. Hasler; M		Implementation of a Hebbian chemoreceptor model for diffusive source localization Biosystems	Excl		Yes	-	-	-	-	_	-	_	-
I. R. Sandrow-Feinbe		Forced exercise as a rehabilitation strategy after unilateral cervical spinal cord contusion injury J Neurotrauma	Excl		Yes	-	-	-	-	_	_	_	-
V. K. Singh; P. Vats; S.		Body composition & cardiovascular functions in healthy males acclimatized to desert & high altit Indian J Med Re				No	-	-	-	-	No	-	-
V. L. Stakhursky; O. A		Real-time MRI-guided hyperthermia treatment using a fast adaptive algorithm Phys Med Biol	Excl		Yes	-	-	-	-	-	-	-	-
N. T. Van Duijnhoven;		Effect of functional electrostimulation on impaired skin vasodilator responses to local heating in s J Appl Physiol (Yes	-	-	-	-	-	-	-	-
K. Vissing; M. L. Baye		Heat shock protein translocation and expression response is attenuated in response to repeated ecc Acta Physiol (O			Yes	-	-	-	-	-	-	-	-
K. A. Vuori; J. K. Ahls		TransLISA, a novel quantitative, nonradioactive assay for transcription factor DNA-binding analy Febs j	Excl		Yes	-	-	-	-	-	-	-	-
Actrn	2009	Health and Unflued Gas Heaters Study: the Impact of Unflued Low NOx Gas Heaters on Lung Fu			Yes	-	-	-	-	-	-	-	-
Beck: F. Gillison: M		A theoretical investigation of the development of physical activity habits in retirement Br J Health Psy			Yes		-	_	-			1-	

									*Performance/capacity	= time trial, time to exhaustion, race po	erformance, VO2max, economy/efficiency,	or lactate threshold.
			Danisian	D(-) 6					**Physiology during ex	tercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercise	ie.
Author Yea	Title	Journal	Decision Include or exclude?		r inclusion/exclus ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
A. Betts; C. Williams 201	Short-term recovery from prolonged exercise: exploring the potential for protein ingestion to access	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
P. Blondin; I. Dépault; P. In 201	Effects of two glucose ingestion rates on substrate utilization during moderate-intensity shivering	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Brazaitis; A. Skurvydas 201	Heat acclimation does not reduce the impact of hyperthermia on central fatigue	Eur J Appl Physiol	Exclude	-	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Brerro-Saby; S. Delliaux; J 201	Combination of two oxidant stressors suppresses the oxidative stress and enhances the heat shock		Exclude	Yes	-	-	-	-	-	-	-	-
Calabrese; C. Cornelius; A. 201	Cellular stress responses, mitostress and carnitine insufficiencies as critical determinants in aging		Exclude	Yes	-	-	-	-	-	-	-	-
. Charkoudian 201	Mechanisms and modifiers of reflex induced cutaneous vasodilation and vasoconstriction in huma		Exclude	Yes	-	-	-	-	-	-	-	-
S. Cheung 201	Interconnections between thermal perception and exercise capacity in the heat	Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-	•	•	-
S. Cheung; S. R. Petersen; 201	Physiological strain and countermeasures with firefighting	Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
J. Cochran; J. P. Little; M. 201	Carbohydrate feeding during recovery alters the skeletal muscle metabolic response to repeated so		Exclude	Yes	-	-	-	-	-	-	-	-
. Crowe; L. Whitehead; M. J 201	Self-management and chronic low back pain: a qualitative study	J Adv Nurs	Exclude	Yes	-	-	-	-	-	-	-	-
Dewhurst; A. Macaluso; L. 201		Eur J Appl Physiol	Exclude	Yes	-	-	-	-	- N.	- XI.	-	-
A. Dougherty; M. Chow; W 201 P. Dugas 201	Critical environmental limits for exercising heat-acclimated lean and obese boys	Eur J Appl Physiol	Exclude	-	No.	-	-	-	No	No No	-	-
P. Dugas 201 E. Folk 201	How hot is too hot?: Some considerations regarding temperature and performance The Harvard Fatigue Laboratory: contributions to World War II	Int J Sports Physiol Perfo Adv Physiol Educ	Exclude	Yes	No	-	-	-	-	INO	-	-
Gempp; J. E. Blatteau 201	Preconditioning methods and mechanisms for preventing the risk of decompression sickness in sc	2	Exclude	Yes	-	-	-	-	-	-	-	-
. Goto; K. Okazaki; Y. Kami 201	Protein and carbohydrate supplementation during 5-day aerobic training enhanced plasma volume		Exclude	Yes	-	-	-	-	-	-	-	-
S. Grebenyuk; T. V. Stupnik 201	Long-term exercises increase the concentration of HspBP1, a co-chaperone of 70-KDa heat shock	11 2	Exclude	Yes						-	-	-
J. Green; H. H. Carter; M. (201	Obligatory role of hyperaemia and shear stress in microvascular adaptation to repeated heating in		Exclude	Yes							-	-
Günendi; A. Sepici Dinçel; 201	Does exercise affect the antioxidant system in patients with ankylosing spondylitis?	Clin Rheumatol	Exclude	Yes			-			-	-	
Handschin 201	Regulation of skeletal muscle cell plasticity by the peroxisome proliferator-activated receptor γ co			Yes			-			-	-	
Harrington; G. Taylor; S. H 201	A community-based exercise and education scheme for stroke survivors: a randomized controlled		Exclude	Yes		-				-	-	
D. Hayes; C. I. Morse 201	The effects of progressive dehydration on strength and power: is there a dose response?	Eur J Appl Physiol	Exclude	Yes	-	-		-			-	
. Horowitz; E. Kodesh 201	Molecular signals that shape the integrative responses of the heat-acclimated phenotype	Med Sci Sports Exerc	Exclude	-	No					No		
M Johnson 201	Exercise in a hot environment: the skin circulation	Scand J Med Sci Sports	Exclude		No	-				No	-	
R. Konopka; M. D. Dougla 201	Molecular adaptations to aerobic exercise training in skeletal muscle of older women	J Gerontol A Biol Sci Me		Yes	-	-	-	-	-	-	_	-
N. Kounalakis; P. G. Botoni 201	The effect of menthol application to the skin on sweating rate response during exercise in swimm		Exclude	Yes	-	-	-	-	-			
A. Lira; C. R. Benton; Z. Ya 201	PGC-1alpha regulation by exercise training and its influences on muscle function and insulin sens			Yes	-	-	-	-	-	-	-	-
P. Little; A. Safdar; G. P. Wi 201	A practical model of low-volume high-intensity interval training induces mitochondrial biogenesi		Exclude	Yes	-	-	-	-	-	-	-	-
Lorenzo; J. R. Halliwill; M. 201	Heat acclimation improves exercise performance	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
Lorenzo; C. T. Minson 201	Heat acclimation improves cutaneous vascular function and sweating in trained cyclists	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
C. Magalhães; R. L. Passos; 201	Thermoregulatory efficiency is increased after heat acclimation in tropical natives	J Physiol Anthropol	Exclude	-	No	-	-	-	-	No	-	-
. Magalhães Fde; F. T. Amor 201	Heat and exercise acclimation increases intracellular levels of Hsp72 and inhibits exercise-induce	Cell Stress Chaperones	Exclude	-	-	-	-	-	-	No	-	-
. Malan; B. Dawson; C. Goc 201	Effect of heat exposure on thermoregulation and hockey-specific response time in field hockey go	J Sci Med Sport	Exclude	-	-	-	-	-	-	No	-	-
. J. Maughan 201	Distance running in hot environments: a thermal challenge to the elite runner	Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
J. Maughan; S. M. Shirreffs 201	Living, training and playing in the heat: challenges to the football player and strategies for coping		Exclude	Yes	-	-	-	-	-	-	-	-
Michel; P. M. Vanhoutte 201	Cellular signaling and NO production	Pflugers Arch	Exclude	Yes	-	-	-	-	-	-	-	-
Mohr; I. Mujika; J. Santist 201	Examination of fatigue development in elite soccer in a hot environment: a multi-experimental ap		Exclude	Yes	-	-	-	-	-	-	-	-
Mündel; D. A. Jones 201	The effects of swilling an L(-)-menthol solution during exercise in the heat	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
D. Nelson; M. J. Haykows 201		J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
B. Nordsborg; C. Lundby; 201 Nybo 201	Relative workload determines exercise-induced increases in PGC-1alpha mRNA	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
	Cycling in the heat: performance perspectives and cerebral challenges	Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
Olesen; K. Kiilerich; H. Pile 201	PGC-1alpha-mediated adaptations in skeletal muscle	Pflugers Arch	Exclude	Yes	-	-	-	-	-	-	-	-
L. Osterberg; S. E. Pallardy 201		J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
T. Ozgünen; S. S. Kurdak; 201 Panossian; G. Wikman; J. S 201	Effect of hot environmental conditions on physical activity patterns and temperature response of the Rosenroot (Rhodiola rosea): traditional use, chemical composition, pharmacology and clinical eff		Exclude Exclude	Yes Yes	-	-	-	-	-	-	-	-
J. Patterson; L. Zhang 201	Hypoxia and fetal heart development	Curr Mol Med	Exclude	Yes	-[-	-	-				
L. Persiianova-Dubrova; N 201	[Spa-based water procedures and complications in the course of their performance]	Vopr Kurortol Fizioter L		Yes		-			-	-	-	-
J. Petersen; M. R. Portus; E 201	Partial heat acclimation in cricketers using a 4-day high intensity cycling protocol	Int J Sports Physiol Perfe		1 05	-[1	1		1	- No	-	-
C. Ping; C. C. Keong; A. B 201	Effects of acute supplementation of caffeine on cardiorespiratory responses during endurance run		Exclude	Yes		-	-	-	-	-		-
O. Pörtner 201			Exclude	Yes		-	i.	-	T.	_	-	_
Psilander; L. Wang; J. West 201	Mitochondrial gene expression in elite cyclists: effects of high-intensity interval exercise	Eur J Appl Physiol	Exclude	Yes	-	-	-		-	_	_	-
Racinais 201	Different effects of heat exposure upon exercise performance in the morning and afternoon	Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	_	_
Racinais; J. Oksa 201	Temperature and neuromuscular function	Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	_	_	_	_
Reed; R. Harrington; A. D. 201	1		Exclude	Yes	-	-	-	-	-	-	_	-
O. Roberts 201	Determining a do not start" temperature for a marathon on the basis of adverse outcomes"	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	_	-
M. Shirreffs 201		Scand J Med Sci Sports	Exclude	Yes								

										= time trial, time to exhaustion, race pe		
			Dogicion	Paggan(s) fo	or inclusion/exclus	ion			**Physiology during ex	sercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exerci-	e.
author	Year	Title Journal	Decision Include or exclude?		off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
										consecutive days?		
Stapleton; D. Gagno		Short-term exercise training does not improve whole-body heat loss when rate of metabolic heat p Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Stokes; D. Sykes		Brief, high intensity exercise alters serum ghrelin and growth hormone concentrations but not IGF Growth Horm IGF Res	Exclude	Yes	-	-	-	-	-	-	-	-
Summermatter; O. I		Peroxisome proliferator-activated receptor {gamma} coactivator 1{alpha} (PGC-1{alpha}) promo J Biol Chem	Exclude	Yes	-	-	-	-	-	-	-	-
Taylor; A. W. Midg		The effect of acute hypoxia on heat shock protein 72 expression and oxidative stress in vivo Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Valdes; T. Marik	2010	A systematic review of conservative interventions for osteoarthritis of the hand J Hand Ther	Exclude	Yes	-	-	-	-	-	-	-	-
A. Westphal; R. D.		Managing diabetes in the heat: potential issues and concerns Endocr Pract	Exclude	Yes	-	-	-	-	-	-	-	-
Wilk; B. W. Timmo		Voluntary fluid intake, hydration status, and aerobic performance of adolescent athletes in the hea Appl Physiol Nutr Meta	b Exclude	-	-	-	-	-	No	No	-	-
W. Yeargin; D. J. Ca		Thermoregulatory responses and hydration practices in heat-acclimatized adolescents during press J Athl Train	Exclude	-	-	-	-	-	No	No	-	-
rn	2010	Agouti-related peptide (AgRP) in well trained wrestlers http://www.who.int/trial	se Exclude	Yes	-	-	-	-	-	-	-	-
Amorim; P. Yamada	; R. Rol 2011	Effects of whole-body heat acclimation on cell injury and cytokine responses in peripheral blood Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
R. Bain; O. Jay	2011	Does summer in a humid continental climate elicit an acclimatization of human thermoregulatory Eur J Appl Physiol	Exclude	-	No	-	-	-	-	No	-	-
Bandyopadhyay; F.		Effects of acute supplementation of caffeine and Panax ginseng on endurance running performanc J Hum Ergol (Tokyo)	Exclude	Yes	-	-	-	-	-	-	-	-
Buchheit; C. Horol		Effects of age and spa treatment on match running performance over two consecutive games in hi J Sports Sci	Exclude	-	-	-	-	-	-	No	-	-
Buchheit; S. C. Vos	- 1	Physiological and performance adaptations to an in-season soccer camp in the heat: associations v Scand J Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
Castle; R. W. Macke		Heat acclimation improves intermittent sprinting in the heat but additional pre-cooling offers no fi J Sports Sci	Exclude	-	-	-	-	-	-	No	-	-
J. Cathcart; S. R. M	furgatro 2011	Combined carbohydrate-protein supplementation improves competitive endurance exercise perfor Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
O. Coso; N. Hamou	ti; J. F. (2011	Relevance of individual characteristics for thermoregulation during exercise in a hot-dry environn Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
A. Daanen; A. G. Jo	onkman; 2011	Optimising the acquisition and retention of heat acclimation	Exclude	-	-	-	-	-	-	No	-	-
Oolan; H. O'Conno	r; A. Mc 2011	Nutritional, lifestyle, and weight control practices of professional jockeys J Sports Sci	Exclude	Yes	-	-	-	-	-	-	-	-
S. Elrobh; M. S. Al	lanazi; V 2011	Molecular cloning and characterization of cDNA encoding a putative stress-induced heat-shock pt Int J Mol Sci	Exclude	Yes	-	-	-	-	-	-	-	-
R. Ely; S. N. Cheuv	vront; R. 2011	Limitations of salivary osmolality as a marker of hydration status Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
R. Ely; M. R. Ely; S	S. N. Ch 2011	Marginal effects of a large caffeine dose on heat balance during exercise-heat stress	1et Exclude	Yes	-	-	-	-	-	-	-	-
R. Ely; R. W. Kene	efick; S. 2011	Surface contamination artificially elevates initial sweat mineral concentrations J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
Epstein; W. O. Robe	erts 2011	The pathopysiology of heat stroke: an integrative view of the final common pathway Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
Falk; R. Dotan	2011	Temperature regulation and elite young athletes Med Sport Sci	Exclude	Yes	-	-	-	-	-	-	-	-
P. Ferguson; R. S. I	Bowen; . 2011	Heart rate and core temperature responses of elite pit crews during automobile races J Strength Cond Res	Exclude	Yes	-	-	-	-	-	-		-
Gaoua; S. Racinais	; J. Gran 2011	Alterations in cognitive performance during passive hyperthermia are task dependent Int J Hyperthermia	Exclude	-	-	-	-	-	-	No	-	-
T. Garrett; N. J. Rel	hrer; M. 2011	Induction and decay of short-term heat acclimation in moderately and highly trained athletes Sports Med	Exclude	-	-	-	-	-	-	No	-	-
Goekint; B. Roelan	nds; E. F 2011	Influence of citalopram and environmental temperature on exercise-induced changes in BDNF Neurosci Lett	Exclude	Yes	-	-	-	-	-	-	-	-
S. Hood; J. P. Little	e; M. A. 2011	Low-volume interval training improves muscle oxidative capacity in sedentary adults Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Huang; W. Zhou; N	1. L. Ca 2011	Is everyone hot in the city? Spatial pattern of land surface temperatures, land cover and neighborh J Environ Manage	Exclude	Yes	-	-	-	-	-	-	-	-
J. Jackson	2011	Control of reactive oxygen species production in contracting skeletal muscle Antioxid Redox Signal	Exclude	Yes	-	-	-	-	-	-	-	-
Kakigi; H. Naito; Y	. Ogura; 2011	Heat stress enhances mTOR signaling after resistance exercise in human skeletal muscle J Physiol Sci	Exclude	Yes	-	-	-	-	-			-
W. Kenefick; S. N.	Cheuvre 2011	DEET insect repellent: effects on thermoregulatory sweating and physiological strain Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Kraft; J. M. Gree	n; P. A. 2011	Effects of heat exposure and 3% dehydration achieved via hot water immersion on repeated cycle J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-
Krause; C. Rodrigu	ues-Krat 2011	Extracellular heat shock proteins (eHSP70) in exercise: Possible targets outside the immune syste Med Hypotheses	Exclude	Yes	-	-	-	-	-	-		-
Kuennen; T. Gillun	n; K. Dc 2011	Thermotolerance and heat acclimation may share a common mechanism in humans Am J Physiol Regul Into	egi Exclude	Yes	-	-	-	-	-			-
Lee; H. Wakabaya	ashi; T. 2011	Ethnic differences in thermoregulatory responses during resting, passive and active heating: applic Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-			-
Little; A. J. Cochr	ran 2011	Regulating the regulators: the role of transcriptional regulatory proteins in the adaptive response t ₁ J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Little; A. Safdar;	D. Bish (2011	An acute bout of high-intensity interval training increases the nuclear abundance of PGC-1α and a Am J Physiol Regul Inte	gr Exclude	Yes	-	-	-	-	-	-	-	-
orenzo; C. T. Mins	son; T. C 2011	Lactate threshold predicting time-trial performance: impact of heat and acclimation J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
Matsumoto; M. Shi	modozo 2011	Effects of thermal therapy combining sauna therapy and underwater exercise in patients with fibre Complement Ther Clin	Pra Exclude	-	-	-	-	-	No	No	-	-
Miller; D. Ellis; !	M. M. R 2011	Measurement of skeletal muscle collagen breakdown by microdialysis Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
Miyagawa; Y. Kam		Reduced hyperthermia-induced cutaneous vasodilation and enhanced exercise-induced plasma wa J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
I. Naylor; H. Carte		Repeated increases in blood flow, independent of exercise, enhance conduit artery vasodilator fun Am J Physiol Heart Circ		Yes	-	-	-	-	-	-	-	-
/. Ping; C. C. Keor		Effects of acute supplementation of Panax ginseng on endurance running in a hot & humid enviro Indian J Med Res	Exclude	Yes	-	-	-	-	-	-	-	-
Powers; E. E. Ta	-	Reactive oxygen and nitrogen species as intracellular signals in skeletal muscle J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
areh; M. E. Tulapı		Response of mice to continuous 5-day passive hyperthermia resembles human heat acclimation Cell Stress Chaperones	Exclude	-	-		-	-	No	No	_	-
N. Sawka; L. R. Le		Integrated physiological mechanisms of exercise performance, adaptation, and maladaptation to h Compr Physiol	Exclude	-	No	-	-	_	-	No	_	_
. Sheffield; P. J. La		Global climate change and children's health: threats and strategies for prevention Environ Health Perspec		Yes	-	-	-	-	-	-	_	-
idhu; H. T. Peng; E		Simulation of differential drug pharmacokinetics under heat and exercise stress using a physiologi Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologi Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologi Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologi Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologi Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologi Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologi Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologi Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologic Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologic Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologic Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologic Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologic Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologic Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologic Can J Physiol Pharmacokinetics under heat and exercise stress using a physiologic can be a second to the s		Yes	-	-	-	-	-	-	_	_
H. Simmons; B. J.		Changes in the control of skin blood flow with exercise training: where do cutaneous vascular ada Exp Physiol	Exclude	Yes	_		-	-	_		_	-
S. Soteriades; D. L.	-	Cardiovascular disease in US firefighters: a systematic review Cardiovascular disease in US firefighters:	Exclude	Yes	-		_	-	_		_	_
Faylor; A. W. Midg		Daily hypoxia increases basal monocyte HSP72 expression in healthy human subjects Amino Acids	Exclude	Yes		i i	T.		Ti-	_	_	_
Therapeutics	2011	Pharmacokinetic Study Of AGILE AG200-15 After Weekly Application Under Various Condition	Exclude	Yes		-	-	-	-	-	-	+
Vaapio; M. Salmine		Increased muscle strength improves managing in activities of daily living in fall-prone community Aging Clin Exp Res	Exclude	Yes		-	-		-	-	-	-

										**Physiology during ex-	ercise = RPE, heart rate, sweat rate. co	e temp, and thermal comfort during exercis	se.
				Decision	Reason(s) for	inclusion/exclus	ion:			,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ī
Author	Year	Title Je	ournal	Include or exclude?	Irrelevant / off topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
D. Vladutiu; P. J. Isackson		Genetic risk for malignant hyperthermia in non-anesthesia-induced myopathies	ol Genet Metab	Exclude	Yes	-	-	-	-	-	-	-	-
Wakabayashi; T. Wijayanto	to 2011	Comparison of heat dissipation response between Malaysian and Japanese males during exercise i In-	t J Biometeorol	Exclude	Yes	-	-	-	-	-	-	-	-
Wang; H. Mascher; N. Psil	la 2011	Resistance exercise enhances the molecular signaling of mitochondrial biogenesis induced by end J	Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
ri	2011	Testing of C.L.A.I.M.S. patch for its irritancy, contact with skin and evaluation for use in patch str		Exclude	Yes	-	-	-	-	-	-	-	-
Aisbett; A. Wolkow; M. Sp	рі 2012	Awake, smoky, and hot": providing an evidence-base for managing the risks associated with occul Ap	ppl Ergon	Exclude	Yes	-	-	-	-	-	-	-	-
Almudehki; O. Girard; J. G				Exclude	Yes	-	-	-	-	-	-	-	-
M. Alonso; P. Edouard; G.	F 2012	Determination of future prevention strategies in elite track and field: analysis of Daegu 2011 IAA Br	J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Altan; N. Korkmaz; M. Diz		Effect of Pilates training on people with ankylosing spondylitis	neumatol Int	Exclude	Yes	-	-	-	-	-	-	-	-
Ascensão; P. J. Oliveira; J.	. 2012	Exercise as a beneficial adjunct therapy during Doxorubicin treatmentrole of mitochondria in ca	t J Cardiol	Exclude	Yes	-	-	-	-	-	-	-	-
J. Augustine	2012	Running into trouble. Heat-related illnesses follow a summer race	MS World	Exclude	Yes	-	-	-	-	-	-	-	-
F. Bergeron; R. Bahr; P. B	3a 2012	International Olympic Committee consensus statement on thermoregulatory and altitude challenge	J Sports Med	Exclude	-	No	-	-	-	-	No	-	-
Burk; S. Timpmann; K. Kı	re 2012		ır J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Castrogiovanni; R. Imbesi				Exclude	Yes	-	-	-	-	-	-	-	-
N. Cobley; J. D. Bartlett; A	. 2012	$PGC\text{-}1\alpha \ transcriptional \ response \ and \ mitochondrial \ adaptation \ to \ acute \ exercise \ is \ maintained \ in \ s \ Bi$	ogerontology	Exclude	Yes	-	-	-	-	-	-	-	-
M. Costa; L. Breitenfeld;	A 2012	Genetic inheritance effects on endurance and muscle strength: an update Sp	orts Med	Exclude	Yes	-	-	-	-	-	-	-	-
J. Derbyshire; H. Barr; F. D	D; 2012	Lactate in human sweat: a critical review of research to the present day	Physiol Sci	Exclude	Yes	-	-	-	-	-	-	-	-
P. Dunay; C. Jakab; T. Nér	n 2012	Evaluation of EnSeal®, an adaptive bipolar electrosurgical tissue-sealing device	cta Vet Hung	Exclude	Yes	-	-	-	-	-	-	-	-
Engeli; A. L. Birkenfeld; P.	2012	Natriuretic peptides enhance the oxidative capacity of human skeletal muscle J G	Clin Invest	Exclude	Yes	-	-	-	-	-	-	-	-
Fujii; Y. Honda; T. Ogawa	i; 2012	Short-term exercise-heat acclimation enhances skin vasodilation but not hyperthermic hyperpnea Eu	ır J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Gagnon; A. G. Lynn; K. B	3i 2012	Mean arterial pressure following prolonged exercise in the heat: influence of training status and fl	and J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
Γ. Garrett; R. Creasy; N. J.	I. 2012	Effectiveness of short-term heat acclimation for highly trained athletes Eu	ır J Appl Physiol	Exclude	-	No	-	-	-	-	No	-	-
Gayda; L. Bosquet; F. Pail	ill 2012	Effects of sauna alone versus postexercise sauna baths on short-term heart rate variability in patier J C	Cardiopulm Rehabil Prev	Exclude	-	-	-	-	-	No	No	-	-
Gayda; F. Paillard; P. Sosr	n 2012	Effects of sauna alone and postexercise sauna baths on blood pressure and hemodynamic variable. J	Clin Hypertens (Greenw	Exclude	-	-	-	-	-	No	No	-	-
Hämäläinen; A. Ikonen; A.	12012	The effects of heat stress on cognition in persons with multiple sclerosis M	ult Scler	Exclude	-	-	-	-	-	No	No	-	-
L. Hartley; A. D. Flouris; 1	N 2012	The effect of a covert manipulation of ambient temperature on heat storage and voluntary exercise Ph	nysiol Behav	Exclude	-	-	-	-	-	-	No	-	-
Heled; A. Peled; R. Yanovi	ic 2012	Heat acclimation and performance in hypoxic conditions Av	viat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
L. Hom; E. C. Lee; J. M. A	Aj 2012	Eleven days of moderate exercise and heat exposure induces acclimation without significant HSP Co	ell Stress Chaperones	Exclude	-	No	-	-	-	-	No	-	-
Hue	2012	Living and training in a tropical environment: a challenge for aerobic exercise applied knowledge W	est Indian Med J	Exclude	-	No	-	-	-	-	No	-	-
Iguchi; A. E. Littmann; S.	.12012	Heat stress and cardiovascular, hormonal, and heat shock proteins in humans J A	Athl Train	Exclude	Yes	-	-	-	-	-	-	-	-
James	2012	Milk protein and the restoration of fluid balance after exercise M	ed Sport Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Jimenez; J. O. Fortrat; B. I	D 2012		viat Space Environ Med		Yes	-	-	-	-	-	-	-	-
A. Kavouras; G. Arnaoutis;	s; 2012	Educational intervention on water intake improves hydration status and enhances exercise perforn Sc	and J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
Maciejewska; M. Sawczuk	k 2012			Exclude	Yes	-	-	-	-	-	-	-	-
V. Maltseva; E. A. Ryaben	nk 2012	Effect of exercise on the expression of HSPBP1, PGLYRP1, and HSPA1A genes in human leukoc Bu	ıll Exp Biol Med	Exclude	Yes	-	-	-	-	-	-	-	-
Martinez; D. Jones; D. Ho	d 2012	Blocking the beta-adrenergic system does not affect sweat gland function during heat acclimation At	uton Neurosci	Exclude	Yes	-	-	-	-	-	-	-	-
Mestre-Alfaro; M. D. Ferr	re 2012	Body temperature modulates the antioxidant and acute immune responses to exercise Fr	ee Radic Res	Exclude	Yes	-	-	-	-	-	-	-	-
Milisav; B. Poljsak; D. Sup	ot 2012	Adaptive response, evidence of cross-resistance and its potential clinical use In	t J Mol Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Mora-Rodriguez	2012	Influence of aerobic fitness on thermoregulation during exercise in the heat Ex	erc Sport Sci Rev	Exclude	Yes	-	-	-	-	-	-	-	-
Mora-Rodriguez; R. Aguad	d 2012	A standard blood bank donation alters the thermal and cardiovascular responses during subsequen Tr		Exclude	Yes	-	-	-	-	-	-	-	-
Mora-Rodriguez; N. Hamo				Exclude	Yes	-	-	-	-	-	-	-	-
T01672710	2012	Gulf War Illness: Evaluation of an Innovative Detoxification Program		Exclude	Yes	-	-	-	-	-	-	-	-
C. Niehaus; M. J. Angillett	tt: 2012	Predicting the physiological performance of ectotherms in fluctuating thermal environments J H	Exp Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Ohori; T. Nozawa; H. Ihori	i; 2012	Effect of repeated sauna treatment on exercise tolerance and endothelial function in patients with An	m J Cardiol	Exclude	-	-	-	-	-	No	No	-	-
C. Petersen; M. J. McKenr		Infusion with the antioxidant N-acetylcysteine attenuates early adaptive responses to exercise in h Ad		Exclude	Yes	-	-	-	-	-			-
Poh; L. E. Armstrong; D			viat Space Environ Med		-	-	-	-	-	-	No	-	-
tacinais; M. Mohr; M. Bu		Individual responses to short-term heat acclimatisation as predictors of football performance in a l Br		Exclude	-	No	-	-	-	-	No	-	-
Romberg; A. Ikonen; J. Ru				Exclude	-	-	-	-	-	No	No	-	1-
H. Ross; M. C. Sternquist		Methamphetamine exposure and chronic illness in police officers: significant improvement with s To		Exclude	Yes	-	-	-	-	-	-	-	-
. Ruas; J. P. White; R. R. I		A PGC-1α isoform induced by resistance training regulates skeletal muscle hypertrophy		Exclude	Yes	-	-	-	-	-	-	-	-
Salathé; C. Pellaton; L. Va				Exclude	Yes	-	No	-	-	-	-	-	-
3. Sazontova; O. S. Glazao		[Adaptation to hypoxia and hyperoxia improves physical endurance: the role of reactive oxygen s		Exclude	Yes	-	No	-	-	-			-
Scheef; J. Jankowski; M. I		An fMRI study on the acute effects of exercise on pain processing in trained athletes		Exclude	Yes	-	-	-	-	-			-
E. Sears; K. J. Kerr; R. I. I				Exclude	Yes	-	-	-	-	-	-	-	-
Skein; R. Duffield; J. Can		Self-paced intermittent-sprint performance and pacing strategies following respective pre-cooling Eu		Exclude	Yes	_	-	_	-	_	-	-	-
N. Soto Ruiz; E. Ezquerro				Exclude	_	No	No	-	-	1_	No	_	
N. K. Stepto; B. Benziane; G.		Short-term intensified cycle training alters acute and chronic responses of PGC1α and Cytochrom PI		Exclude Exclude	Yes	110	110	-	-	-	110	-	-

									*Performance/capacity	= time trial, time to exhaustion, race p	erformance, VO2max, economy/efficiency,	or lactate threshold.
			p	D ()0					**Physiology during ex	sercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
			Decision		or inclusion/exclus							
Author Year	Title	Journal	Include or exclude?	Irrelevant / o topic?	off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
Summermatter; C. Handsch 2012	PGC- 1α and exercise in the control of body weight	Int J Obes (Lond)	Exclude	Yes	-	-	-	-	-	-	-	-
E. Symonds; M. Pope; H. I 2012	Adipose tissue development during early life: novel insights into energy balance from small and l	Proc Nutr Soc	Exclude	Yes	-	-	-	-	-	-	-	-
Tanaka; M. Shimoda; T. Ish 2012	Influences of raised ambient temperature on cardiorespiratory performance in a 3-minute step tes	J Hum Ergol (Tokyo)	Exclude	Yes	-	-	-	-	-	-	-	-
Taylor; A. R. Hillman; A. W 2012	Hypoxia-mediated prior induction of monocyte-expressed HSP72 and HSP32 provides protection	Amino Acids	Exclude	Yes	-	-	-	-	-	-	-	-
Tobías; J. Díaz; C. Linares 2012	A cautionary note to prevent the heat effects on human health	Sci Total Environ	Exclude	-	No	-	-	-	-	No	-	-
Tsuji; Y. Honda; N. Fujii; N 2012	Comparison of hyperthermic hyperventilation during passive heating and prolonged light and mo	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
F. Archer; F. Z. Stanczyk; A 2013	Pharmacokinetics and adhesion of the Agile transdermal contraceptive patch (AG200-15) during	Contraception	Exclude	Yes	-	-	-	-	-	-	-	-
Artopoulos; A. S. Juszczyk 2013	Three-dimensional processing deformation of three denture base materials	J Prosthet Dent	Exclude	Yes	-	-	-	-	-	-	-	-
. F. Bergeron 2013	Reducing sports heat illness risk	Pediatr Rev	Exclude	Yes	-	-	-	-	-	-	-	-
Brade; B. Dawson; K. Wall 2013	Effect of precooling and acclimation on repeat-sprint performance in heat	J Sports Sci	Exclude	-	No	-	-	-	-	No	-	-
B. Brearley; M. F. Heaney; 2013	Physiological responses of medical team members to a simulated emergency in tropical field con-	Prehosp Disaster Med	Exclude	Yes	-	-	-	-	-	-	-	-
Buchheit; S. Racinais; J. B 2013	Adding heat to the live-high train-low altitude model: a practical insight from professional footba	Br J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
J. Buller; W. J. Tharion; S. 2013	Estimation of human core temperature from sequential heart rate observations	Physiol Meas	Exclude	Yes	-	-	-	-	-	-	-	-
C. Castle; B. P. Kularatne; J 2013	Partial heat acclimation of athletes with spinal cord lesion	Eur J Appl Physiol	Exclude	-	-	-	-	-	No	No	-	-
J. Cook; C. M. Beaven 2013	Individual perception of recovery is related to subsequent sprint performance	Br J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
J. Crystal; D. H. Townson; 2013	Effect of cryotherapy on muscle recovery and inflammation following a bout of damaging exercise	s Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Dyer; N. D. Harris; E. Je 2013	Activity levels after pulmonary rehabilitation - what really happens?	Physiotherapy	Exclude	Yes	-	-	-	-	-	-	-	-
P. Earnest; N. M. Johannser 2013	Dose effect of cardiorespiratory exercise on metabolic syndrome in postmenopausal women	Am J Cardiol	Exclude	Yes	-	-	-	-	-	-	-	-
P. Earnest; M. Lupo; J. Thit 2013	Interval training in men at risk for insulin resistance	Int J Sports Med	Exclude	Yes	-	-	-	-	-			-
R. Ely; K. J. Sollanek; S. N 2013	Hypohydration and acute thermal stress affect mood state but not cognition or dynamic postural by	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Epstein; Y. Heled; I. Ketko; 2013	The effect of air permeability characteristics of protective garments on the induced physiological	Ann Occup Hyg	Exclude	Yes	-	-	-	-	-	-	-	-
Folkesson; A. L. Mackey; 2013	The expression of heat shock protein in human skeletal muscle: effects of muscle fibre phenotype	Acta Physiol (Oxf)	Exclude	Yes	-	-	-	-	-	-	-	-
B. Fortes; U. Di Felice; A. 2013	Muscle-damaging exercise increases heat strain during subsequent exercise heat stress	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Gillum; M. Kuennen; C. Gc 2013	Sex differences in heat shock protein 72 expression in peripheral blood mononuclear cells to acut	Int J Endocrinol Metab	Exclude	Yes	-	-	-	-	-	-	-	-
Girard; D. J. Bishop; S. Ra 2013	Hot conditions improve power output during repeated cycling sprints without modifying neuromo		Exclude	Yes	-	-	-	-	-	-	-	-
Hodge; D. Jones; R. Martin 2013	Time course of the attenuation of sympathetic nervous activity during active heat acclimation	Auton Neurosci	Exclude	-	-	-	-	-	-	No	-	-
Item; A. Nocito; S. Thöny; 2013	Combined whole-body vibration, resistance exercise, and sustained vascular occlusion increases	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
C. Johnson; F. W. Kolkhors 2013	Specific exercise heat stress protocol for a triathlete's return from exertional heat stroke	Curr Sports Med Rep	Exclude	Yes	-	-	-	-	-	-	-	-
J. Kim; Y. Seo; J. H. Kim; I 2013	Effect of caffeine intake on finger cold-induced vasodilation	Wilderness Environ Med	Exclude	Yes	-	-	-	-	-	-	-	-
Kishore; K. Ray; J. P. Anan 2013	Tyrosine ameliorates heat induced delay in event related potential P300 and contingent negative v	Brain Cogn	Exclude	Yes	-	-	-	-	-	-	-	-
Larose; H. E. Wright; J. Star 2013	Whole body heat loss is reduced in older males during short bouts of intermittent exercise	Am J Physiol Regul Inter		Yes	-	-	-	-	-	-	-	-
F. Lee; S. R. Brown; A. P. L 2013	Effect of an aerodynamic helmet on head temperature, core temperature, and cycling power comp	J Strength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
E. López-Diazguerrero; V. 2013	[Hormesis: What doesn't kill you makes you stronger]	Gac Med Mex	Exclude	-	No	No	-	-	-	-	-	-
J. Maughan; N. L. Meyer 2013	Hydration during intense exercise training	Nestle Nutr Inst Worksho	p Exclude	Yes	-	-	-	-	-	-	-	-
P. McDermott; D. J. Casa; 12013	Thermoregulation and stress hormone recovery after exercise dehydration: comparison of rehydra	J Athl Train	Exclude	Yes	-	-	-	-	-	-	-	-
M. McLellan; H. A. Daaner 2013	Encapsulated environment	Compr Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
R. Mikkelsen; G. Paulsen; 2013	The heat shock protein response following eccentric exercise in human skeletal muscle is unaffect	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Mora-Rodriguez; N. Hamo 2013	Fluid ingestion is more effective in preventing hyperthermia in aerobically trained than untrained	Appl Physiol Nutr Metab	Exclude	Yes	-	-	-	-	-		-	-
X. Muñoz; E. C. Johnson; J 2013	Assessment of hydration biomarkers including salivary osmolality during passive and active dehy		Exclude	Yes	-	-	-	-	-	-	-	-
O'Brien; B. S. Cadarette 2013	Quantification of head sweating during rest and exercise in the heat	Eur J Appl Physiol	Exclude	Yes	-	-		-	-			
Perrier; A. Demazières; N. (2013	Circadian variation and responsiveness of hydration biomarkers to changes in daily water intake	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
L. Persiianova-Dubrova; N 2013	[Thermal therapy for the management of cardiovascular pathology]		Exclude	-	-	No	-	-	No	No	-	
Psilander; P. Frank; M. Flor 2013	Exercise with low glycogen increases PGC-1a gene expression in human skeletal muscle	Eur J Appl Physiol	Exclude	Yes	-	-		-	-			
Roelands; J. de Koning; C. 2013	Neurophysiological determinants of theoretical concepts and mechanisms involved in pacing	Sports Med	Exclude	Yes	-	-	-	-	-	-	_	-
Sanchis-Gomar 2013	Sestrins: novel antioxidant and AMPK-modulating functions regulated by exercise?	J Cell Physiol	Exclude	Yes		1.		1.			_	
Sawa; H. Ihara; T. Ida; S. Ft 2013	Formation, signaling functions, and metabolisms of nitrated cyclic nucleotide	Nitric Oxide	Exclude	Yes	-	-	-	-	-	-	-	-
E. Schriner; K. Lee; S. Truc 2013	Extension of Drosophila lifespan by Rhodiola rosea through a mechanism independent from dieta		Exclude	Yes	-	-	-	-	-	-	-	-
Shen; T. Wang; C. Li 2013	[Study on real-time wearable monitoring system for human heat and cold stresses]	Sheng Wu Yi Xue Gong		Yes	-	No	-	-	-		-	-
J. Shephard 2013	Ramadan and sport: minimizing effects upon the observant athlete	Sports Med	Exclude	Yes	_	-	-	_	_	-	_	_
Sobajima; T. Nozawa; H. I 2013	Repeated sauna therapy improves myocardial perfusion in patients with chronically occluded cor		Exclude	-	-	-	-	-	No	No	-	-
Stapleton; J. E. Yardley; 2013	Whole-body heat loss during exercise in the heat is not impaired in type 1 diabetes	Med Sci Sports Exerc	Exclude		-	-	-	-	-	No	_	-
L. Stearns: L. N. Belval: D. 2013	Two environmental symptoms questionnaires during 10 days of exercise-heat acclimation	Aviat Space Environ Med		Yes	-	-		_	_	-	-	_
Stellingwerff 2013	Contemporary nutrition approaches to optimize elite marathon performance	Int J Sports Physiol Perfo		Yes	-	-		_	_		_	_
Sun; S. Qian; Q. Jiang; K. 12013	Hyperthermia-induced disruption of functional connectivity in the human brain network	PLoS One	Exclude	Yes		-[-			Ti-	_	_	_
Tesarz; A. Gerhardt; K. Sch 2013	Alterations in endogenous pain modulation in endurance athletes: an experimental study using qu		Exclude	Yes		+	-	-	-	-	-	-
. Turner; S. J. Bennett; J. P 2013	The antioxidant enzyme peroxiredoxin-2 is depleted in lymphocytes seven days after ultra-endura		Exclude	Yes		-	-	-	-	-	-	-

				Decision	Passon(s) for	inclusion/exclus	ion:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, con	re temp, and thermal comfort during exercise	e.
Author	Year	Title	Journal	Include or exclude?	Irrelevant / off topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
Utsuki	2013	Automatic control system of brain temperature by air-surface cooling for therapeutic hypothermia	Annu Int Conf IEEE Eng	Exclude	Yes	-	-	-	-	-	-	-	-
G. Versey; S. L. Halso	on; B. 2013	Water immersion recovery for athletes: effect on exercise performance and practical recommendation	Sports Med	Exclude	-	No	-	-	-	-	No	-	-
Vesić; M. Vukasinović	ić-Vesi 2013	The effects of acclimatization on blood clotting parameters in exertional heat stress	Vojnosanit Pregl	Exclude	-	-	-	-	-	-	No	-	-
Wang; C. Gao; K. Kuk		Effects of various protective clothing and thermal environments on heat strain of unacclimated me		Exclude	Yes	-	-	-	-	-	-	-	-
T. White; T. A. Vanhai		Effect of passive whole body heating on central conduction and cortical excitability in multiple so	** *	Exclude	-	-	-	-	-	-	No	-	-
Wijayanto; S. Toramoto		Passive heat exposure induced by hot water leg immersion increased oxyhemoglobin in pre-fronta		Exclude	-	-	-	-	-	-	No	-	-
. E. Wright; J. Larose; T				Exclude	-	-	-	-	-	-	No	-	-
Yamazaki	2013		J uoeh	Exclude	-	No	-	-	-	-	No	-	-
etrn	2013	Does exercise reduce the incidence of lymphoedema more than advice alone following inguinal an			Yes	-	-	-	-	-	-	-	-
ctrn	2013	The impact of whole body heating on blood flow distribution and temperature regulation in chron			Yes	-	-	-	-	-	-	-	-
Alderson; G. Campbell	,		Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
F. Alghannam; K. Tsin	2014 2014	Post-Exercise Protein Trial: Interactions between Diet and Exercise (PEPTIDE): study protocol for		Exclude	Yes	-	-	-	-	-	-	-	-
Baar Baillot; S. Le Bris; O.		· · · · · · · · · · · · · · · · · · ·	Sports Med Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
. R. Beltran Valls; I. Di		Fluid replacement strategy during a 27-Km trail run in hot and humid conditions		Exclude	Yes	-	-	-	-	-	-	-	-
. F. Bergeron	2014 2014	Explosive type of moderate-resistance training induces functional, cardiovascular, and molecular and Heat stress and thermal strain challenges in running	J Orthop Sports Phys Ther	Exclude	Yes	No.	-	-	-	-	- No	-	-
. F. Bergeron	2014	0 0	Br J Sports Med	Exclude	-	No	-	-	-	-	No	-	-
Best; M. Thompson; C		,	J Sci Med Sport	Exclude	-	NO	-	-	-	-	No	-	-
P. Born; M. W. Hoppe;		[Adaptive mechanisms and behavioural recommendations: playing football in heat, cold and high			Yes	-	No	-	-	-	140	-	-
Bottoms; M. Price	2014	The effect of arm training on thermoregulatory responses and calf volume during upper body exer		Exclude	Yes	-	-			-		-	
Brearley; I. Norton; D				Exclude	Yes							-	
Brinkmeier; K. Ohlend		Chaperoning heat shock proteins: proteomic analysis and relevance for normal and dystrophin-del		Exclude	Yes	-	-	-	-	-		-	-
A. Carlson; D. P. Fergu		Physiological strain of stock car drivers during competitive racing		Exclude	Yes	-	-	-	-	-	_	_	-
Chalmers; A. Esterman		Short-term heat acclimation training improves physical performance: a systematic review, and exp		Exclude	-	No	-	-	-	-	No	-	-
J. Chen; T. H. Chen; Y	Y. M. 2014	High-volume plasma exchange in a patient with acute liver failure due to non-exertional heat strol		Exclude	Yes	-	-	-	-	-	-	-	-
I. A. Cleary; M. G. Toy;	y; R. N 2014	Thermoregulatory, cardiovascular, and perceptual responses to intermittent cooling during exercis	-	Exclude	-	-	-	-	-	-	No	-	-
N. Cobley; G. K. Sakel	ellario 2014	Lifelong training preserves some redox-regulated adaptive responses after an acute exercise stimu		Exclude	Yes	-	-	-	-	-	-	-	-
Corbett; R. A. Neal; H.	I. C. L 2014	Adaptation to heat and exercise performance under cooler conditions: a new hot topic	Sports Med	Exclude	-	No	-	-	-	-	No	-	-
J. Costa; M. J. Crockfo	ford; J 2014	Heat acclimation responses of an ultra-endurance running group preparing for hot desert-based co	Eur J Sport Sci	Exclude	-	No	-	-	-	-	No	-	-
. N. Cramer; O. Jay	2014	Selecting the correct exercise intensity for unbiased comparisons of thermoregulatory responses b	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
S. Cuddy; W. S. Hailes	s; B. C2014	A reduced core to skin temperature gradient, not a critical core temperature, affects aerobic capaci	J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
T. Cumming; T. Raasta		Effects of vitamin C and E supplementation on endogenous antioxidant systems and heat shock pr	Physiol Rep	Exclude	Yes	-	-	-	-	-	-	-	-
G. Dean; A. Breslin; E				Exclude	Yes	-	-	-	-	-	-	-	-
R. Ely; A. T. Lovering	-	Heat acclimation and cross tolerance to hypoxia: Bridging the gap between cellular and systemic		Exclude	-	No	-	-	-	-	No	-	-
E. Fernández-Elías; A.		Validity of hydration non-invasive indices during the weightcutting and official weigh-in for Olyn		Exclude	Yes	-	-	-	-	-	-	-	-
T. Frankenberg; G. D.		Small heat shock proteins translocate to the cytoskeleton in human skeletal muscle following ecce		Exclude	Yes	-	-	-	-	-	-	-	-
Fu; W. G. Weng; H. Y		Quantitative assessment of the relationship between radiant heat exposure and protective performa		Exclude	Yes	-	-	-	-	-	-	-	-
T. Garrett; N. G. Goos		Short-term heat acclimation is effective and may be enhanced rather than impaired by dehydration		Exclude	-	-	-	-	-	-	No	-	-
Gatterer; K. Schenk; L.		Bioimpedance identifies body fluid loss after exercise in the heat: a pilot study with body cooling		Exclude	Yes	-	-	-	-	-	-	-	-
R. Gibson; A. Dennis; Girard: R. J. Christian		Extracellular Hsp72 concentration relates to a minimum endogenous criteria during acute exercise		Exclude	Yes	-	-	-	-	-	-	-	-
Girard; S. Racinais; J.	,	Heat stress does not exacerbate tennis-induced alterations in physical performance Tennis in hot and cool conditions decreases the rapid muscle torque production capacity of the kni		Exclude Exclude	Yes Yes	-	-	-	-	-	-		-
D. Glasgow; R. Ferris;		Cold water immersion in the management of delayed-onset muscle soreness: is dose important? A				-	-	-	-	-	-	-	-
Y. Goharrizi; R. Kwon		Development of robust/predictive control strategies for image-guided ablative treatments using a		Exclude Exclude	Yes Yes	-	-	-	-	-	-	-	-
Y. Gonarrizi; R. Kwon Grazioli; I. Dimauro; N		SFRR-E Young Investigator AwardeeαB-crystallin modulation after acute exercise in skeletal mus		Exclude	Yes	-	-	-	-	-	-	+	-
Gryka; W. Pilch; M. S.		The effect of sauna bathing on lipid profile in young, physically active, male subjects	Int J Occup Med Environ		1 05	1.	1.	T.	1.	1	- No	-	1
A. Hashmi; J. Kong; R.		Functional network architecture predicts psychologically mediated analgesia related to treatment it		Exclude	Yes	-	-	-	-	-	-	-	-
A. Holliss; R. J. Burde		Eight weeks of intermittent hypoxic training improves submaximal physiological variables in high		Exclude	Yes	-	-	_	-	-	-	-	-
Hue; S. Henri; M. Bail			Int J Sports Med	Exclude	Yes	-	-	_	-	-	-	-	_
. Ihsan; G. Watson; H. G		Postexercise muscle cooling enhances gene expression of PGC-1α		Exclude	Yes	-	-	-	-	-	-	-	-
Iwase; Y. Kawahara; N		Effects of isotonic and isometric exercises with mist sauna bathing on cardiovascular, thermoregu		Exclude	-	-	-	-	-	-	No	-	-
J. James; L. Mattin; P.		Effect of whey protein isolate on rehydration after exercise	Amino Acids	Exclude	Yes	-	-	-	-	-	-	-	-
Jovanović; R. Karkalić	lić; S. 12014	Physiological tolerance to uncompensated heat stress in soldiers: effects of various types of body	Vojnosanit Pregl	Exclude	Yes	-	-	-	-	-	-	-	-
Kaldur; J. Kals; V. Öör		Effects of heat acclimation on changes in oxidative stress and inflammation caused by endurance		Exclude	-	-	-	-	-	-	No	-	-
	a; S. T 2014	Effect of repeated Waon therapy on exercise tolerance and pulmonary function in patients with ch	Int J Chron Obstruct Pulm	Exclude	-	-	-	-	-	No	No	-	-

									**Physiology during or	tercise = RPE, heart rate sweat rate on	re temp, and thermal comfort during exercis	or lactate threshold.
			Decision	Reason(s) fo	or inclusion/exclus	ion.			r nysiology during ex	tereise – Kr E, neart rate, sweat rate, co	ne temp, and thermal controls during exercis	.c.
Author	Year	Title Journal	Include or exclude?		off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
J. Lee; E. L. Emery		The impact of submaximal exercise during heat and/or hypoxia on the cardiovascular and monocy Extrem Physiol Med	Exclude	Yes	-	-	-	-	-	-	-	-
Levels; J. de Konin		Effects of radiant heat exposure on pacing pattern during a 15-km cycling time trial J Sports Sci	Exclude	Yes	-	-	-	-	-	-	-	-
W. McGarr; G. L. F	Hartley; 2014	Neither short-term sprint nor endurance training enhances thermal response to exercise in a hot en J Occup Environ Hyg	Exclude	Yes	-	-	-	-	-	-	-	-
J. Murton; R. Billet		Transient transcriptional events in human skeletal muscle at the outset of concentric resistance exc J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
. Musumeci; F. Maria		Effects of dietary extra-virgin olive oil on oxidative stress resulting from exhaustive exercise in ra Acta Histochem	Exclude	Yes	-	-	-	-	-	-	-	-
Oöpik; S. Timpman		Heat acclimation decreases the growth hormone response to acute constant-load exercise in the he Growth Horm IGF Res	Exclude	-	-	-	-	-	-	No	-	-
. J. Patterson; J. M. S		Whole-body fluid distribution in humans during dehydration and recovery, before and after humid Acta Physiol (Oxf)	Exclude	-	-	-	-	-	-	No	-	-
D. Périard; S. Racina		Coping with heat stress during match-play tennis: does an individualised hydration regimen enhar Br J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
M. Piche; S. M. Sta		Attitudes, beliefs, and behaviors of active duty soldiers attending the ArmyMOVE! weight manag Mil Med	Exclude	Yes	-	-	-	-	-	-	-	-
Pilch; Z. Szygula;		Disturbances in pro-oxidant-antioxidant balance after passive body overheating and after exercise PLoS One	Exclude	Yes	-	-	-	-	-	-	-	-
B. Pyne; J. H. Guy;		Managing heat and immune stress in athletes with evidence-based strategies Int J Sports Physiol Performance Int J Spo		-	No	-	-	-	-	No	•	-
Racinais; M. Buchh		Physiological and performance responses to a training camp in the heat in professional Australian Int J Sports Physiol Perfor		-	-	-	-	-	-	No	-	-
W. Raymond; T. A.			Exclude	Yes	-	-	-	-	-	-	-	-
A. Shanely; D. C. N		Evaluation of Rhodiola rosea supplementation on skeletal muscle damage and inflammation in rul Brain Behav Immun	Exclude	Yes	-	-	-	-	-	-	-	-
Smoljanić; N. B. Mo			Exclude	Yes	-	-	-	-	-	-	-	-
Stotz; K. Rapp; J. C. Stuve; E. Marder; A		Effect of a brief heat exposure on blood pressure and physical performance of older women living Int J Environ Res Public Heat exposure and bicycling trieger recurrent aseptic meningitis: a case report BMC Neurol		Yes	-	-	-	-	-	-	-	-
			Exclude	Yes	- V	- V	- V	-	37	N.	-	N.
Sutkowy; A. Woźnia		-	Exclude	- V	Yes	Yes	Yes	Yes	Yes	No	-	No
H. Sveaas; I. J. Berg E. Thornes; P. A. Fis	-	Efficacy of high intensity exercise on disease activity and cardiovascular risk in active axial spone PLoS One	Exclude	Yes	-	-	-	-	-	•	•	-
A. Volterman; J. Ob		Ambulance call-outs and response times in Birmingham and the impact of extreme weather and cl Emerg Med J	Exclude	Yes	-	-	-	-	-	•	•	-
Waldron	2014 2014		Exclude Exclude	Yes	-	-	-	-	-	•	•	-
				Yes	-	-	-	-	-	-	-	-
Warttig; P. Alderson		Interventions for treating inadvertent postoperative hypothermia Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
J. West; C. J. Cook;C. White; R. M. Sal		Profiling the time-course changes in neuromuscular function and muscle damage over two consec J Sci Med Sport Does heat acclimation improve exercise capacity at altitude? A cross-tolerance model Int J Sports Med	Exclude Exclude	Yes -	No	-	-	-	-	No	-	-
Williams; S. J. Wiel		Preparation for and physiological responses to competing in the Marathon des Sables: a case repo J Sports Med Phys Fitness		-		-	-	-	-		-	-
Wilson; B. Drust; J.		Weight-making strategies in professional jockeys: implications for physical and mental health and Sports Med	Exclude	Yes	No	-	-	-	-	No	-	-
E. Wright; J. Larose			Exclude	Yes	-	-	-	-	-	-	-	-
E. Wright-Beatty; T		Inflammatory responses of older firefighters to intermittent exercise in the heat Eur J Appl Physiol	Exclude	Yes		-	-		-	-	-	-
M. Young; S. Parting		Stressors and coping strategies of U.K. firefighters during on-duty incidents Stress Health	Exclude	Yes			-		-	-	-	_
Zeng; J. J. Li; D. Q.			Exclude	Yes					-			
Zhang; Y. C. Bao	2014	Effect of acclimation training on physiological changes in a randomized controlled trial in hot-hur Zhongguo Ying Yong She		-		-	_	-		No		
. Zuhl; S. Schneider;		Exercise regulation of intestinal tight junction proteins Br J Sports Med	Exclude	Yes						-		
ctrn	2014		Exclude	Yes								
Amano; Y. Inoue; S.			Exclude	Yes		-	_	-	_	_		
T. Amorim; I. T. For	-	Insights into the role of heat shock protein 72 to whole-body heat acclimation in humans Temperature (Austin)	Exclude	Yes	-	-	-	-	-	-	-	-
Atomi	2015	Gravitational Effects on Human Physiology Subcell Biochem	Exclude	Yes	-	-	-	-	-	-	-	-
D. Barberio; D. J. I		Systemic LPS and inflammatory response during consecutive days of exercise in heat Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	_	-
J. Berg; K. Inaba; N		The impact of heat stress on operative performance and cognitive function during simulated lapar Surgery	Exclude	Yes	-	-	-	-	-			
C. Bongers; D. H. T		Precooling and percooling (cooling during exercise) both improve performance in the heat: a meta Br J Sports Med	Exclude	Yes	-	-	_	-	-	_	_	-
D. Bradford; S. J. L.			Exclude	-	-	-	-	-	-	No	-	-
Brazaitis; N. Eimar	ntas; L. 2015	Two strategies for the acute response to cold exposure but one strategy for the response to heat str Int J Hyperthermia	Exclude	Yes	-	-	-	-	-	-	-	-
Brocherie; O. Giraro	d; A. Fai 2015	Influence of weather, rank, and home advantage on football outcomes in the Gulf region Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Brocherie; G. P. Mil		Is the Wet-Bulb Globe Temperature (WBGT) Index Relevant for Exercise in the Heat? Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Campbell; P. Alders		Warming of intravenous and irrigation fluids for preventing inadvertent perioperative hypothermic Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Chauhan; A. Bali; N	N. Singh 2015	Cross stress adaptation: Phenomenon of interactions between homotypic and heterotypic stressors Life Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Chiroma; S. Abdul-	-kareem 2015	Global Warming: Predicting OPEC Carbon Dioxide Emissions from Petroleum Consumption Usir PLoS One	Exclude	Yes	-	-	-	-	-	-	-	-
N. Cobley; P. R. Mo		Exercise improves mitochondrial and redox-regulated stress responses in the elderly: better late th Biogerontology	Exclude	Yes	-	-	-	-	-	-	-	-
A. Corney; C. Sund	derland; 2015	The effect of hydration status on appetite and energy intake J Sports Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Couto; P. Santos; D	D. Silva; 2015	Exhaled breath temperature in elite swimmers: The effects of a training session in adolescents wit Pediatr Allergy Immunol	Exclude	Yes	-	-	-	-	-	-	-	-
V. De Carvalho; M	I. T. De / 2015	The temperature of water ingested ad libitum does not influence performance during a 40-km self. J Sports Med Phys Fitness	Exclude	Yes	-	-	-	-	-	-	-	-
Dolci; M. B. Fortes	s; F. S. V 2015	Repeated muscle damage blunts the increase in heat strain during subsequent exercise heat stress Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
G. Dulloo; Y. Schut	tz 2015	Adaptive Thermogenesis in Resistance to Obesity Therapies: Issues in Quantifying Thrifty Energy Curr Obes Rep	Exclude	Yes	-	-	-	-	-	-	-	-
G. Farmer	2015	The Evolution of Unidirectional Pulmonary Airflow Physiology (Bethesda)	Exclude	Yes	-	-	-	-	-	-	-	-
Filingeri; D. Fourne	et; S. Hc 2015	Mild evaporative cooling applied to the torso provides thermoregulatory benefits during running i Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-			-
R. Fox; P. W. Ku; M	M Hillsc 2015	Objectively assessed physical activity and lower limb function and prospective associations with a Age Ageing	Exclude	Yes	-	-	-	-	-	-	-	-

											rformance, VO2max, economy/efficiency, or re temp, and thermal comfort during exercise	
			Decision	Pageon(s) fo	or inclusion/exclus	ion:			**Physiology during es	ercise = KPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
Author	Year	Title Journal	Include or exclude?		of inclusion/exclusions ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
Fujii; B. Tsuji; Y. H	Ionda; N 2015	Effect of short-term exercise-heat acclimation on ventilatory and cerebral blood flow responses to J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
R. Gibson; J. A. Me	ee; J. A. 2015	Isothermic and fixed intensity heat acclimation methods induce similar heat adaptation following J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
R. Gibson; G. Turne	er; J. A. 2015	Heat acclimation attenuates physiological strain and the HSP72, but not HSP90α, mRNA respons(J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
K. Gill; A. Teixeira;		Circulatory endotoxin concentration and cytokine profile in response to exertional-heat stress duri Exerc Immunol Rev	Exclude	Yes	-	-	-	-	-	-	-	-
Girard; F. Brocherie	e; D. J. 12015	Sprint performance under heat stress: A review Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
Gnaiger; R. Boushe		Mitochondrial coupling and capacity of oxidative phosphorylation in skeletal muscle of Inuit and Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
. C. Gomez-Cabrera		Redox modulation of mitochondriogenesis in exercise. Does antioxidant supplementation blunt the Free Radic Biol Med	Exclude	Yes	-	-	-	-	-	-	-	-
J. Gronlund; V. J. B		Vulnerability to extreme heat by socio-demographic characteristics and area green space among the Environ Res	Exclude	Yes	-	-	-	-	-	-	-	-
T. Gruss; D. Schmit		The evolution of the human pelvis: changing adaptations to bipedalism, obstetrics and thermoregy Philos Trans R Soc Lond		Yes	-	-	-	-	-	-	-	-
M. Gubernot; G. B.		Characterizing occupational heat-related mortality in the United States, 2000-2010: an analysis us Am J Ind Med	Exclude	Yes	-	-	-	-	-	-	-	-
H. Guy; G. B. Deaki		Adaptation to hot environmental conditions: an exploration of the performance basis, procedures Sports Med	Exclude	-	No	-	-	-	-	No	-	-
Horne; N. Thomas;		Patient-directed therapy during in-patient stroke rehabilitation: stroke survivors' views of feasibili Disabil Rehabil	Exclude	Yes	-	-	-	-	-	-	-	-
Jastrzębski; M. Życ Jin; P. K. Park; K. A		Effects of 6-week specific low-intensity training on selected aerobic capacity parameters and HSF Genet Mol Res Effect of aluminized fabrics on radiant protective performance of fire proximity suit materials Ann Occup Hyg	Exclude Exclude	Yes	-	-	-	-	-	-	-	-
Karlsen; L. Nybo; S	-			res	-	-	-	-	-	- N.	-	-
Karlsen, L. Nybo, S Karlsen: S. Racinai:		Time course of natural heat acclimatization in well-trained cyclists during a 2-week training camp Scand J Med Sci Sports Heat acclimatization does not improve VO2max or cycling performance in a cool climate in train Scand J Med Sci Sports	Exclude Exclude	-	-	-	-	-	-	No No	-	-
Ke; G. Yan; Z. Wan	.,	Design and assessment of novel artificial anal sphincter with adaptive transcutaneous energy trans J Med Eng Technol	Exclude	Yes	-	-	-	-	-	INO	-	-
Keene; M. Brearley	-	Accuracy of Tympanic Temperature Measurement in Firefighters Completing a Simulated Structu Prehosp Disaster Med	Exclude	Yes		-	-		-	-	-	-
Keiser; D. Flück; F.		Heat training increases exercise capacity in hot but not in temperate conditions: a mechanistic cou Am J Physiol Heart Circ		-			-			No		-
Kumar Singh; P. V.		Molecular characterization and expression analysis of hsp60 gene homologue of sheep blowfly, L J Therm Biol	Exclude	Yes						-		
R. Kuras; D. M. Ho		Heterogeneity in individually experienced temperatures (IETs) within an urban neighborhood: ins Int J Biometeorol	Exclude	Yes								
Larsen; R. Snow; G		Multiple Days of Heat Exposure on Firefighters' Work Performance and Physiology PLoS One	Exclude	Yes	-	-	-	-	-	-	-	_
Laxminarayan; M. J		Human Core Temperature Prediction for Heat-Injury Prevention IEEE J Biomed Health I	nf Exclude	Yes	-	-	-	-	-	-	-	-
J. Lee; R. W. Macke		Human monocyte heat shock protein 72 responses to acute hypoxic exercise after 3 days of exerci Biomed Res Int	Exclude	Yes	-	-	-	-	-	-	-	
K. Lee; R. W. Kenef		Novel Cooling Strategies for Military Training and Operations J Strength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
Lee; H. Fujimura; Y	7. Shimo 2015	Verification of impact of morning showering and mist sauna bathing on human physiological func Int J Biometeorol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Leicht; K. Kouda	a; Y. Un 2015	Hot water immersion induces an acute cytokine response in cervical spinal cord injury Eur J Appl Physiol	Exclude	-	-	-	-	-	No	No	-	-
A. Lewis; G. Howa	itson; K. 2015	Alterations in redox homeostasis in the elite endurance athlete Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
A. Loeppky	2015	Plasma volume after heat acclimation: Variations due to season, fitness and methods of measurem Acta Physiol Hung	Exclude	-	No	-	-	-	-	No	-	-
Madrigano; K. Ito; S	S. Johns 2015	A Case-Only Study of Vulnerability to Heat Wave-Related Mortality in New York City (2000-201 Environ Health Perspect	Exclude	Yes	-	-	-	-	-	-	-	-
E. Marino	2015	Time trial performance and pacing in heat is determined by rate of heat gain Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Matsuura; T. Arimit	tsu; T. Y 2015	Effects of heat exposure in the absence of hyperthermia on power output during repeated cycling Biol Sport	Exclude	-	-	-	-	-	-	No	-	-
Matzarakis; D. Fröl		Sport events and climate for visitorsthe case of FIFA World Cup in Qatar 2022 Int J Biometeorol	Exclude	Yes	-	-	-	-	-	-	-	-
S. Metcalfe; F. Kou		Physiological and molecular responses to an acute bout of reduced-exertion high-intensity interva Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Mori; S. Hanida; K.		Minor contributions of the maxillary sinus to the air-conditioning performance in macaque monke J Exp Biol	Exclude	Yes	-	-	-	-	-	-	-	-
I. Nilsson; L. G. M		Combined aerobic exercise and enzyme replacement therapy rejuvenates the mitochondrial-lysosc Free Radic Biol Med	Exclude	Yes	-	-	-	-	-	-	-	-
W. Nolte; T. Hew-B		Exercise-associated hyponatremic encephalopathy and exertional heatstroke in a soldier: High rate Phys Sportsmed	Exclude	Yes	-	-	-	-	-	-	-	-
J. Oliver; A. D. Har		Two nights of sleep deprivation with or without energy restriction does not impair the thermal res Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
J. Pearson; S. R. Hu		A review on the mechanisms of blood-flow restriction resistance training-induced muscle hypertry Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
D. Périard; O. Jay; J		Author's Reply to Brocherie and Millet: 'Is the Wet-Bulb Globe Temperature (WGBT) Index Rele Sports Med	Exclude	Yes	- N:-	-	-	-	-	- N.	-	-
 Périard; S. Racina Périard; S. Racina 		Training and competing in the heat Scand J Med Sci Sports Response Med Sci Sports Exerc	Exclude Exclude	-	No No	-	-	-	-	No No	-	-
 Périard; S. Racina Périard; S. Racina 		Adaptations and mechanisms of human heat acclimation: Applications for competitive athletes an Scand J Med Sci Sports		-		-	-	-	-	No No	-	-
P. Poirier; D. Gagn		Whole-body heat exchange during heat acclimation and its decay Med Sci Sports Exerc	Exclude Exclude	-	No No	-	-	-	-	No	-	-
Qian; M. Li; G. Li;		Environmental heat stress enhances mental fatigue during sustained attention task performing: evi Behav Brain Res	Exclude	Yes	INO -	-				-		-
Racinais; J. M. Alor		Consensus recommendations on training and competing in the heat Br J Sports Med	Exclude	r es	- No	1	1.		1	- No	1	
Racinais: J. M. Alor		Consensus recommendations on training and competing in the heat Scand J Med Sci Sports	Exclude	-	No	-	-	-	-	No	-	-
Racinais; J. D. Péria	,	Effect of heat and heat acclimatization on cycling time trial performance and pacing Med Sci Sports Exerc	Exclude	-	-	-	-	-	_	No	_	_
O. o. Research; Dev		Effect of Heat Exposure on Cognition in Persons With Tetraplegia	Exclude	-	-	-	-	-	No	No	-	-
Rodriguez-Miguelez		Whole-body vibration improves the anti-inflammatory status in elderly subjects through toll-like i Mech Ageing Dev	Exclude	Yes	-	-	-	-	-	-	-	-
Schantz	2015	Along paths converging to Bengt Saltin's early contributions in exercise physiology Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
Schild; A. Ruhs; T.	Beiter; 2015	Basal and exercise induced label-free quantitative protein profiling of m. vastus lateralis in trainec J Proteomics	Exclude	Yes	-	-	-	-	-	-	-	-
J. Schlader; M. S. G	Ganio; J. 2015	Heat acclimation improves heat exercise tolerance and heat dissipation in individuals with extensi J Appl Physiol (1985)	Exclude	-	-	-	-	-	No	No	-	-
Sobajima; T. Nozav	wa; Y. F 2015	Waon therapy improves quality of life as well as cardiac function and exercise capacity in patients Int Heart J	Exclude	-	-	-	-	-	No	No	-	-
Soejima; T. Munem	noto; A. 12015	Effects of Waon therapy on chronic fatigue syndrome: a pilot study Intern Med	Exclude	-	-	-	-	-	No	No	-	-
Stanley; A. Halliday		Effect of sauna-based heat acclimation on plasma volume and heart rate variability Eur J Appl Physiol	Exclude	-	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes

										**Physiology during av	ercise = RPE, heart rate, sweat rate, co	ce temp, and thermal comfort during avarai-	or lactate threshold.
				Decision	Reason(s) for	inclusion/exclus	ion:			rnysiology during ex	ercise - RPE, neart rate, sweat rate, co	e temp, and thermal comfort during exercis	e.
author	Year	Title Jou		Include or exclude?	Irrelevant / off topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
A. Sturgeon; M. M. Tie		Nonlinear Effects of Noxious Thermal Stimulation and Working Memory Demands on Subjective Pair	n Med	Exclude	Yes	-	-	-	-	-	-	-	-
. Tamm; A. Jakobson; M	M. H: 2015	Effects of heat acclimation on time perception Int J	J Psychophysiol	Exclude	-	-	-	-	-	-	No	-	-
A. Taylor	2015	Overwhelming Physiological Regulation Through Personal Protection J Str	rength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
. T. Thomas	2015			Exclude	Yes	-	-	-	-	-	-	-	-
M. Trezza; D. Apolina		,	,	Exclude	-	-	-	-	-	-	No	-	-
Tsuji; Y. Honda; Y. Ike		Voluntary suppression of hyperthermia-induced hyperventilation mitigates the reduction in cerebr Am			Yes	-	-	-	-	-	-	-	-
A. Tuttle; P. C. Castle;		Downhill running and exercise in hot environments increase leukocyte Hsp72 (HSPA1A) and Hsr J Ap		Exclude	Yes	-	-	-	-	-	-	-	-
Vaher; S. Timpmann; M		Impact of acute sodium citrate ingestion on endurance running performance in a warm environme Eur		Exclude	Yes	-	-	-	-	-	-	-	-
E. Veneroso; G. P. Ran		Physical performance and environmental conditions: 2014 World Soccer Cup and 2016 Summer (Tem		Exclude	Yes	-	-	-	-	-	-	-	-
Vrignaud; T. Briot; A. I				Exclude	Yes	-	-	-	-	-	-	-	-
Walker; C. Argus; M. I			J Occup Environ Healt		-	-	-	-	-	-	No No	-	-
G. Willmott; M. Hayes Winter	2015 2015	The reliability of a heat acclimation state test prescribed from metabolic heat production intensitie J Th Effectiveness of targeted home-based hip exercises in individuals with non-specific chronic or red J Ba		Exclude	Vac	-	-	-	-	-	No	-	-
Zurth: B. Schuett: M. G		Pharmacokinetics and adhesion of a transdermal patch containing ethinyl estradiol and gestodene Clin			Yes	-	-	-	-	-	•	-	-
etrn	2015	Can relative motion extension splinting provide an earlier return to hand function than a controlled http	-		Yes	-	-	-	-	-	-	-	-
. M. Adams: Y. Hosoka		An Exertional Heat Stroke Survivor's Return to Running: An Integrated Approach on the Treatme J Sp		Exclude	Yes	-	-	-	-	-	-	-	-
F. Aguiar; S. M. Magal		Post-exercise cold water immersion does not alter high intensity interval training-induced exercise Cell		Exclude	Yes	-	-	-	-	-		<u>-</u>	
P. Akerman; M. Tiptor				Exclude	Yes		-					-	
Amano; N. Gerrett; Y.		Determination of the maximum rate of eccrine sweat glands' ion reabsorption using the galvanic's Eur		Exclude	Yes							-	
M. Andrews; C. Deehl		Core Temperature in Service Members With and Without Traumatic Amputations During a Prolon Mil		Exclude	Yes		-		_	_		_	
G. Bailey; N. T. Cable;		Repeated Warm Water Immersion Induces Similar Cerebrovascular Adaptations to 8 Weeks of Mc Int J		Exclude	-		-		_	_	No		_
N. Balmain; O. Jay; S.				Exclude	Yes	-	-		-	-		-	-
Basu; V. Sarovar; B. J.	. Mal 2016		J Epidemiol	Exclude	Yes	-	-	-	-	-	-	-	-
M. Bateman; M. D. Sh		36th International Symposium on Intensive Care and Emergency Medicine : Brussels, Belgium. 1 Crit		Exclude	Yes	-	-	-	-	-	-	-	-
C. Blakeman; D. Rodri	riquez 2016			Exclude	Yes	-	-	-	-	-	-	-	-
B. Brearley	2016	Pre-deployment Heat Acclimatization Guidelines for Disaster Responders Pref	hosp Disaster Med	Exclude	-	No	-	-	-	-	No	-	-
E. Brunt; M. J. Howard	rd; M. 2016	Passive heat therapy improves endothelial function, arterial stiffness and blood pressure in sedent J Ph	nysiol	Exclude	-	-	-	-	-	-	No	-	-
Buchheit; Y. Cholley;	P. La 2016	Psychometric and Physiological Responses to a Preseason Competitive Camp in the Heat With a (Int.)	J Sports Physiol Perfor	Exclude	Yes	-	-	-	-	-	-	-	-
W. Castellani; A. J. You	ung 2016	Human physiological responses to cold exposure: Acute responses and acclimatization to prolong Auto-	ton Neurosci	Exclude	Yes	-	-	-	-	-	-	-	-
W. Castellani; E. J. Zan	mbras 2016	Does high muscle temperature accentuate skeletal muscle injury from eccentric exercise?	siol Rep	Exclude	Yes	-	-	-	-	-	-	-	-
Chalmers; A. Esterman	n; R. 2016	Brief Heat Training: No Improvement of the Lactate Threshold in Mild Conditions Int J	J Sports Physiol Perfor	Exclude	-	-	-	-	-	-	No	-	-
N. Cramer; O. Jay	2016	7 7		Exclude	Yes	-	-	-	-	-	-	-	-
A. Cuttell; V. Kiri; C. T	,			Exclude	Yes	-	-	-	-	-	-	-	-
D. Dileo; J. B. Powell;		Effect of short-term heat acclimation training on kinetics of lactate removal following maximal ex J Sp		Exclude	-	-	-	-	-	-	No	-	-
Dimauro; N. Mercatelli				Exclude	Yes	-	-	-	-	-	-	-	-
Epstein; R. Yanovich;				Exclude	Yes	-	-	-	-	-	-	-	-
Faure; K. Charlot; S. F		Effect of heat exposure and exercise on food intake regulation: A randomized crossover study in y Met		Exclude	-	-	-	-	-	-	No	-	-
Faure; K. Charlot; S. F		Impaired glucose tolerance after brief heat exposure: a randomized crossover study in healthy you Clin		Exclude	Yes	-	-	-	-	-	-	-	-
R. Gibson; J. A. Tuttle Granata; R. S. Oliveira	.,	Hsp72 and Hsp90α mRNA transcription is characterised by large, sustained changes in core tempe Cell		Exclude	Yes	-	-	-	-	-	-	-	-
K. Harrison; T. E. Kim		Mitochondrial adaptations to high-volume exercise training are rapidly reversed after a reduction. Fasc		Exclude Exclude	Yes Yes	-	-	-	-	-	•	-	-
Haseba; H. Sakakima;		Feasibility of eye-tracking technology to quantify expertise in ultrasound-guided regional anesthe J Ar Combined effects of repeated sauna therapy and exercise training on cardiac function and physica Disc		Exclude	1 08	-	-	-	-	No	No	-	-
Hatvani-Kovacs; M. B				Exclude	Yes	-	-	-	-	INO	INO	-	-
W. Heesch; R. J. Shut		Transcriptional control, but not subcellular location, of PGC-1α is altered following exercise in a 1 J Ap		Exclude	Yes		-	-		-	-	-	-
Hegedüs; J. Varga; A.			Hetil	Exclude	Yes	i.	No	_		T.	_		-
C. Henstridge; M. A. I				Exclude	Yes	-	-	-	-	-		-	-
Houssein; P. Lopes; B			thl Train	Exclude	Yes	-	-	-	-	-	-	-	-
A. James; A. G. Willm		Ischaemic preconditioning does not alter the determinants of endurance running performance in the Eur		Exclude	Yes	-	-	-	-	-	-	-	-
oslin; J. Mularella; A.		Mandatory Rest Stops Improve Athlete Safety during Event Medical Coverage for Ultramarathon Prel		Exclude	Yes	-	-	-	-	-	-	-	-
Kataoka; Y. I. Kamijo;		Effects of hypervolemia by protein and glucose supplementation during aerobic training on therm J Ap		Exclude	Yes	-	-	-	-	-	-	-	1-
Kavanagh; A. T. Davis		Effects of heated hydrotherapy on muscle HSP70 and glucose metabolism in old and young verve Cell		Exclude	-	-	-	-	-	No	No	-	1-
P. Kenny; H. Groeller;			pl Physiol Nutr Metab	Exclude	Yes	-	-	-	-	-	-	-	-
Khadir; S. Kavalakatt;	; J. Al 2016	Physical exercise alleviates ER stress in obese humans through reduction in the expression and re		Exclude	Yes	-	-	-	-	-	-	-	-
A. King; T. L. Clantor	n; O. 2016	Hyperthermia, dehydration, and osmotic stress: unconventional sources of exercise-induced reacti Am			Yes	-	-	-	-	-	-	-	-
		Heat, Human Performance, and Occupational Health: A Key Issue for the Assessment of Global C Ann		Exclude	Yes								

										= time trial, time to exhaustion, race po		
			Danisias	D(-) f:					**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	ore temp, and thermal comfort during exercis	se.
Author	Year	Title Journal	Decision Include or exclude?	Reason(s) for i Irrelevant / off- topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
B. J. Lee; A. Miller; R	R. S. Jam 2016	Cross Acclimation between Heat and Hypoxia: Heat Acclimation Improves Cellular Tolerance and Front Physiol	Exclude	-	-	-	-	-	-	No	-	-
. B. Lee; J. H. Kim; F	H. Murot 2016	Perspiration Functions in Different Ethnic, Age, and Sex Populations: Modification of Sudomotor Curr Probl Dermatol	Exclude	Yes	-	-	-	-	-	-	-	-
R. Leon	2016	Common mechanisms for the adaptive responses to exercise and heat stress J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	No	-	-
L. G. Madeira; R. L. P	Passos; J 2016	Autonomic thermoregulatory dysfunction in neurofibromatosis type 1 Arq Neuropsiquiatr	Exclude	Yes	-	-	-	-	-	-	-	-
E. Madrid; G. Urrútia;	; M. Roq 2016	Active body surface warming systems for preventing complications caused by inadvertent periope Cochrane Database of Sy	s Exclude	Yes	-	-	-	-	-	-	-	-
S. L. Maynard; R. Kao		Impact of personal protective equipment on clinical output and perceived exertion J R Army Med Corps	Exclude	Yes	-	-	-	-	-	-	-	-
B. K. McFarlin; A. L.		A shirt containing multistage phase change material and active cooling components was associate Ergonomics	Exclude	Yes	-	-	-	-	-	-	-	-
M. P. Meaney; D. C. N	Nieman; 2016	Measuring Granulocyte and Monocyte Phagocytosis and Oxidative Burst Activity in Human Bloo J Vis Exp	Exclude	Yes	-	-	-	-	-	-	-	-
J. A. Mee; O. R. Gibso		Leukocyte Hsp72 mRNA transcription does not differ between males and females during heat acc Temperature (Austin)	Exclude	Yes	-	-	-	-	-	-	-	-
C. T. Minson; J. D. Co	otter 2016	CrossTalk proposal: Heat acclimatization does improve performance in a cool condition J Physiol	Exclude	-	No	-	-	-	-	No	-	-
A. C. Moore; M. J. Sta		Risk factors for heat illness among British soldiers in the hot Collective Training Environment J R Army Med Corps	Exclude	Yes	-	-	-	-	-	-	-	-
H. Nakagawa; T. Mats		Changes of brain monoamine levels and physiological indexes during heat acclimation in rats J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
H. Nakata; M. Oshiro;		Effects of aerobic exercise under different thermal conditions on human somatosensory processing Am J Physiol Regul Integration		Yes	-	-	-	-	-	-	-	-
R. A. Neal; J. Corbett;		Effect of short-term heat acclimation with permissive dehydration on thermoregulation and tempe Scand J Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
L. Nybo; C. Lundby	2016	CrossTalk opposing view: Heat acclimatization does not improve exercise performance in a cool (J Physiol	Exclude	-	No	-	-	-	-	No	-	-
K. O'Hearn; H. C. Tin		Heat exposure increases circulating fatty acids but not lipid oxidation at rest and during exercise J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Osailan; G. S. Mets		Factors associated with parasympathetic activation following exercise in patients with rheumatoid BMC Cardiovasc Disord	Exclude	Yes	-	-	-	-	-	-	-	-
J. G. Pallarés; A. Mart		Muscle contraction velocity, strength and power output changes following different degrees of hy J Int Soc Sports Nutr	Exclude	Yes	-	-	-	-	-	-	-	-
J. D. Périard; G. J. S.		Cardiovascular adaptations supporting human exercise-heat acclimation Auton Neurosci	Exclude	-	No	-	-	-	-	No	-	-
O. J. Perkin; R. L. Tra		Exercise strategies to protect against the impact of short-term reduced physical activity on muscle Trials	Exclude	Yes	-	-	-	-	-	-	-	-
E. Pezzolo; A. Peroni;	,	Heat urticaria: a revision of published cases with an update on classification and management Br J Dermatol	Exclude	Yes	-	-	-	-	-	-	-	-
M. P. Poirier; D. Gagn		Local versus whole-body sweating adaptations following 14 days of traditional heat acclimation Appl Physiol Nutr Metab	Exclude	-	-	-	-	-	-	No	-	-
A. Psikuta; K. Kuklan		Opportunities and constraints of presently used thermal manikins for thermo-physiological simula Int J Biometeorol	Exclude	Yes	-	-	-	-	-	-	-	-
W. O. Roberts; J. C. D		Recurrent Heat Stroke in a Runner: Race Simulation Testing for Return to Activity Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
P. K. Rout; R. Kaushil		Differential expression pattern of heat shock protein 70 gene in tissues and heat stress phenotypes Cell Stress Chaperones	Exclude	Yes	-	-	-	-	-	-	-	-
A. D. Ruddock; S. W.		Combined active and passive heat exposure induced heat acclimation in a soccer referee before 20 Springerplus	Exclude	-	No	-	-	-	-	No	No	-
C. Schmit; R. Duffield		Pacing Adjustments Associated With Familiarization: Heat Versus Temperate Environments Int J Sports Physiol Perfo		Yes	-	-	-	-	-	-	-	-
H. Shen; S. Tang; T. N	-	Condomless Vaginal Intercourse and Its Associates among Men Who Have Sex with Men in Chin PLoS One	Exclude	Yes	-	-	-	-	-	-		-
P. Song; S. Li; H. Wu;		Parkin promotes proteasomal degradation of p62: implication of selective vulnerability of neurona Protein Cell	Exclude	Yes	-	-	-	-	-	-	-	-
J. Suyama; S. J. McEr		Pilot Study Examining the Effects of Atropine on Performance during Uncompensable Heat Stress Prehosp Emerg Care	Exclude	Yes	-	-	-	-	-	-	-	-
B. D. Sylvester; D. R.		Effects of Variety Support on Exercise-Related Well-Being Appl Psychol Health Wel		Yes	-	-	-	-	-	-	-	-
L. Taylor; B. J. Lee; O		Effective microorganism - X attenuates circulating superoxide dismutase following an acute bout Res Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
M. B. Trbovich; J. B.	/	The effects of a heat acclimation protocol in persons with spinal cord injury J Therm Biol	Exclude	-	-	-	-	-	No	No	-	-
C. J. Tyler; T. R. Coffe		Acute L-arginine supplementation has no effect on cardiovascular or thermoregulatory responses Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
C. J. Tyler; T. Reeve;		The Effects of Heat Adaptation on Physiology, Perception and Exercise Performance in the Heat: Sports Med	Exclude	-	No	-	-	-	-	No	-	-
J. D. M. Vloothuis; M			s Exclude	Yes	•	-	-	-	-	-	-	-
N. C. Voermans; M. S. A. J. Wadley; J. E. Tui		RYR1-related rhabdomyolysis: A common but probably underdiagnosed manifestation of skeletal Rev Neurol (Paris) Factors influencing post-exercise plasma protein carbonyl concentration Free Radic Res	Exclude Exclude	Yes		-	-	-	-	-	-	-
				- 10	-	-	-	-	-	-	-	-
N. P. Walsh; S. J. Oliv S. Warttig; P. Aldersor		Exercise, immune function and respiratory infection: An update on the influence of training and et Immunol Cell Biol Intravenous nutrients for preventing inadvertent perioperative hypothermia in adults Cochrane Database of Sy	Exclude	Yes Yes	-	-	-	-	-	-	-	-
A. C. White; R. M. Sa		The effect of 10 days of heat acclimation on exercise performance in acute hypobaric hypoxia (43 Temperature (Austin)	Exclude	r es	-					- No		-
A. G. Willmott; O. R.	-	The effects of single versus twice daily short term heat acclimation on heat strain and 3000m runn J Therm Biol	Exclude	-		1	T.		T.	No		-
G. L. Wingfield; R. G		The effect of high versus low intensity heat acclimation on performance and neuromuscular respo J Therm Biol	Exclude	1		1	T.		T.	No		-
S. Zhi; G. Banting; Q.		Evidence of Naturalized Stress-Tolerant Strains of Escherichia coli in Municipal Wastewater Trea Appl Environ Microbiol	Exclude	Yes	1		-		-	_	+	±
M. J. Zurawlew; N. P.		Post-exercise hot water immersion induces heat acclimation and improves endurance exercise per Scand J Med Sci Sports	Include	103	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Actrn	2016	Oxytocin in Chronic Neck and Shoulder Pain http://www.who.int/trials	e Exclude	Yes	-	-	-	-	-	-	-	-
Actrn	2016	In individuals undergoing simultaneous bilateral total knee replacement, does making a lateral ski http://www.who.int/trials		Yes		-	_	-	_	_		_
Actrn	2016	Interventions to improve gait and reduce falls in people with multiple sclerosis (MS) http://www.who.int/trials		Yes		-	_	-	_	_		_
E. L. Adams; L. W. Va		Effects of heat acclimation on hand cooling efficacy following exercise in the heat J Sports Sci	Exclude	-		-	_	-	_	No	_	_
Γ. Amano: N. Fuiii: G.		Do nitric oxide synthase and cyclooxygenase contribute to sweating response during passive heati Physiol Rep	Exclude	Yes	-	-	-	-	-	-		
L. B. Baker	2017	Sweating Rate and Sweat Sodium Concentration in Athletes: A Review of Methodology and Intra Sports Med	Exclude	Yes	-	-	-	-	-	-		_
B. N. Balmain; S. Sab		Heart Failure and Thermoregulatory Control: Can Patients With Heart Failure Handle the Heat? J Card Fail	Exclude	Yes		-	-	-	-	-	-	-
C. N. Bardis; S. A. Ka		Prescribed Drinking Leads to Better Cycling Performance than Ad Libitum Drinking Med Sci Sports Exerc	Exclude	Yes		-	-	-	-	-	-	-
D. Bhattacharyya; M.		Effect of load carriage and natural terrain conditions on cognitive performance in desert environm Physiol Behav	Exclude	Yes	-	-	-	-	-	-	-	-
S. H. Bishop; D. J. Sz		The Effect of Intermittent Vest Cooling on Thermoregulation and Cardiovascular Strain in Baseba J Strength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
D. J. Brown; D. Fletch		Effects of Psychological and Psychosocial Interventions on Sport Performance: A Meta-Analysis Sports Med	Exclude	Yes	_	_	_		_	_	1_	1_

												e temp, and thermal comfort during exercis	or lactate threshold.
				Decision	Reason(s) for	inclusion/exclus	ion:			**Physiology during ex	ercise = KPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
author	Year	Title Jour	rnal	Include or exclude?	Irrelevant / off topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
Bruchim; M. Horowit	tz; I. A 2017	Pathophysiology of heatstroke in dogs - revisited Temp	perature (Austin)	Exclude	Yes	-	-	-	-	-	-	-	-
R. Casadio; A. E. Kild	ding; J 2017	From Lab to Real World: Heat Acclimation Considerations for Elite Athletes Sport	ts Med	Exclude	-	No	-	-	-	-	No	-	-
S. Celi	2017	Human Brown Adipose Tissue Plasticity: Hormonal and Environmental Manipulation Horn	nones, Metabolism ar	Exclude	Yes	-	-	-	-	-	-	-	-
. Charlot; C. Faure; S.	Antoii 2017	Influence of Hot and Cold Environments on the Regulation of Energy Balance Following a Single Nutri	ients	Exclude	-	No	-	-	-	-	No	-	-
Chu; C. Chen; J. Li; X	X. Che 2017	Effects of Tibetan turnip (Brassica rapa L.) on promoting hypoxia-tolerance in healthy humans J Eth	inopharmacol	Exclude	Yes	-	-	-	-	-	-	-	-
. T. Cumming; T. Raast	stad; A 2017	Vitamin C and E supplementation does not affect heat shock proteins or endogenous antioxidants BMC	C Nutr	Exclude	Yes	-	-	-	-	-	-	-	-
Daniels; M. E. Loades	s 2017	A Novel Approach to Treating CFS and Co-morbid Health Anxiety: A Case Study	Psychol Psychother	Exclude	Yes	-	-	-	-	-	-	-	-
Druyan; D. Atias; I. K	Ketko; 2017	The effects of smoking and nicotine ingestion on exercise heat tolerance J Bas	sic Clin Physiol Pharr	Exclude	Yes	-	-	-	-	-	-	-	-
G. Dulloo; J. L. Miles	es-Chai 2017	Isometric thermogenesis at rest and during movement: a neglected variable in energy expenditure Obes	s Rev	Exclude	Yes	-	-	-	-	-	-	-	-
M. Edinburgh; A. Her	engist; 2017	Prior exercise alters the difference between arterialised and venous glycaemia: implications for ble Br J	Nutr	Exclude	Yes	-	-	-	-	-	-	-	-
Fernandez Rojas; X. I	Huang 2017	Toward a functional near-infrared spectroscopy-based monitoring of pain assessment for nonverba J Bio	omed Opt	Exclude	Yes	-	-	-	-	-	-	-	-
. Gerwyn; M. Maes	2017	Mechanisms Explaining Muscle Fatigue and Muscle Pain in Patients with Myalgic Encephalomye Curr	Rheumatol Rep	Exclude	Yes	-	-	-	-	-	-	-	-
R. Gibson; L. Taylor;	, P. W. 2017	Cross-Adaptation: Heat and Cold Adaptation to Improve Physiological and Cellular Responses to Sport	ts Med	Exclude	-	No	-	-	-	-	No	-	-
. R. Gibson; A. G. Will	llmott; 2017	Power Relative to Body Mass Best Predicts Change in Core Temperature During Exercise-Heat St J Street	ength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
Gollan; S. Chalmers;	S. Ald 2017	Supplemental intermittent-day heat training and the lactate threshold J The	erm Biol	Exclude	-	-	-	-	-	-	No	-	-
T. Gonzalez; C. J. Fuc	chs; J. 2017	Glucose Plus Fructose Ingestion for Post-Exercise Recovery-Greater than the Sum of Its Parts? Nutri	ients	Exclude	Yes	-	-	-	-	-	-	-	-
Goodall; K. Thomas;	M. Ba 2017	Neuromuscular changes and the rapid adaptation following a bout of damaging eccentric exercise Acta	Physiol (Oxf)	Exclude	Yes	-	-	-	-	-	-	-	-
P. Handrakis; Z. Ni Gu	uan; J. 2017	Effect of Heat Exposure on Cognition in Persons with Tetraplegia J Net	urotrauma	Exclude	-	-	-	-	-	No	No	-	-
Harris; T. F. Moe; H.	R. Eri 2017	Brief intervention, physical exercise and cognitive behavioural group therapy for patients with chi Eur J	J Pain	Exclude	Yes	-	-	-	-	-		-	-
M. Hinkley; A. R. Kor	nopka 2017	Short-term intense exercise training reduces stress markers and alters the transcriptional response Am J	J Physiol Regul Integ	Exclude	Yes	-	-	-	-	-	-	-	-
L. Hunter; A. S. Shah	h; J. P. 2017	Fire Simulation and Cardiovascular Health in Firefighters Circu	ulation	Exclude	Yes	-	-	-	-	-		-	-
Ishiwata; H. Hasegaw	va; B. 12017	Involvement of serotonin in the ventral tegmental area in thermoregulation of freely moving rats Neuro	rosci Lett	Exclude	Yes	-	-	-	-	-	-	-	-
RCTN14415088	2017	Influence of recovery strategies upon performance and perceptions following fatiguing exercise		Exclude	Yes	-	-	-	-	-	-	-	-
A. James; A. J. Richar	ardson; 2017	Short-term heat acclimation improves the determinants of endurance performance and 5-km runni Appl	Physiol Nutr Metab		-	-	-	-	-	-	No		-
M. Jones; K. A. Rosto	omily; 2017	Cold Acclimation Does Not Alter Physiological or Perceptual Responses During Subsequent Exer Mil M		Exclude	Yes	-	-	-	-	-	-	-	-
W. Kenefick; K. R. H	Jeaven 2017	Effect of Physical Load on Aerobic Exercise Performance during Heat Stress Med	Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
P. Kenny; R. McGinn	n 2017	Restoration of thermoregulation after exercise J App	pl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
. A. King; L. R. Leon;	D. A. 2017		pl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
Krstie; W. Yuchi; H. O	C. Ho; 2017	The Heat Exposure Integrated Deprivation Index (HEIDI): A data-driven approach to quantifying Envir	ron Int	Exclude	Yes	-	-	-	-	-	-	-	-
Legault; A. Clement;	G. P. 2017	Cognitive consequences of sleep deprivation, shiftwork, and heat exposure for underground miner Appl	l Ergon	Exclude	Yes	-	-	-	-	-	-	-	-
H. Lei; S. R. Stannard		Influence of menstrual phase and arid vs. humid heat stress on autonomic and behavioural thermo J Phy		Exclude	Yes	-	-	-	-	-	-	-	-
Lindemann; A. Stotz;	; N. Bc 2017	Effect of Indoor Temperature on Physical Performance in Older Adults during Days with Normal Int J	Environ Res Public I	Exclude	Yes	-	-	-	-	-	-	-	-
Lloyd; L. Picton; M. I	Raccu 2017	Localized and systemic variations in central motor drive at different local skin and muscle temper Am J			Yes	-	-	-	-	-	-	-	-
M. Luhring; J. P. DeL	ong 2017	Scaling from Metabolism to Population Growth Rate to Understand How Acclimation Temperatur Integ		Exclude	Yes	-	-		-	-			-
Maeda	2017	Relationship between maximum oxygen uptake and peripheral vasoconstriction in a cold environr J Phy		Exclude	Yes	-	-	_	-	_	-	_	_
J. Marquardt; A. B. B		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rol Clin	Exclude	Yes	-	-		-	-			-
Mazlomi; F. Golbaba		The influence of occupational heat exposure on cognitive performance and blood level of stress h Int J	Occup Saf Ergon	Exclude	1-	-	-	-	-	-	No	-	-
McArdle; M. J. Jacks	,	The role of attenuated redox and heat shock protein responses in the age-related decline in skeleta Essay		Exclude	Yes	-	-	-		-	-	-	-
L. McCleave; K. M. S				Exclude	1-	-	-	-	-	-	No	-	-
McGinn; M. P. Poirie				Exclude	Yes	-		-	-	_	-	-	-
Minahan; M. Melniko			J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Miragem; P. I. Hor		Nitric oxide-heat shock protein axis in menopausal hot flushes: neglected metabolic issues of chrc Hum		Exclude	Yes	-	-	-	-	-			-
Nicolò; C. Massaroni		1 1	t Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
L. Nielsen; P. Aagaard		Blood flow restricted training leads to myocellular macrophage infiltration and upregulation of he J Phy		Exclude	Yes	-	_	_	_	_	-	-	_
Njemini; L. N. Forti;		Sex difference in the heat shock response to high external load resistance training in older humans Exp 0		Exclude	Yes	-	-	_	-	_	-	-	_
R. Notley; J. Park; K.		Variations in body morphology explain sex differences in thermoeffector function during compen; Exp I		Exclude	Yes	-	-	-	-	-			-
O'Reilly; H. L. Cheng;	-	New insights in professional horse racing; in-race" heart rate data, elevated fracture risk, hydratioi J Spo	•	Exclude	Yes	-	-	-	-	-	-	-	-
Otani; T. Goto; H. Go		Time-of-day effects of exposure to solar radiation on thermoregulation during outdoor exercise in Chro		Exclude	Yes	-	_	_	-	-	-	-	_
Pallubinsky; L. Schel			perature (Austin)	Exclude	-	-	-	_	-	_	No	_	-
Park; J. Jeong	2017	Total Power Radiometer for Medical Sensor Applications Using Matched and Mismatched Noise Sensor		Exclude	Yes	1.	T.	-		Ti-	_	_	-
Pearson; M. S. Ganio;		Post Junctional Sudomotor and Cutaneous Vascular Responses in Noninjured Skin Following Hea J Bur		Exclude	Yes	-[-	TÎ.	_	-[-	H.		_	_
D. Périard; S. Racinais		Strategies and factors associated with preparing for competing in the heat: a cohort study at the 20 Br J		Exclude	i es	No	T.	_	-[Ti-	No.	_	_
P. Philp; M. Buchheit.		Does Short-Duration Heat Exposure at a Matched Cardiovascular Intensity Improve Intermittent-I Int J			T.	-	-E	-			No		±
F. Piil: J. Lundbve-Jen			perature (Austin)		Vac	+	1	-	-	-	110	-	+
Pollak; G. Merin; M.		Heat Acclimatization Protects the Left Ventricle from Increased Diastolic Chamber Stiffness Imm Front		Exclude	Yes	No.	+	-	-	-	No.	•	+
C. D. Pomatto; K. J. A		The role of declining adaptive homeostasis in ageing J Phy		Exclude Exclude	Yes	No	-	-	-	-	No	•	-

													or lactate threshold.
			D		D(-) f	:1	:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
	Veen	Title		Decision		inclusion/exclus		Door wasiawad	Full tout	Haalthu mala an	>20 mins of at least	A control arrows	Outromos mossonina
Luthor	Year	Title Journa		nclude or xclude?	Irrelevant / off topic?	trial design?	English language?	Peer-reviewed journal?	Full text available?	female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
. K. Powers	2017			xclude	Yes	-	-	-	-	-	-	-	-
. Racinais; M. G. Wilson	,			xclude	-	-	-	-	-	-	No	-	-
. Racinais; M. G. Wilson	7	· · · · · · · · · · · · · · · · · · ·	hysiol Regul Integr E		-	-	-	-	-	-	No	-	-
R. A. Rendell; J. Prout; J.		Effects of 10 days of separate heat and hypoxic exposure on heat acclimation and temperate exerc Am J Ph			-	-	-	-	-	-	No	-	-
E. Rivas; M. Rao; T. Cast		The change in metabolic heat production is a primary mediator of heat acclimation in adults J Therm		xclude	Yes	-	-	-	-	-	-	-	-
R. J. Roberge; J. H. Kim; R. M. Salgado; A. C. Shea		Umbilical temperature correlation with core and skin temperatures at rest, in the heat and during p Int J Hy Mitochondrial efficiency and exercise economy following heat stress: a potential role of uncoupli Physiol	-	xclude	Yes	-	-	-	-	-	-	-	-
C. Schmit; Y. Le Meur; R.				xclude	Yes	-	-	-	-	-	- No	-	-
P. M. Slepian: C. R. France		The effect of resilience on task persistence and performance during repeated exposure to heat pair J Behav	-	xclude	Yes	-	-	-	-	-	INO	-	-
/. Soancatl Aguilar; J. v. o		Visual Data Exploration for Balance Quantification in Real-Time During Exergaming PLoS O		xclude	Yes	-	-	-	-	-	-	-	-
P. Songsorn; J. Ruffino; N		No effect of acute and chronic supramaximal exercise on circulating levels of the myokine SPAR(Eur J Sp		exclude	Yes	-	-	-	-	-	-	-	-
C. M. A. Thompson; A. N		Chronic heat exposure for health and exercise performance - cardiovascular research heats up J Physic		exclude	-	No.	-	-	-	-	- No	-	-
M. J. Tipton; N. Collier; I		Cold water immersion: kill or cure?		xclude	Yes	-		-		-	-	-	-
r. T. Truxton; K. C. Mille		Can Temperate-Water Immersion Effectively Reduce Rectal Temperature in Exertional Heat Stroy J Sport	,	xclude	Yes	-	-	-	-	-	-	-	-
G. E. Vincent; B. Aisbett;		The Impact of Heat Exposure and Sleep Restriction on Firefighters' Work Performance and Physic Int J En		xclude	Yes	-	-	_	-	_	-		-
T. Wijayanto; S. Toramoto		Cognitive performance during passive heat exposure in Japanese males and tropical Asian males f J Physic		xclude	Yes	-	-	-	-	-	-	-	-
A. G. B. Willmott; M. Ha	yes; 2017	Short-term heat acclimation prior to a multi-day desert ultra-marathon improves physiological and J Sports	Sci E	xclude	-	No	-	-	-	-	No	-	-
. Xu; N. Driedonks; M. J	J. M. 2017	Mapping quantitative trait loci for heat tolerance of reproductive traits in tomato (Solanum lycope Mol Bre		xclude	Yes	-	-	-	-	-	-	-	-
. E. Yardley; S. R. Colber	erg 2017	Update on Management of Type 1 Diabetes and Type 2 Diabetes in Athletes Curr Sp.	orts Med Rep E:	xclude	Yes	-	-	-	-	-	-	-	-
M. Zeltner; I. Sailer; S. M	fühle 2017	Randomized controlled within-subject evaluation of digital and conventional workflows for the fa J Prosth	net Dent E:	xclude	Yes	-	-	-	-	-	-	-	-
F. Zhang; R. de Dear	2017	University students' cognitive performance under temperature cycles induced by direct load control Indoor	Air E	exclude	Yes	-	-	-	-	-	-	-	-
Actrn	2017	#MindinBody: impacts of two types of exercise (Bikram yoga versus Adrenaline HIT) on persiste http://ww	ww.who.int/trialse E	xclude	Yes	-	-	-	-	-	-	-	-
Actrn	2017	The influence of aerobic exercise on Conditioned Pain Modulation (CPM) and Manipulation Indu http://www	ww.who.int/trialse E	xclude	Yes	-	-	-	-	-	-	-	-
Actrn	2017	The effect of post-exercise water immersion on muscular performance in athletes https://w	www.cochranelibra E	exclude	-	-	-	-	-	-	No	Yes	No
S. J. Agosta; K. A. Joshi;		Upper thermal limits differ among and within component species in a tritrophic host-parasitoid-hy PLoS O	one E	xclude	Yes	-	-	-	-	-	-	-	-
A. F. Alghannam; J. T. Go	onzal 2018	Restoration of Muscle Glycogen and Functional Capacity: Role of Post-Exercise Carbohydrate an Nutrient	ts E	exclude	Yes	-	-	-	-	-	-	-	-
A. E. Archer; A. T. Von So			Frans R Soc Lond I E		Yes	-	-	-	-	-	-	-	-
E. Armstrong; E. C. Le		Interactions of Gut Microbiota, Endotoxemia, Immune Function, and Diet in Exertional Heatstrok J Sports			Yes	-	-	-	-	-	-	-	-
C. L. Atkinson; H. H. Car			,	exclude	Yes	-	-	-	-	-	-	-	-
3. N. Balmain; S. Sabapa		Aging and Thermoregulatory Control: The Clinical Implications of Exercising under Heat Stress Biomed		xclude	Yes	-	-	-	-	-	-	-	-
D. R. Barley; D. W. Chap			orts Physiol Perfor E		Yes	-	-	-	-	-	-	-	-
. Belaya; M. Suwa; T. Ch				xclude	Yes	-	-	-	-	-	-	-	-
B. C. Bernardo; J. Y. Y. O		Understanding Key Mechanisms of Exercise-Induced Cardiac Protection to Mitigate Disease: Cur Physiol		xclude	Yes	-	-	-	-	-	-	-	-
P. Bröde; D. Fiala; B. Len		Estimated work ability in warm outdoor environments depends on the chosen heat stress assessme Int J Bio		xclude	Yes	-	-	-	-	-	-	-	-
M. J. Buller; A. P. Welles; M. J. Buono; M. Kolding;				xclude	Yes	-	-	-	-	-	- No	-	-
 J. Buono; M. Kolding; M. Burtscher; H. Gatterer 		Heat acclimation causes a linear decrease in sweat sodium ion concentration J Therm Extreme Terrestrial Environments: Life in Thermal Stress and Hypoxia. A Narrative Review Front Pl		exclude exclude	Yes	-	-	-	-	-	No	-	-
M. Cernych; A. Satas; M.		Post-sauna recovery enhances brain neural network relaxation and improves cognitive economy it Int J Hy		xclude	Yes	-	-	-	-	-	-	-	-
R. Chou: P. Côté: K. Ranc		The Global Spine Care Initiative: applying evidence-based guidelines on the non-invasive manage Eur Spin		xclude	Yes	-	-	-	-	-	-	-	-
R. Chrétien; S. Lavoie; P.		Reduced endogenous pain inhibition in adolescent girls with chronic pain Scand J		xclude	Yes		-		-	-		-	-
. Corbett; R. A. Rendell;		Inter-individual variation in the adaptive response to heat acclimation J Therm		xclude	-	1.	-		-	-	No	-	-
. T. Costello: R. A. Rende		Effects of acute or chronic heat exposure, exercise and dehydration on plasma cortisol, IL-6 and C Cytokin		xclude				_	-	_	No		
H. A. M. Daanen; S. Racii	. ,	Heat Acclimation Decay and Re-Induction: A Systematic Review and Meta-Analysis Sports M		xclude	-	No	-	-	-	-	-	-	-
A. A. Dalina; I. E. Kovale				xclude	Yes	-	-	-	-	-	-	-	-
Damas; C. Ugrinowitse		Resistance training in young men induces muscle transcriptome-wide changes associated with mu Eur J Ap		xclude	Yes	-		-	-	-	-	-	-
B. R. Ely; L. A. Blanchard				xclude	Yes	-	-	-	-	-	-	-	-
L. Eschen; J. Abel; R. Gra		ACTIVE-CONTRACTING VARIABLE-STIFFNESS FABRICS FOR SELF-FITTING WEARA Proc AS		xclude	Yes	-	-	-	-	-	-	-	-
A. Falgiano; T. L. Gillu		Dietary curcumin supplementation does not alter peripheral blood mononuclear cell responses to (Eur J Ap		xclude	Yes	-	-	-	-	-	-	-	-
A. D. Flouris; R. McGinn	ı; M. 2018	Screening criteria for increased susceptibility to heat stress during work or leisure in hot environm Tempera		xclude	Yes	-	-	-	-	-	-	-	-
N. Fujii; R. D. Meade; J. 0		Effect of P2 receptor blockade on cutaneous vasodilation during rest and exercise in the heat in ye Appl Ph		exclude	Yes	-	-	-	-	-	-	-	-
C. M. Goertz; C. R. Long	; R. 12018	Effect of Usual Medical Care Plus Chiropractic Care vs Usual Medical Care Alone on Pain and D JAMA	Netw Open E	xclude	Yes	-	-	-	-	-	-	-	-
E. D. B. Goulet; M. O. M	Iélan 2018	Impact of Mild Hypohydration on Muscle Endurance, Power, and Strength in Healthy, Active Old J Streng	gth Cond Res E	xclude	Yes	-	-	-	-	-	-	-	-
K. Guirguis; R. Basu; W.		Heat, Disparities, and Health Outcomes in San Diego County's Diverse Climate Zones Geoheal	lth E	xclude	Yes	-	-	-	-	-	-	-	-
P. S. Hafen; C. N. Preece;	; J. R 2018	Repeated exposure to heat stress induces mitochondrial adaptation in human skeletal muscle J Appl F	Physiol (1985) E:	xclude	-	-	-	-	-	-	No	-	-
. F. Harrison	2018	Approaches for testing hypotheses for the hypometric scaling of aerobic metabolic rate in animals Am J Ph	hysiol Regul Integr E	xclude	Yes	-	-	-	-	-	_	_	-

											re temp, and thermal comfort during exercis	or lactate threshold.
			Decision	Reason(s) fo	r inclusion/exclus	ion:			**Physiology during ex	ercise = RPE, neart rate, sweat rate, co	e temp, and thermal comfort during exercis	e.
uthor	Year	Title Journal	Include or exclude?		off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
L. J. Heaney; S. C. Kill	iller; I. 2018	Intensified training increases salivary free light chains in trained cyclists: Indication that training Physiol Behav	Exclude	Yes	-	-	-	-	-	-	-	-
L. Heathcote; P. Hassn	mén; £2018	Passive Heating: Reviewing Practical Heat Acclimation Strategies for Endurance Athletes Front Physiol	Exclude	-	No	-	-	-	-	-	-	-
J. Hodges; D. G. Stew		Episodic bouts of hyperaemia and shear stress improve arterial blood flow and endothelial functio Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
G. Hoehne; D. M. Hor		Heat exposure during outdoor activities in the US varies significantly by city, demography, and ac Health Place	Exclude	Yes	-	-	-	-	-	-	-	-
P. Hoekstra; N. C. Bish		Acute and chronic effects of hot water immersion on inflammation and metabolism in sedentary, (J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
R. Hood; S. N. Austac		The Mitochondrial Contribution to Animal Performance, Adaptation, and Life-History Variation Integr Comp Biol	Exclude	Yes	-	-	-	-	-	-	-	-
C. Hung; Y. H. Liao; Y		Hot Water Bathing Impairs Training Adaptation in Elite Teen Archers Chin J Physiol	Exclude	-	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
D. Hunter; J. Laosiripi		Effects of yoga interventions practised in heated and thermoneutral conditions on endothelium-de Exp Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
A. James; A. J. Richar		Short-Term Heat Acclimation and Precooling, Independently and Combined, Improve 5-km Time J Strength Cond Res Applied Sport Science of Australian Football: A Systematic Review Sports Med	Exclude	- 1/	-	-	-	-	-	No	-	-
D. Johnston; G. M. Bl. M. Jones: B. Roelands		Tr	Exclude	Yes	-	-	-	-	-	-	-	-
M. Jones; B. Roelands Kadlecová; T. Jirsa; O		Impairment of exercise performance following cold water immersion is not attenuated after 7 day: Eur J Appl Physiol Natural plant hormones cytokinins increase stress resistance and longevity of Caenorhabditis eleg Biogerontology	Exclude Exclude	Yes Yes	-	-	-	-	-	-	+	1
L. Kimball; P. M. McC		Whole body heat exposure modulates acute glucose metabolism Int J Hyperthermia	Exclude	Yes	-		-		-	-	-	-
Kramerova: J. A. Torre		Whole body heat exposure modulates acute glucose metabolism Calpain 3 and CaMKIIβ signaling are required to induce HSP70 necessary for adaptive muscle gri Hum Mol Genet	Exclude	Yes	-	1	1		T.		-[£
K. Kunutsor; H. Khan;	,	Joint associations of sauna bathing and cardiorespiratory fitness on cardiovascular and all-cause if Ann Med	Exclude	Yes		-	-	-	-	-		
A. Laukkanen; T. Lauk		Combined Effect of Sauna Bathing and Cardiorespiratory Fitness on the Risk of Sudden Cardiac I Prog Cardiovasc Dis	Exclude	Yes							-	
Laxminarayan; V. Rak		Individualized estimation of human core body temperature using noninvasive measurements J Appl Physiol (1985)	Exclude	Yes	-	-	_	-	_	-	-	
J. Lee; N. D. Clarke; J		Whole body precooling attenuates the extracellular HSP72, IL-6 and IL-10 responses after an acu J Sports Sci	Exclude	Yes	-	-	-	-	-	-	_	-
G. Lee; K. R. Kim; J.		Effects of heat waves on daily excess mortality in 14 Korean cities during the past 20 years (1991 Int J Biometeorol	Exclude	Yes	-	-	_	-	-	-	_	-
S. Leicht; A. D. Flouri		Age alters cardiac autonomic modulations during and following exercise-induced heat stress in fe Temperature (Austin)	Exclude	Yes	-	-	-	-	-	-	-	-
S. Leicht; A. Halliday;	y; W. I 2018		Exclude	-	No	Yes	Yes	Yes	Yes	Yes	No	Yes
D. Lennox; M. Cecchi		Safety and tolerability of sauna detoxification for the protracted withdrawal symptoms of substanc J Int Med Res	Exclude	Yes	-	-	-	-	-	-	-	-
Luther; J. Gabriel; R.	. P. Wa 2018	The Impact of Total Body Prehabilitation on Post-Operative Outcomes After Major Abdominal Su World J Surg	Exclude	Yes	-	-	-	-	-	-	-	-
MacLean; J. Dillon; J.	J. A. B 2018	The effect of low volume sprint interval training in patients with non-alcoholic fatty liver disease Phys Sportsmed	Exclude	Yes	-	-	-	-	-	-	-	-
Malgoyre; P. E. Tardo-	o-Dinc 2018	Uncoupling psychological from physiological markers of heat acclimatization in a military contex J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
E. Marino	2018	The influence of thermal inputs on brain regulation of exercise: An evolutionary perspective Prog Brain Res	Exclude	Yes	-	-	-	-	-	-	-	-
M. McClelland; S. F. G	Godek 2018	Effects of Cardiovascular Fitness and Body Composition on Maximal Core Temperature in Colleg J Strength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
McGorm; L. A. Rober	erts; J. 2018	Turning Up the Heat: An Evaluation of the Evidence for Heating to Promote Exercise Recovery, N Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Mehiriz; P. Gosselin; I	I. Tan 2018	The Effect of an Automated Phone Warning and Health Advisory System on Adaptation to High I Int J Environ Res Public I	Exclude	Yes	-	-	-	-	-	-	-	-
Mujika; S. Halson; L. N		An Integrated, Multifactorial Approach to Periodization for Optimal Performance in Individual an Int J Sports Physiol Performance		Yes	-	-	-	-	-	-	-	-
R. Notley; A. D. Flour		On the use of wearable physiological monitors to assess heat strain during occupational heat stress Appl Physiol Nutr Metab		Yes	-	-	-	-	-	-	-	-
R. Notley; E. A. Taylor		Cutaneous vasomotor adaptation following repeated, isothermal heat exposures: evidence of adap Appl Physiol Nutr Metab		Yes	-	-	-	-	-	-	-	-
Okerblom; W. Fletes; I		Human-like Cmah inactivation in mice increases running endurance and decreases muscle fatigab Proc Biol Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Pankam; S. Saensiriph		The validation and evaluation of anti-HIV testing algorithm used in mobile clinic setting for men Asian Pac J Allergy Immu		Yes	-	-	-	-	-	-	-	-
Papadiochou; A. L. Pis	2018 2018	Marginal adaptation and CAD-CAM technology: A systematic review of restorative material and J Prosthet Dent Practical Torso Cooling During Soccer-Specific Exercise in the Heat J Athl Train	Exclude	Yes	-	-	-	-	-	-	-	-
Parris; C. J. Tyler			Exclude	Yes	-	-	-	-	-	-	-	-
K. Pedersen; J. A. Wag Pellevoisin; C. Videau	-	Proficiency of WHO Global Foodborne Infections Network External Quality Assurance System P J Clin Microbiol SkinEthic™ RHE for in vitro evaluation of skin irritation of medical device extracts Toxicol In Vitro	Exclude	Yes	-	-	-	-	-	-	-	-
S. Perrotta; M. D. Wh		Efficacy of Hot Yoga as a Heat Stress Technique for Enhancing Plasma Volume and Cardiovascul J Strength Cond Res	Exclude Exclude	Yes Yes	-	-	-	-	-	-	-	-
. Porras-Salazar; D. P		Reducing classroom temperature in a tropical climate improved the thermal comfort and the perfo Indoor Air	Exclude	Yes		-	-	-	-	-	-	-
J. Price; M. Trbovich		Thermoregulation following spinal cord injury Handb Clin Neurol	Exclude	Yes		-	-	-	-		<u>-</u>	
Purdom: L. Kravitz: K		Understanding the factors that effect maximal fat oxidation J Int Soc Sports Nutr	Exclude	Yes	-	-	_	-	_	-	_	_
Ravanelli; G. B. Coon	mbs: I 2018	Maximum Skin Wettedness after Aerobic Training with and without Heat Acclimation Med Sci Sports Exerc	Exclude	-	_	-	_	-	_	No	_	-
Rinaldi; T. T. Trong; F		Immersion with menthol improves recovery between 2 cycling exercises in hot and humid enviror Appl Physiol Nutr Metab		Yes	-	-	-	-	-	-	-	-
W. Schleh; B. C. Ruby		Short term heat acclimation reduces heat stress, but is not augmented by dehydration J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
chmit; R. Duffield; C		Optimizing Heat Acclimation for Endurance Athletes: High- Versus Low-Intensity Training Int J Sports Physiol Performance Int Physiol Physiol Performance Int Physiol Physiol Physiol Physiol Physiol Ph		-	-	-	-	-	-	No	-	-
L. Sheahen; J. W. Fell;	ll; E. K 2018	Intestinal damage following short-duration exercise at the same relative intensity is similar in tem Appl Physiol Nutr Metab	Exclude	Yes	-	-	-	-	-	-	-	-
Shou; J. Fan	2018	Design of Nanofibrous and Microfibrous Channels for Fast Capillary Flow Langmuir	Exclude	Yes	-	-	-	-	-	-	-	-
Skein; G. Wingfield; l	R. Ga 2018	Sleep quantity and quality during consecutive day heat training with the inclusion of cold-water ir J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
E. Skórzyńska-Dzidus	iszko; 2018	Heat Shock Proteins as a Potential Therapeutic Target in the Treatment of Gestational Diabetes M Int J Mol Sci	Exclude	Yes	-	-	-	-	-	-	-	-
. Spector; J. Krenz; M	M. Cal 2018	Associations between heat exposure, vigilance, and balance performance in summer tree fruit hard Appl Ergon	Exclude	Yes	-	-	-	-	-	-	-	-
J. Stacey; D. R. Wood	ods; S. 2018	Heat acclimatization blunts copeptin responses to hypertonicity from dehydrating exercise in hum Physiol Rep	Exclude	-	-	-	-	-	-	No	-	-
M. J. Stacey; S. K. De		Heart rate variability and plasma nephrines in the evaluation of heat acclimatisation status Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
M. Stephens; S. L. Hal		Influence of body composition on physiological responses to post-exercise hydrotherapy J Sports Sci	Exclude	-	-	-	-	-	-	No	-	-
J. Stevens; S. L. Heath	thcote: 2018	Effect of two-weeks endurance training wearing additional clothing in a temperate outdoor enviro Temperature (Austin)	Exclude	Yes	-	-	-	-	-	-	-	-

											re temp, and thermal comfort during exercis	or lactate threshold.
			Decision	Reason(s) fo	or inclusion/exclus	sion:			Physiology during ex	ercise – RPE, neart rate, sweat rate, co	re temp, and thermal comfort during exercis	E.
Luthor	Year	Title Journal	Include or exclude?		off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
. C. Szymanski; T. I	L. Gillun 2018	Short-term dietary curcumin supplementation reduces gastrointestinal barrier damage and physiol J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
L. Taylor; C. L. Wu	u; Y. C. C2018	Post-Exercise Carbohydrate-Energy Replacement Attenuates Insulin Sensitivity and Glucose Tole Nutrients	Exclude	Yes	-	-	-	-	-	-	-	-
Timpmann; A. C. H	łackney; 2018	Influence of Rhodiola rosea on the heat acclimation process in young healthy men Appl Physiol Nutr Met	b Exclude	Yes	-	-	-	-	-	-	-	-
Uerlings; Z. G. Son	ıg; X. Y. 2018	Heat exposure affects jejunal tight junction remodeling independently of adenosine monophospha Poult Sci	Exclude	Yes	-	-	-	-	-	-	-	-
V. Venkataraman; A	A. K. Yeg 2018	Locomotor constraints favour the evolution of the human pygmy phenotype in tropical rainforests Proc Biol Sci	Exclude	Yes	-	-	-	-	-	-	-	-
M. R. Viana; L. Sil		Field evaluation of a real time loop-mediated isothermal amplification assay (RealAmp) for malar PLoS One	Exclude	Yes	-	-	-	-	-	-	-	-
Voelkel; D. Hellmar		Assessing Vulnerability to Urban Heat: A Study of Disproportionate Heat Exposure and Access to Int J Environ Res Publi	H Exclude	Yes	-	-	-	-	-	-	-	-
R. Watkins; J. Gibb		A new occupational heat tolerance test: A feasibility study J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
R. Watkins; M. Hay	yes; P. W 2018	Practical pre-cooling methods for occupational heat exposure Appl Ergon	Exclude	Yes	-	-	-	-	-	-	-	-
D. White	2018	Panting as a human heat loss thermoeffector Handb Clin Neurol	Exclude	Yes	-	-	-	-	-	-	-	-
G. B. Willmott; O.		Physiological and perceptual responses to exercising in restrictive heat loss attire with use of an ul Temperature (Austin)	Exclude	Yes	-	-	-	-	-	-	-	-
G. B. Willmott; M.		Once- and twice-daily heat acclimation confer similar heat adaptations, inflammatory responses a Physiol Rep	Exclude	-	-	-	-	-	-	No	-	-
J. Wilson; E. Cockt		Recovery following a marathon: a comparison of cold water immersion, whole body cryotherapy Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
M. Woyton; S. Klu		Partial mid-portion Achilles tear resulting in substantial improvement in pain and function in an al BMJ Case Rep	Exclude	Yes	-	-	-	-	-	-	-	-
Zhang; P. McManu		A Raster-Based Subdividing Indicator to Map Urban Heat Vulnerability: A Case Study in Sydney, Int J Environ Res Publi		Yes	-	-	-	-	-	-	-	-
Zimmermann; G. I		Precooling With Crushed Ice: As Effective as Heat Acclimation at Improving Cycling Time-Trial Int J Sports Physiol Per		-	-	-	-	-	-	No	-	-
J. Zurawlew; J. A.		Post-exercise Hot Water Immersion Elicits Heat Acclimation Adaptations in Endurance Trained at Front Physiol	Exclude	-	Yes	Yes	Yes	Yes	Yes	Yes	No	No
irn	2018	Strength trainning in water polo players: diferences between hypertrophy and power trainning http://www.who.int/tria		Yes	-	-	-	-	-	-	-	-
rn	2018	Effect of Brain Blood Flow on Cognition Across Healthy Adulthood http://www.who.int/tria		Yes	-	-	-	-	-	-	-	-
rn	2018	The effectiveness of preoperative heat therapy and high-intensity interval training for prehabilitati http://www.who.int/tria		Yes	-	-	-	-	-	-	-	-
rn	2018	Exploring changes in blood, urine, sweat and cardiovascular function with sauna and exercise in y http://www.who.int/tria		Yes	-	-	-	-	-	-	-	-
ilgrim; K. Kim; M		WORK RELATED EXPOSURES: IMPACTS ON HORMONE LEVELS, ANOVULATION AND Fertility and sterility	Exclude	Yes	-	-	-	-	-	-	-	-
TRN12619000663		Are electric fans effective for keeping people cool in both very-hot-and-dry and hot-and-humid he	Exclude	Yes	-	-	-	-	-	-	-	-
L. Adams; D. J. Ca	,	Heat Exposure and Hypohydration Exacerbate Physiological Strain During Load Carrying J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-
P. Akerman; K. N.		Heat therapy vs. supervised exercise therapy for peripheral arterial disease: a 12-wk randomized, Am J Physiol Heart Cir		-	-	-	-	-	No	No	-	-
I. o. Allergy; I. Dis		A Double-Blind Placebo-Control Dose Escalating Study to Evaluate the Safety and Immunogenic	Exclude	Yes	-	-	-	-	-	-	-	-
Bamat; J. Fierro; Y	-	Positive end-expiratory pressure for preterm infants requiring conventional mechanical ventilatio Cochrane Database of		Yes	-	-	-	-	-	-	-	-
R. Barnes; J. F. Am		Incidence, timing, and seasonal patterns of heat illnesses during U.S. Army basic combat training, Msmr	Exclude	Yes	-	-	-	-	-	-	-	-
Beck; V. Peña-Viva		Metacognition across sensory modalities: Vision, warmth, and nociceptive pain Cognition	Exclude	Yes	-	-	-	-	-	-	-	-
E. Berkovich; A. H		Rapid Weight Loss in Competitive Judo and Taekwondo Athletes: Attitudes and Practices of Coac Int J Sport Nutr Exerc I		Yes	-	-	-	-	-	-	-	-
Bonnette; C. A. Di		Injury Risk Factors Integrated Into Self-Guided Real-Time Biofeedback Improves High-Risk Bio J Sport Rehabil	Exclude	Yes	-	-	-	-	-	-	-	-
P. Boulet; J. Turme	2019	Cough in exercise and athletes Pulm Pharmacol Ther	Exclude	Yes	-	-	-	-	-	-	-	-
Bucht; L. Donath		Sauna Yoga Superiorly Improves Flexibility, Strength, and Balance: A Two-Armed Randomized CInt J Environ Res Public		Yes	-	-	-	-	-	-	-	-
M. Burke; L. M. Ca		International Association of Athletics Federations Consensus Statement 2019: Nutrition for Athlet Int J Sport Nutr Exerc I		Yes	-	-	-	-	-	-	-	-
Byrne; J. K. W. Lee		The Physiological Strain Index Modified for Trained Heat-Acclimatized Individuals in Outdoor H Int J Sports Physiol Per Stabilizing Bioimpedance-Vector-Analysis Measures With a 10-Minute Cold Shower After Runni Int J Sports Physiol Per		Yes	-	-	-	-	-	-	-	-
Campa; H. Gatterer C. V. Cavalcanti: A		Complementary therapies in labor: randomized clinical trial Rev Gaucha Enferm	Exclude	Yes Yes	-	-	-	-	-	-	-	-
Cernych; N. Baran					-	-	-	-	-	-	-	-
Y. Chen: Y. C. Che		Accelerated muscle contractility and decreased muscle steadiness following sauna recovery do no Hum Mov Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Y. Cnen; Y. C. Cne Curran; J. Campbe	,	Effects of caffeine and sex on muscle performance and delayed-onset muscle soreness after exerci J Appl Physiol (1985) Type 1 diabetes impairs the mobilisation of highly-differentiated CD8+T cells during a single bou Exerc Immunol Rev	Exclude Exclude	Yes	-	-	-	-	-	-	-	-
Didehdar; S. Sobha		The effect of cold-water immersion on physical performance J Bodyw Mov Ther	Exclude	Yes	-	-	-	-	-	-	-	-
M. Duvnjak-Zakni		Continuous and intermittent heat acclimation and decay in team sport athletes Eur J Sport Sci	Exclude	-	1		-		-	No		-
Fan; W. Liu; P. Wa		Physiological and psychological reactions of sub-tropically acclimatized subjects exposed to diffe Indoor Air	Exclude	Yes	-i	1	T.		T.	-	-	-
Farrow; C. Luttero	-	Virtual-reality exergaming improves performance during high-intensity interval training Eur J Sport Sci	Exclude	Yes	- i	1	1		T.	_	_	_
J. Fuchs; J. T. Gonz		Fructose co-ingestion to increase carbohydrate availability in athletes J Physiol	Exclude	Yes		-[-			1
Fujii; K. Hatam; G		Exogenous Activation of Protease-Activated Receptor 2 Attenuates Cutaneous Vasodilatation and Skin Pharmacol Physio		Yes		-	-	-	T.	_	-	_
ujimoto; B. Tsuji;		Low-intensity exercise delays the shivering response to core cooling Am J Physiol Regul Int		Yes	_	-	-	-	-	-	-	-
P. Funnell; S. A. M		Blinded and unblinded hypohydration similarly impair cycling time trial performance in the heat i J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	_	_	_	_
. Fyfe; J. R. Broatc		Cold water immersion attenuates anabolic signaling and skeletal muscle fiber hypertrophy, but no J Appl Physiol (1985)	Exclude	Yes	-	-	_	-	_	_	_	_
Gauer; B. K. Meye		Heat-Related Illnesses Am Fam Physician	Exclude	Yes	-	-	-	-	-	-	-	-
Gerrett; B. R. M. K		Ambient Conditions Prior to Tokyo 2020 Olympic and Paralympic Games: Considerations for Act Front Physiol	Exclude	-	No	-	-	-	-	No	-	-
Gonzalez; J. A. B	-	Dietary sugars, exercise and hepatic carbohydrate metabolism Proc Nutr Soc	Exclude	Yes	-	-	-	-	-	-	-	-
Gosselin; J. Bélivea		Wireless measurement of rectal temperature during exercise: Comparing an ingestible thermometr J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Halson; L. M. B		Nutrition for Travel: From Jet lag To Catering Int J Sport Nutr Exerc		Yes	-	-	-	-	-	-	-	-
Hao; Y. Xiang; A. I	Degen; Y 2019	Adding heat-treated rapeseed to the diet of yak improves growth performance and tenderness and Anim Sci J	Exclude	Yes	-	-	-	-	-	-	-	-
	assmén; \$2019	How Does a Delay Between Temperate Running Exercise and Hot-Water Immersion Alter the Act Front Physiol	Exclude							No		

											rformance, VO2max, economy/efficiency,	
			D	D () C					**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
			Decision		inclusion/exclus							
uthor	Year	Title Journal	Include or exclude?	topic?	ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
Hermand; C. Chabert		Ultra-endurance events in tropical environments and countermeasures to optimize performances a Int J Hyperthermia	Exclude	Yes	-	-	-	-	-	-	-	-
Hesketh; S. O. Sheph	herd; J. 2019	Passive heat therapy in sedentary humans increases skeletal muscle capillarization and eNOS contact Am J Physiol Heart Circ	P Exclude	-	-	-	-	-	-	No	-	-
P. Hoekstra; M. N. W		Modality-specific training adaptations - do they lead to a dampened acute inflammatory response Appl Physiol Nutr Metal	Exclude	Yes	-	-	-	-	-	-	-	-
Hosokawa; E. N. John		Knowledge and Belief Toward Heat Safety and Hydration Strategies Among Runners: A Prelimin J Athl Train	Exclude	Yes	-	-	-	-	-	-	-	-
Hosokawa; R. L. Stea		Is Heat Intolerance State or Trait? Sports Med	Exclude	-	No	-	-	-	-	No	-	-
M. Jones; S. P. Bailey		Evaluation of cognitive performance and neurophysiological function during repeated immersion Brain Res	Exclude	Yes	-	-	-	-	-	-	-	-
. Jung; F. Jazizadeh; T		Heat Flux Sensing for Machine-Learning-Based Personal Thermal Comfort Modeling Sensors (Basel)	Exclude	Yes	-	-	-	-	-	-	-	-
Kerr; G. Morse; D. G		A Detoxification Intervention for Gulf War Illness: A Pilot Randomized Controlled Trial Int J Environ Res Public		Yes	-	-	-	-	-	-	-	-
Ketelhut; R. G. Ketell		The blood pressure and heart rate during sauna bath correspond to cardiac responses during subm. Complement Ther Med	Exclude	-	-	-	-	-	-	No	-	-
S. Kissling; A. P. Ake		Heat-induced hypervolemia: Does the mode of acclimation matter and what are the implications f Temperature (Austin)	Exclude	-	No	-	-	-	-	No	-	-
Krüger; T. Reichel; C		Role of heat shock proteins 70/90 in exercise physiology and exercise immunology and their diag J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
W. LeBaron; I. Laher; I. López-Sánchez; P. A		Hydrogen gas: from clinical medicine to an emerging ergogenic molecule for sports athletes (1) Can J Physiol Pharmacol Distribution Compilities from the English of the Physiol Pharmacol The Physiol Physiol Pharmacol The Physiol Physio		Yes	-	-	-	-	-	-	-	-
I. Lopez-Sanchez; P. A Lubkowska; I. Brycz		Diminishing Cognitive Capacities in an Ever Hotter World: Evidence From an Applicable Power-Hum Factors The Effects of Swimming Training in Cold Water on Antioxidant Enzyme Activity and Lipid Pero Int J Environ Res Public	Exclude	Yes	-	-	-	-	-	-	-	-
Martin; E. McLeod; J		The Emects of Swimming framing in Cold water on Antioxidant Enzyme Activity and Lipid Pero Int J Environ Res Public The Impact of Environmental Stress on Cognitive Performance: A Systematic Review Hum Factors			-	-	-	-	-	-	-	-
M. Masheb; A. M. Kı		Making weight" during military service is related to binge eating and eating pathology for veteran Eat Weight Disord	Exclude Exclude	Yes	-	-	-	-	-	-	-	-
L. McCleave; K. M. S		Impaired Heat Adaptation From Combined Heat Training and Live High, Train Low" Hypoxia" Int J Sports Physiol Perfo		i es		-			-	- No		-
W. McMillan; J. L. M		Influence of upper-body continuous, resistance or high-intensity interval training (CRIT) on postp Trials	Exclude	Yes		-				-		
Morabito; A. Messer		An Occupational Heat-Health Warning System for Europe: The HEAT-SHIELD Platform Int J Environ Res Public		Yes								
Morán-Navarro: J. Co		Validity of Skin, Oral and Tympanic Temperatures During Exercise in the Heat: Effects of Wind a Ann Biomed Eng	Exclude	Yes								
Moser; M. L. Eckstei		Performance of the Freestyle Libre flash glucose monitoring (flash GM) system in individuals wit Diabetes Obes Metab	Exclude	Yes		-	_			_	_	
M. Muia; G. W. McG		Contribution of nitric oxide synthase to cutaneous vasodilatation and sweating in men of black-AI Exp Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
T04053465	2019	Heat Acclimation, Hand Cooling Efficacy, and Adaptation Maintenance.	Exclude	-	-	-	-	-	-	No	-	-
E. Nightingale; J. P. V	Walhin 2019	Biomarkers of cardiometabolic health are associated with body composition characteristics but no J Spinal Cord Med	Exclude	Yes	-	-	-	-	-	-	-	-
G. O'Connor	2019	Sports Medicine: Exertional Heat Illness FP Essent	Exclude	Yes	No	-	-	-	-	-	-	-
Omassoli; N. E. Hill;	D. R. 2019	Variation in renal responses to exercise in the heat with progressive acclimatisation J Sci Med Sport	Exclude	-	-	-	-	-	-	No	-	-
Pakdel; M. Naebe; L.	Sun; 2019	Advanced Functional Fibrous Materials for Enhanced Thermoregulating Performance ACS Appl Mater Interface	e Exclude	Yes	-	-	-	-	-	-	-	-
K. Pellinger; C. B. No	leighbo 2019	Acute Lower Leg Heating Increases Exercise Capacity in Patients With Peripheral Artery Disease J Cardiovasc Nurs	Exclude	Yes	-	-	-	-	-	-	-	-
A. Pethick; H. J. Mur	urray; P 2019	Effects of hydration status during heat acclimation on plasma volume and performance Scand J Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
F. Piil; C. J. Mikkelser	en; N. J 2019	Heat Acclimation Does Not Protect Trained Males from Hyperthermia-Induced Impairments in Country Int J Environ Res Public	H Exclude	-	-	-	-	-	-	No	-	-
Podstawski; K. Borys		The effect of prolonged thermal stress on the physiological parameters of young, sedentary men a	Exclude	-	-	-	-	-	-	No	-	-
Pryor; R. R. Pryor;		Intermittent exercise-heat exposures and intense physical activity sustain heat acclimation adaptat J Sci Med Sport	Exclude	-	-	-	-	-	-	No	-	-
R. M. Rahimi; A. L.		Physiological Responses to Heat Acclimation: A Systematic Review and Meta-Analysis of Rando J Sports Sci Med	Exclude	-	No	-	-	-	-	No	-	-
Ravanelli; W. Casaso		Heat stress and fetal risk. Environmental limits for exercise and passive heat stress during pregnar Br J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Ravanelli; G. Coomb		Thermoregulatory adaptations with progressive heat acclimation are predominantly evident in unc J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
Reeve; R. Gordon; P.		Impairment of Cycling Capacity in the Heat in Well-Trained Endurance Athletes After High-Inten Int J Sports Physiol Performance Athletes After High-Inten Int J Sports Physiol P		-	-	-	-	-	-	No	-	-
Relf; A. Willmott; M.		Reliability of a wearable sweat rate monitor and routine sweat analysis techniques under heat stree J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Rivas; C. G. Crandall		Exercise heat acclimation causes post-exercise hypotension and favorable improvements in lipid a J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
Sarris; M. de Maninco J. Saunders; L. A. Ga	. ,	Harnessing the Four Elements for Mental Health Front Psychiatry Special Environments: Altitude and Heat Int J Sport Nutr Exerc M	Exclude	Yes	-	-	-	-	-	-	-	-
J. Saunders, L. A. Ga J. Schlader; D. Hostle		The Potential for Renal Injury Elicited by Physical Work in the Heat Nutrients	Exclude	Yes Yes	-	-	-	-	-	-	-	-
Siquier-Coll; I. Bartol		Effect of heat exposure and physical exercise until exhaustion in normothermic and hyperthermic J Therm Biol	Exclude		-	-	-	-	-	No No	-	-
Siquier-Coll; I. Bartol		Influence of a physical exercise until exhaustion in normothermic and hyperthermic or J Therm Biol	Exclude	-	-[1	1	-	-	No		
I Smith	2019	Pediatric Thermoregulation: Considerations in the Face of Global Climate Change Nutrients	Exclude	Yes	i.	-	-	-	-	-	-	-
Sotiridis: T. Debevec		Heat acclimation does not affect maximal aerobic power in thermoneutral normoxic or hypoxic oc Exp Physiol	Exclude	1 03		-			-	No	-	-
Sotiridis; P. Miliotis;	.,	No ergogenic effects of a 10-day combined heat and hypoxic acclimation on aerobic performance Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
teele; P. Androulakis		Comparisons of Resistance Training and Cardio" Exercise Modalities as Countermeasures to Mici Front Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Suvi; M. Mooses; S.		Influence of Sodium Citrate Supplementation after Dehydrating Exercise on Responses of Stress Medicina (Kaunas)	Exclude	Yes	-	-	-	-	-	-	-	-
akakura; S. Fujimori		Site-specific hourly resolution wet bulb globe temperature reconstruction from gridded daily resol Int J Biometeorol	Exclude	Yes	-	-	-	-	-	-	-	-
Taylor; K. C. Miller	2019	Precooling, Hyperthermia, and Postexercise Cooling Rates in Humans Wearing American Footbal J Athl Train	Exclude	Yes	-	-	-	-	-	-	-	-
Taylor; H. R. Thornto	on; N. 2019	Alterations in core temperature during World Rugby Sevens Series tournaments in temperate and Eur J Sport Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Turnes; R. S. O. Cruz		The Impact of Preconditioning Strategies Designed to Improve 2000-m Rowing Ergometer Perfor Int J Sports Physiol Performance Company of the Impact of Preconditioning Strategies Designed to Improve 2000-m Rowing Ergometer Perfor Int J Sports Physiol Performance Company of the Impact of Preconditioning Strategies Designed to Improve 2000-m Rowing Ergometer Perfor Int J Sports Physiol Performance Company of the Impact of Preconditioning Strategies Designed to Improve 2000-m Rowing Ergometer Perfor Int J Sports Physiol Performance Company of the Impact of Preconditioning Strategies Designed to Improve 2000-m Rowing Ergometer Perfor Int J Sports Physiol Performance Company of the Impact of Precondition (International Company of the Impact of Preconditional Company of the Impact of Precondition (International Company of the Impact of Preconditional Company of The Impact of Precon		-	No	-	-	-	-	No	-	-
I. Villafañe; K. Valde	es; P. P 2019	Osteoarthritis: a call for research on central pain mechanism and personalized prevention strategie Clin Rheumatol	Exclude	Yes	-	-	-	-	-	-	-	-
R. Watkins; A. Walke	er; E. N 2019	Women Firefighters' Health and Well-Being: An International Survey Womens Health Issues	Exclude	Yes	-	-	-	-	-	-	-	-
Weigert; M. Hoene; F	D DI 2010	Hepatokines-a novel group of exercise factors Pflugers Arch	Exclude	Yes	_	_		_	_	_		

											erformance, VO2max, economy/efficiency, o	
			Decision	Pancan(a) for i	nalusian/avalus	ion:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	ore temp, and thermal comfort during exercis	se.
uthor	Year	Title Journal	Include or exclude?	Irrelevant / off- topic?	nclusion/exclus - Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
Yoshihara; S. W. Cha	0.	Sex-specific differences in rat soleus muscle signaling pathway responses to a bout of horizontal a J Physiol Biochem	Exclude	Yes	-	-	-	-	-	-	-	-
. Yuce; M. Ulusoy; A.	G. Tu 2019	Comparison of Marginal and Internal Adaptation of Heat-Pressed and CAD/CAM Porcelain Lami J Prosthodont	Exclude	Yes	-	-	-	-	-	-	-	-
Zaman; A. Yousuf; A.	-	Evaluation of adaptive low cost solar water pasteurization device for providing safe potable water J Water Health	Exclude	Yes	-	-	-	-	-	-	-	-
. J. Zurawlew; J. A. M		Post-exercise Hot Water Immersion Elicits Heat Acclimation Adaptations That Are Retained for a	Exclude	-	No	Yes	Yes	Yes	Yes	Yes	No	Yes
E. Brunt; H. L. Roser		Passive Heat Therapy Lowers Systolic Blood Pressure and Improves Vascular Endothelial Function FASEB journal	Exclude	-	-	-	-	-	-	No	-	-
retn	2019		Exclude	Yes	-	-	-	-	-	-	-	-
Lerdpornkulrat; C. Po		The Positive Effect of Intrinsic Feedback on Motivational Engagement and Self-Efficacy in Infort Journal of psychoeducation		Yes	-	-	-	-	-	-	-	-
K. Ma; W. F. Saad Eld	. ,	Effects of Pyrene on Human Liver HepG2 Cells: Cytotoxicity, Oxidative Stress, and Transcripton BioMed Research Internal		Yes	-	-	-	-	-	-	-	-
D. Martin; M. S. Gree		Six weeks of oral Echinacea purpurea supplementation does not enhance the production of serum Applied physiology, nutrit		Yes	-	-	-	-	-	-	-	-
C. Monroe; J. S. Kleir		Acute effects of heat therapy on cardiovascular responses to exercise and walking endurance in pa FASEB journal	Exclude	-	-	-	-	-	No	-	-	-
J. M. Wagenmakers;		Passive Heat Therapy in Sedentary Humans Improves Aerobic Capacity and Insulin Sensitivity vi FASEB journal	Exclude	-	-	-	-	-	-	No	-	-
O. Alele; B. S. Malau		Epidemiology of Exertional Heat Illness in the Military: A Systematic Review of Observational S Int J Environ Res Public F		Yes	-	-	-	-	-	-	-	-
F. Alghannam; I. Ten	-	Effect of carbohydrate-protein supplementation on endurance training adaptations Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Alston; J. Lee; M.		The ghost of temperature past: interactive effects of previous and current thermal conditions on ge J Exp Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Amano; N. Fujii; G. I		The relative contribution of α - and β -adrenergic sweating during heat exposure and the influence (Exp Dermatol	Exclude	Yes	-	-	-	-	-	-	-	-
T. Ashworth; J. D. Co		Methods for improving thermal tolerance in military personnel prior to deployment Mil Med Res	Exclude	-	No	-	-	-	-	No	-	-
Bailey; C. Fuhrmann		Wearable sensors for personal temperature exposure assessments: A comparative study Environ Res	Exclude	Yes	-	-	-	-	-	-	-	-
Barcala-Furelos; M. l		Measuring the physiological impact of extreme heat on lifeguards during cardiopulmonary resusc. Am J Emerg Med	Exclude	Yes	-	-	-	-	-	-	-	-
R. Barley; D. W. Cha	-	The Influence of Heat Acclimation and Hypohydration on Post-Weight-Loss Exercise Performanc Int J Sports Physiol Performance of Heat Acclimation and Hypohydration on Post-Weight-Loss Exercise Performance Int J Sports Physiol Performance Int Physiol Physiol Physiol Performance Int Physiol Physi		-	-	-	-	-	-	No	-	-
Bidassey-Manilal; C.		A Study Protocol to Determine Heat-Related Health Impacts among Primary Schoolchildren in Sc Int J Environ Res Public F	Exclude	Yes	-	-	-	-	-	-	-	-
tyrne; S. M. Ludingto		Occupational Heat Stress, Thermal Comfort, and Cognitive Performance in the OR: An Integrativ Aorn j	Exclude	Yes	-	-	-	-	-	-	-	-
L. Chen; W. H. Kuan		Comparative Study of the Composition of Sweat from Eccrine and Apocrine Sweat Glands during Int J Environ Res Public F		Yes	-	-	-	-	-	-	-	-
C. Choo; J. J. Peiffer		Effect of regular precooling on adaptation to training in the heat Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
S. Courtin; S. Maldo		Assessing thermal sensitivity using transient heat and cold stimuli combined with a Bayesian adar Eur J Pain	Exclude	Yes	-	-	-	-	-	-	-	-
Curran; J. P. Campbe		The mobilisation of early mature CD56dim-CD16bright NK cells is blunted following a single bo Exerc Immunol Rev	Exclude	Yes	-	-	-	-	-	-	-	-
Foster; S. G. Hodder;		Individual Responses to Heat Stress: Implications for Hyperthermia and Physical Work Capacity Front Physiol	Exclude	-	-	-	-	-	-	No	-	-
J. Fuchs; J. S. J. Sme		The state of the s	Exclude	-	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Fudin; E. L. Wegrzyn		A Randomized, Crossover, Pharmacokinetic and Adhesion Performance Study of a Lidocaine Top J Pain Res	Exclude	Yes	-	-	-	-	-	-	-	-
Gasparetto; C. Nessel		Diverse Effects of Thermal Conditions on Performance of Marathon Runners Front Psychol	Exclude	Yes	-	-	-	-	-	-	-	-
R. Gibson; C. A. Jam	,	Heat alleviation strategies for athletic performance: A review and practitioner guidelines Temperature (Austin)	Exclude	-	No	-	-	-	-	No	-	-
J. Gronlund; A. J. Yan	-	Time series analysis of total and direct associations between high temperatures and preterm births BMJ Open	Exclude	Yes	-	-	-	-	-	-	-	-
Hansen; M. Oxfeldt;	,	Supplement with whey protein hydrolysate in contrast to carbohydrate supports mitochondrial ade J Int Soc Sports Nutr	Exclude	Yes	-	-	-	-	-	-	-	-
He; R. Zhang; J. Shei		Removal of N-terminal tail changes the thermostability of the low-temperature-active exo-inulina Bioengineered	Exclude	Yes	-	-	-	-	-	-		-
Hermand; A. Collado		Skin Application of 4% Menthol Enhances Running Performance in Hot and Humid Climate Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
P. Hoekstra; N. C. Bis		Elevating body termperature to reduce low-grade inflammation: a welcome strategy for those una Exerc Immunol Rev	Exclude	Yes	-	-	-	-	-	-	•	-
Hu; T. Maeda	2020	Productivity and physiological responses during exposure to varying air temperatures and clothing Indoor Air	Exclude	Yes	-	-	-	-	-	-	-	-
D. Hyldahl; J. M. Pea		Combining cooling or heating applications with exercise training to enhance performance and mu J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
Ihsan; C. R. Abbiss;		Warming to the ice bath: Don't go cool on cold water immersion just yet!: Comment on: 1) Arthur Temperature (Austin)	Exclude	Yes	-	-	-	-	-	-	-	-
Ihsan; G. Watson; H. RN-UMIN000039669		Skeletal Muscle Microvascular Adaptations Following Regular Cold Water Immersion Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
		Safety of autologous fat grafting for velopharyngeal insufficiency: non-randomized, single institut	Exclude	Yes	-	-	-	-	-	-	-	-
H. Keirns; N. A. Koe L. Kennev	2020 2020		Exclude	Yes	-	-	-	-	-	-	-	-
L. Kenney Kim; J. C. Monroe; T			Exclude	Yes	- No	-	-	-	-	-	-	-
Kim; J. C. Monroe; T		Local Heat Therapy to Accelerate Recovery After Exercise-Induced Muscle Damage Exerc Sport Sci Rev Skeletal muscle adaptations to heat therapy J Appl Physiol (1985)	Exclude	-		-	-	-	-	-	<u>-</u>	-
Kim; J. C. Monroe; I Klous; C. de Ruiter; I		Skeletal muscle adaptations to heat therapy J Appl Physiol (1985) Sweat rate and sweat composition following active or passive heat re-acclimation: A pilot study Temperature (Austin)	Exclude	-	No	Vac	Vac	Van	Vac	No.	Van	Vac
Klous; C. De Ruiter;			Exclude	-	Yes	Yes	Yes	Yes	Yes	No No	Yes	Yes
Kordi: J. P. Folland:			Exclude Exclude	Yes	No	-	-	-	-	No	-	-
C. Kozai; E. Twitche		Workload Intensity and Rest Periods in Professional Ballet: Connotations for Injury Int J Sports Med			-	-	-	-	-	-	-	-
C. Kozai; E. Iwitche Laitano; C. K. Garcia		Workload Intensity and Rest Periods in Professional Bailet: Connotations for Injury Int J Sports Med Delayed metabolic dysfunction in myocardium following exertional heat stroke in mice J Physiol	Exclude Exclude	Yes	-	-	-	-	-	-	-	-
Laitano; C. K. Garcia Larenas-Linnemann:					-	-	-	-	-	-	-	-
Lee; P. Willeit; T. Lau		Acute effects of exercise and sauna as a single intervention on arterial compliance Eur J Prev Cardiol	Exclude Exclude	Yes	-	-	-	-	-	-	-	-
Lee; P. Willeit; I. Lai L. Lim	2020 2020			Yes	No	-	-	-	-	-	-	-
L. LIM Liu; Z. Tian; L. Sun;		Fundamental Concepts of Human Thermoregulation and Adaptation to Heat: A Review in the Cor Int J Environ Res Public F Mitigating heat-related mortality risk in Shanghai, China: system dynamics modeling simulations Environ Geochem Health			No	-	-	-	-	-	-	-
Liu; Z. Tian; L. Sun; Maggiolino; G. E. Da		Mitigating heat-related mortality risk in Shanghai, China: system dynamics modeling simulations Environ Geochem Health Estimation of maximum thermo-hygrometric index thresholds affecting milk production in Italian J Dairy Sci		Yes	-	-	-	-	-	-	-	-
L. Mahaffey	2020 2020		Exclude Exclude	Yes	-	-	-	-	-	-	-	-
L. мапапеу Malgoyre; J. Siracusa		Four-month operational heat acclimatization positively affects the level of heat tolerance 6 month; Sci Rep	Exclude	1 es	-	-	-	-	-	- No	<u>-</u>	-

									**Physiology during as	ercise = RPE heart rate sweat rate on	re temp, and thermal comfort during exercis	or lactate threshold.
			Decision	Reason(s) fo	or inclusion/exclus	sion:			Physiology during es	ercise – KPE, neart rate, sweat rate, co	e temp, and thermal comfort during exercis	e.
uthor	Year	Title Journal	Include or exclude?		off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
McCarthy; R. Deere;	M. L. 2020	Improved Nocturnal Glycaemia and Reduced Insulin Use Following Clinical Exercise Trial Partic Front Public Health	Exclude	Yes	-	-	-	-	-	-	-	-
J. McCubbin; B. A. A	Allanse 2020	Sports Dietitians Australia Position Statement: Nutrition for Exercise in Hot Environments Int J Sport Nutr Exe	rc Met Exclude	Yes	-	-	-	-	-	-	-	-
Michnik; K. Duch; I. l	Pokoi 2020	Differences in cryostimulation and sauna effects on post-exercise changes in blood serum of athle Complement Ther M	fed Exclude	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
B. Morris; O. Jay; A.		Sustainable solutions to mitigate occupational heat strain - an umbrella review of physiological ef Environ Health	Exclude	Yes	-	-	-	-	-	-	-	-
N. Moss; F. M. Bayne;		Short-term isothermic heat acclimation elicits beneficial adaptations but medium-term elicits a mc Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
M. Muia; S. R. Notley		Whole-body heat exchange in black-African and Caucasian men during exercise eliciting matched Exp Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Nakamura; K. Murais		Effect of a cooling strategy combining forearm water immersion and a low dose of ice slurry inge J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
Nakamura; Y. Tanabe;		Low caffeine dose improves intermittent sprint performance in hot and humid environments J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Nava; M. N. Zuhl	2020	Heat acclimation-induced intracellular HSP70 in humans: a meta-analysis Cell Stress Chapero		-	No	-	-	-	-	No	-	-
R. Nilssen; H. S. Koks		Rehabilitation in warm climate for young adults with inflammatory arthritis: A 12-month randomi J Rehabil Med	Exclude	Yes	-	-	-	-	-	-	-	-
Njemini; K. Verhaegh		A Novel Bead-Based Immunoassay for the Measurement of Heat Shock Proteins 27 and 70 Pathogens Deliability of contraints added to the Measurement of Heat Shock Proteins 27 and 70 Pathogens	Exclude	Yes	-	-	-	-	-	-	-	-
B. Ogden; J. L. Fallov Otani; M. Kaya; H. Go		Reliability of gastrointestinal barrier integrity and microbial translocation biomarkers at rest and f Physiol Rep Rising vs. falling phases of core temperature on endurance exercise capacity in the heat Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Otani; M. Kaya; H. G Ouertani: A. Ouertani:		Rising vs. falling phases of core temperature on endurance exercise capacity in the heat Eur J Appl Physiol New Plant Growth-Promoting, Chromium-Detoxifying Microbacterium Species Isolated From a T Front Bioeng Biotec	Exclude hnol Exclude	Yes Yes	-	-	-	-	-	-	-	-
T. Parsons; D. Snape; J	,	Echocardiographic changes following active heat acclimation J Therm Biol	Exclude	1 08	-	-	-	-	-	No	-	-
M. Pasiakos	2020	Nutritional Requirements for Sustaining Health and Performance During Exposure to Extreme En Annu Rev Nutr	Exclude	Yes			-	-	-	-		-
D. Périard; D. B. Pyne		Short-Term Repeated-Sprint Training in Hot and Cool Conditions Similarly Benefits Performance Front Physiol	Exclude	Yes	-	-	-	-	-	-		-
Pham; D. Yeap; G. Esc		Wearable Sensor System to Monitor Physical Activity and the Physiological Effects of Heat Expo Sensors (Basel)	Exclude	Yes	-	-	-	-	-	-		_
R. Pryor; J. L. Pryor; I		Acute Kidney Injury Biomarker Responses to Short-Term Heat Acclimation Int J Environ Res Po		Yes	-	-	-	-	-	-		-
Racinais; M. Ihsan	2020	Why should I test my athletes in the heat several months before Tokyo 2020? Br J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Racinais; D. Nichols;	G. Tr. 2020	Health status, heat preparation strategies and medical events among elite cyclists who competed it Br J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Racinais; J. D. Périard	d 2020	Benefits of heat re-acclimation in the lead-up to the Tokyo Olympics Br J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Rapson; E. Collman; S	S. Fat 2020	Free light chains as an emerging biomarker in saliva: Biological variability and comparisons with Brain Behav Immur	Exclude	Yes	-	-	-	-	-	-	-	-
B. Raven; S. A. Romer	ero 2020	Increasing body temperature with dynamic exercise and/or by wallowing/bathing in hot water or s J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Relf; G. Eichhorn; K.	. Wald 2020	Validity of a wearable sweat rate monitor and routine sweat analysis techniques using heat acclim J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Rissanen; A. Häkkir	inen; J 2020	Acute Neuromuscular and Hormonal Responses to Different Exercise Loadings Followed by a Sa J Strength Cond Res	Exclude	-	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
A. Rissanen; K. Häkkii	inen; J 2020	Acute Hemodynamic Responses to Combined Exercise and Sauna Int J Sports Med	Exclude	-	-	-	-	-	No	No	-	No
F. C. Rodrigues Júnior		Thermoregulatory and metabolic responses to a half-marathon run in hot, humid conditions J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Rodrigues; G. S. Traja		Effects of passive heating intervention on muscle hypertrophy and neuromuscular function: A prel J Therm Biol	Exclude	-	No	-	-	-	-	No	-	-
. Rodríguez; J. V. Piedi		A Matter of Degrees: A Systematic Review of the Ergogenic Effect of Pre-Cooling in Highly Trail Int J Environ Res Pr		Yes	-	-	-	-	-	-	-	-
Rossnerova; A. Izzotti	. ,	The Molecular Mechanisms of Adaptive Response Related to Environmental Stress Int J Mol Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Roth	2020	Reproductive physiology and endocrinology responses of cows exposed to environmental heat str Theriogenology	Exclude	Yes	-	-	-	-	-	-	-	-
M. Salgado; K. E. Cot		Effect of 8 days of exercise-heat acclimation on aerobic exercise performance of men in hypobari Am J Physiol Regul		-	-	-	-	-	-	No	-	-
J. E. Seely	2020	Optimizing Our Patients' Entropy Production as Therapy? Hypotheses Originating from the Physi Entropy (Basel)	Exclude	Yes	-	-	-	-	-	-	-	-
Sekiguchi; E. M. Filep Shahbazi; Y. C. Byun		Does Dehydration Affect the Adaptations of Plasma Volume, Heart Rate, Internal Body Temperati J Sport Rehabil Towards a Secure Thermal-Energy Aware Routing Protocol in Wireless Body Area Network Base Sensors (Basel)	Exclude Exclude	- Yes	No	-	-	-	-	No	-	-
Shang; L. Peng; P. Gu		Metal-Organic Frameworks as a Theranostic Nanoplatform for Combinatorial Chemophototherms ACS Biomater Sci I		Yes	-	-	-	-	-	-	-	-
Shindell; Y. Zhang; M		The Effects of Heat Exposure on Human Mortality Throughout the United States Geohealth	Exclude	Yes		-				-	-	
Siguier-Coll: I. Bartolo		Effects of exposure to high temperatures on serum, urine and sweat concentrations of iron and cor J Therm Biol	Exclude	Yes		-				-	-	
Siquier-Coll; I. Bartolo	,	Effect of exposure to high temperatures in the excretion of cadmium and lead J Therm Biol	Exclude	Yes								
Smith; S. White	2020	Heat acclimatisation on UK exercise SAIF SAREEA 3 BMJ Mil Health	Exclude	-	No	-		-	-	-	-	
B. Smith; S. White	2020	Command application of UK military climatic guidance on Exercise SAIF SAREEA 3 BMJ Mil Health	Exclude	-	No	-	-	-	-	-	-	-
Song; M. Richter; J. V	Waxen 2020	Novel Acclimatization and Acclimation Strategies for Hot Climates Curr Sports Med Re	p Exclude	-	No	-	-	-	-	-	-	-
Sotiridis; U. Ciuha; T.	Г. Deb 2020	Heat acclimation does not modify autonomic responses to core cooling and the skin thermal comf J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
Sotiridis; T. Debevec;		Aerobic but not thermoregulatory gains following a 10-day moderate-intensity training protocol a Physiol Rep	Exclude	Yes	-		-	-	-	-	-	-
Stager; Z. A. Cheviro	on 2020	Is there a role for sarcolipin in avian facultative thermogenesis in extreme cold? Biol Lett	Exclude	Yes	-	-	-	-	-	-	-	-
J. Stevens; M. L. Ross	ss; J. D 2020	Core Temperature Responses to Elite Racewalking Competition	Perfor Exclude	Yes	-	-	-	-	-	-	-	-
Sugie; K. Harada; T.	Takah 2020	Effectiveness of a far-infrared low-temperature sauna program on geriatric syndrome and frailty in Geriatr Gerontol Int	Exclude	Yes	-	-	-	-	-	-	-	-
C. S. Tan; L. K. K. Ch		Thermoregulation in the Aging Population and Practical Strategies to Overcome a Warmer Tomor Proteomics	Exclude	Yes	-	-	-	-	-	-	-	-
Tavares; M. Simões; B		The Acute and Longer-Term Effects of Cold Water Immersion in Highly-Trained Volleyball Athle Front Sports Act Liv		Yes	-	-	-	-	-	-	-	-
H. Taylor; R. S. Taylo		Adding web-based behavioural support to exercise referral schemes for inactive adults with chron Health Technol Asset	ess Exclude	Yes	-	-	-	-	-	-	-	-
Till; J. Weakley; D. B.		Applied Sport Science for Male Age-Grade Rugby Union in England Sports Med Open	Exclude	Yes	-	-	-	-	-	-	-	-
Travers; J. González-A		Exercise heat acclimation has minimal effects on left ventricular volumes, function and systemic Am J Physiol Heart		-	-	-	-	-	-	No	-	-
Travers; D. Nichols; N		Heat Acclimation with Controlled Heart Rate: Influence of Hydration Status Med Sci Sports Exe		-	-	-	-	-	-	No	-	-
Tumilty; N. Gregory; 1	M. Bc 2020	No Influence of Low-, Medium-, or High-Dose Tyrosine on Exercise in a Warm Environment Med Sci Sports Exe	c Exclude	Yes	-	-	-	-	-	-	-	-

											re temp, and thermal comfort during exercis	
			Decision	Reason(s) fo	r inclusion/exclus	ion:			Thysiology during ex	ereise iti 1., neuri inte, swem inte, co	e temp, and thermal control during exercis	e.
Author	Year	Title Journal	Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
K. Vanos; W. M. Thoma		A multi-scalar climatological analysis in preparation for extreme heat at the Tokyo 2020 Olympic Temperature (Austin)	Exclude	Yes	-	-	-	-	-	-	-	-
Vogel; D. Niederer; G. J	Jung 2020	Exercise-Induced Vascular Adaptations under Artificially Versus Pathologically Reduced Blood F Cells	Exclude	Yes	-	-	-	-	-	-	-	-
. Waldron; G. Papavasile	eiou 2020	Concurrent adaptations in maximal aerobic capacity, heat tolerance, microvascular blood flow and J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
J. Wang; C. S. Lee; R. S		Adaptive thermogenesis enhances the life-threatening response to heat in mice with an Ryr1 muta Nat Commun	Exclude	Yes	-	-	-	-	-	-	-	-
. Wang; H. Zhang; Q. Xi		SISNAT Interacts with HSP40, a Molecular Chaperone, to Regulate Melatonin Biosynthesis and F Plant Cell Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Watkins; G. Young; M.		Nobody says to you come back in six months and we'll see how you're doing": a qualitative interv BMC Musculoskelet Di		Yes	-	-	-	-	-	-	-	-
E. Welford; S. Lanham-		Influence of combined vitamin D(3) supplementation and resistance exercise training on musculo BMJ Open	Exclude	Yes	-	-	-	-	-	-	-	-
D. Willingham; T. J. Ra	-	Betaine Supplementation May Improve Heat Tolerance: Potential Mechanisms in Humans Nutrients	Exclude	Yes	-	-	-	-	-	-	-	-
. G. Wilson; J. D. Périaro	-, -	Does passive heat acclimation impact the athlete's heart continuum? Eur J Prev Cardiol	Exclude	-	No	Yes	Yes	Yes	Yes	Yes	No	No
Wu; X. Wang; J. Wu; R.		Performance of heat-health warning systems in Shanghai evaluated by using local heat-related illr Sci Total Environ	Exclude	Yes	-	-	-	-	-	-	-	-
Xue; M. Qiu; Y. Li; Q. I		Creating an Eco-Friendly Building Coating with Smart Subambient Radiative Cooling Adv Mater	Exclude	Yes	-	-	-	-	-	-	-	-
Yamaguchi; N. Kasai; N Y. Zhou; D. G. Huang; N		Acute performance and physiological responses to repeated-sprint exercise in a combined hot and Physiol Rep Wnt/β-catenin-mediated heat exposure inhibits intestinal epithelial cell proliferation and stem cell J Cell Physiol	Exclude	Yes	-	-	-	-	-	-		-
Y. Znou; D. G. Huang; N Ko; J. Kang; S. H. Seol;		Effectiveness of skin-heating using a water-perfused suit as passive and post-exercise heat acclim. J Therm Biol	Exclude Exclude	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	- No
Ko; S. H. Seol; J. Kang;		Adaptive changes in physiological and perceptual responses during 10-day heat acclimation traini J Physiol Anthropol	Exclude	-	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
J. Stevens: M. L. R. Ros		Postexercise Hot-Water Immersion Does Not Further Enhance Heat Adaptation or Performance in Int J Sports Physiol Peri		-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
R. Elv: V. A. Robinson:	,	The Impact of Acute Hot or Cold Water Immersion on Post-Exercise Blood Pressure Regulation FASEB journal	Exclude	-	1 05	-	1 05	-	105	No	105	105
O. Euctr	2020	Open-label, pharmacokinetic, pharmacodynamic, ascending dose safety lead-in followed by a sing https://trialsearch.who.ii		Yes						-	-	
Kim; B. Ro; F. Damen;		Impact of heat therapy on exercise performance, collateral artery growth and skeletal muscle capil FASEB journal	Exclude	-			-		No	No	-	
C. Monroe: C. Lin: S. M		Heat therapy reduces blood pressure and circulating endothelin-1 levels, but does not improve wa FASEB journal	Exclude	-				_	No	No		
A. Rissanen; A. Häkkine		Acute Neuromuscular and Hormonal Responses to Different Exercise Loadings Followed by a Sa Journal of strength & co		-	-	-	_	-	-	No		_
Skorski; J. Schimpchen;		Effects of Postexercise Sauna Bathing on Recovery of Swim Performance International journal of		-	-	-		-	-	No	-	
Abrard; M. Bertrand; T.	De 2021	Physiological, cognitive and neuromuscular effects of heat exposure on firefighters after a live tra Int J Occup Saf Ergon	Exclude	Yes	-	-	-	-	-	-	-	-
W. Agnew; A. L. Roy; S.		Pain sensitivity increases more in younger runners during an ultra-marathon Scand J Pain	Exclude	Yes	-	-	-	-	-	-	-	-
Aijaz; I. M. Almanjahie	ie; J. 2021	Mathematical estimation of fluid concentration in human skin during water immersion J Adv Res	Exclude	Yes	-	-	-	-	-	-	-	-
Akbar; Q. L. Li; M. A.	Akn 2021	Nexus between agro-ecological efficiency and carbon emission transfer: evidence from China Environ Sci Pollut Res	Int Exclude	Yes	-	-	-	-	-	-	-	-
Alkemade; N. Gerrett; T	Г. М. 2021	Individual characteristics associated with the magnitude of heat acclimation adaptations Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Altarriba-Bartes; J. Peña	ia; J. 2021	The use of recovery strategies by Spanish first division soccer teams: a cross-sectional survey Phys Sportsmed	Exclude	Yes	-	-	-	-	-	-	-	-
B. Amin; A. B. Hansen;	; H. 2021	Whole body passive heating versus dynamic lower body exercise: a comparison of peripheral hem J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
P. Anderson; E. J. Pekas	.,	Microvascular Dysfunction in Peripheral Artery Disease: Is Heat Therapy a Viable Treatment? Int J Environ Res Public		Yes	-	-	-	-	-	-	-	-
Arede; S. Cumming; D.	Johi 2021	The effects of maturity matched and un-matched opposition on physical performance and spatial (PLoS One	Exclude	Yes	-	-	-	-	-	-	-	-
N. Baranauskas; K. Co		Heat Versus Altitude Training for Endurance Performance at Sea Level Exerc Sport Sci Rev	Exclude	-	No	-	-	-	-	-	-	-
Barden; K. A. Stokes; C		Utilising a Behaviour Change Model to Improve Implementation of the Activate Injury Prevention Int J Environ Res Public		Yes	-	-	-	-	-	-	-	-
Bartolomé; J. Siquier-Co		Effect of Handgrip Training in Extreme Heat on the Development of Handgrip Maximal Isometric Int J Environ Res Public		-	-	-	-	-	-	No	-	-
Basakci Calik; M. Peke		Investigation of the effectiveness of aerobic exercise training in individuals with ankylosing spond Mod Rheumatol	Exclude	Yes	-	-	-	-	-	-	-	-
L. Benjamin; Y. Sekigue		Heat Acclimation Following Heat Acclimatization Elicits Additional Physiological Improvements Int J Environ Res Public		-	-	-	-	-	-	No	-	-
Bezuglov; A. Lazarev; V		The Prevalence of Use of Various Post-Exercise Recovery Methods after Training among Elite En Int J Environ Res Public		Yes	-	-	-	-	-	-	-	-
Bosy-Westphal; F. A. H		What Is the Impact of Energy Expenditure on Energy Intake? Nutrients	Exclude	Yes	-	-	-	-	-	-	-	-
Bouscaren; R. Faricier; J. Buller; S. K. Delves;	,	Heat Acclimatization, Cooling Strategies, and Hydration during an Ultra-Trail in Warm and Humi Nutrients On the real-time prevention and monitoring of exertional heat illness in military personnel J Sci Med Sport	Exclude	-	No	-	-	-	-	No	-	-
Byber; T. Radtke; D. No		On the real-time prevention and monitoring of exertional heat illness in military personnel J Sci Med Sport Humidification of indoor air for preventing or reducing dryness symptoms or upper respiratory in Cochrane Database of S	Exclude ys Exclude	Yes Yes	-	-	-	-	-	-	-	-
Callovini: A. Fornasiero		Effects of three-exercise sessions in the heat on endurance cycling performance J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Cao; A. Sandberg; J. E.	.,	Evaluation of Spin Columns for Human Plasma Depletion to Facilitate MS-Based Proteomics And J Proteome Res	Exclude	Yes	-	-	-	-	-	-	-	-
M. Carey; S. E. Apple;		Diarrheal pathogens trigger rapid evolution of the guanylate cyclase-C signaling axis in bats Cell Host Microbe	Exclude	Yes		-	-	-	-	-	-	
Chacko; S. Patel; A. Ga		Heat Exposure and Multiple Sclerosis-A Regional and Temporal Analysis Int J Environ Res Public		Yes		-	-	-	-		-	-
L. Chapman; H. W. Hes		Occupational heat exposure and the risk of chronic kidney disease of nontraditional origin in the UAm J Physiol Regul Into		Yes							-	
Chapman; B. D. Johr		Kidney physiology and pathophysiology during heat stress and the modification by exercise, dehy Temperature (Austin)	Exclude	Yes	-	-	-	-	-	-	-	-
K. Chaseling; D. Filing		Blunted sweating does not alter the rise in core temperature in people with multiple sclerosis exers Am J Physiol Regul Into		Yes	-	-	-	-	-	-	-	-
hmielowska-Bak; J. De		Plant Recovery after Metal Stress-A Review Plants (Basel)	Exclude	Yes	-	-	-	-	-	-	-	-
Ciuha; A. Sotiridis; T. N		Heat acclimation enhances the cold-induced vasodilation response Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	1-
G. M. Coelho; J. B. Fen		Head pre-cooling improves 5-km time-trial performance in male amateur runners in the heat Scand J Med Sci Sports	Exclude	Yes	1-	-	-	-	-	-	-	1-
B. Coombs; J. C. Tremb		Distinct contributions of skin and core temperatures to flow-mediated dilation of the brachial arter J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
C. Costa-Beber; T. G. H		HSP70 as a biomarker of the thin threshold between benefit and injury due to physical exercise w Cell Stress Chaperones	Exclude	Yes	-	-	-	-	-	-	-	-
Costello; K. M. Keane;	B. J2021	Plasma uptake of selected phenolic acids following New Zealand blackcurrant extract supplement J Diet Suppl	Exclude	Yes	-	-	-	-	-	-	-	-
		Function and Fiber-Type Specific Distribution of Hsp60 and αB-Crystallin in Skeletal Muscles: R Biology (Basel)	Exclude	Yes								

									**Physiology during ex	ercise = RPE, heart rate, sweat rate. co	re temp, and thermal comfort during exercis	or lactate threshold. se.
			Decision	Reason(s) fo	or inclusion/exclus	sion:					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ī
Author	Year	Title Journal	Include or exclude?		off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
. C. Dennis; P. S. R. G		Increased air temperature during repeated-sprint training in hypoxia amplifies changes in muscle (Eur J Sport Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Dervis; K. L. Dobson	r; T. S. 2021	Heat loss responses at rest and during exercise in pregnancy: A scoping review J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
E. Diamond; R. A. Ma	lartin 2021	Physiological adaptation to cities as a proxy to forecast global-scale responses to climate change J Exp Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Dimauro; E. Grazioli;		Systemic Response of Antioxidants, Heat Shock Proteins, and Inflammatory Biomarkers to Short-Oxid Med Cell Long		Yes	-	-	-	-	-	-	-	-
Donnan; E. L. Willian		The Effects of Heat Exposure During Intermittent Exercise on Physical and Cognitive Performance Percept Mot Skills	Exclude	Yes	-	-	-	-	-	-	-	-
O. Ellis; B. J. Lee; J. I		One night of sleep fragmentation does not affect exercise-induced leukocyte trafficking or mitogel Physiol Behav	Exclude	Yes	-	-	-	-	-	-	-	-
. A. Faghy; P. I. Brown		A flow resistive inspiratory muscle training mask worn during high-intensity interval training doe Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
I. T. Farrow; J. Maher; Foster: J. W. Smallcon		Effect of high-intensity interval training on cardiometabolic component risks in persons with para Exp Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
		Aerobic fitness as a parameter of importance for labour loss in the heat J Sci Med Sport Hemodynamics of post-exercise vs. post hot water immersion recovery J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	- No	-	-
. A. Francisco; C. Coll Fuiii: G. W. McGarr:				-	-	-	-	-	-	- 10	-	-
. Fujii; G. W. McGarr; . M. Gale; N. Etxebarri		Effects of short-term heat acclimation on whole-body heat exchange and local nitric oxide synthat Exp Physiol	Exclude	- Van	-	-	-	-	-	No	-	-
M. Gale, N. Etxebarri M. Gee: M. A. Lacroi		Cycling-based repeat sprint training in the heat enhances running performance in team sport playe Eur J Sport Sci Cardiovascular responses to heat acclimatisation in athletes with spinal cord injury J Sci Med Sport	Exclude Exclude	Yes				-	- No	- No		
. Gerrett: P. Alkemade:	,	Heat Reacclimation Using Exercise or Hot Water Immersion Med Sci Sports Exerc					-		- 140	No		
D. Gibbons; P. N. Ain	,	Influence of the mode of heating on cerebral blood flow, non-invasive intracranial pressure and th J Physiol	Exclude	Yes			-			-	-	
D. Gokay; R. Durkan		Evaluation of physical properties of polyamide and methacrylate based denture base resins polym Niger J Clin Pract	Exclude	Yes								
M. Greenfield; F. G. l		Short-term hot water immersion results in substantial thermal strain and partial heat acclimation; cJ Therm Biol	Exclude	-			-	_	-	No	-	-
P. Griswold; A. Gemp		Personal protective equipment for reducing the risk of COVID-19 infection among health care wo J Trauma Acute Care		Yes	-	-	-	_	-	-		-
Grossmann; J. L. Flue		The Thermoregulatory and Thermal Responses of Individuals With a Spinal Cord Injury During E Front Physiol	Exclude	-	-	-	-	-	No	No		-
Gur Kabul; B. Basako		The efficacy of manual soft-tissue mobilization in ankylosing spondylitis: A randomized controlle Int J Rheum Dis	Exclude	Yes	-	-	-	-	-	-	-	-
G. Halsey; C. M. Bry		Are humans evolved specialists for running in the heat? Man vs. horse races provide empirical ins Exp Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Haroutounian; F. T. A		Change in Exercise Performance and Markers of Acute Kidney Injury Following Heat Acclimatio Nutrients	Exclude	Yes	-	-	-	-	-	-	-	-
N. Henderson; L. G. l	Killen 2021	The Cardiometabolic Health Benefits of Sauna Exposure in Individuals with High-Stress Occupat Int J Environ Res Pul	lic H Exclude	Yes	-	-	-	-	-	-	-	-
Houzelle; J. A. Jörger	nsen; (2021	Human skeletal muscle mitochondrial dynamics in relation to oxidative capacity and insulin sensi Diabetologia	Exclude	Yes	-	-	-	-	-	-	-	-
Jiang; X. Shen; Y. Du	ın; M. 2021	Exercise combined with trimetazidine improves anti-fatal stress capacity through enhancing autor Int J Med Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Jiang; J. L. Warren; N	N. Scov 2021	Using logic regression to characterize extreme heat exposures and their health associations: a time BMC Med Res Meth	odol Exclude	Yes	-	-	-	-	-	-	-	-
. A. Johnson-Bonson; l	B. J. N 2021	Interactive effects of acute exercise and carbohydrate-energy replacement on insulin sensitivity in Appl Physiol Nutr M	etab Exclude	Yes	-	-	-	-	-	-	-	-
. C. Jordan; C. G. R. P	Perry; / 2021	Promoting a pro-oxidant state in skeletal muscle: Potential dietary, environmental, and exercise in Free Radic Biol Med	Exclude	Yes	-	-	-	-	-	-	-	-
Jung; C. K. Uejio; T. I	E. Ade 2021	Using social security number to identify sub-populations vulnerable to the health impacts from ex Environ Res	Exclude	Yes	-	-	-	-	-	-	-	-
. Kaisinova; A. Achaba		[NATURAL THERAPEUTIC FACTORS IN MEDICAL REHABILITATION OF PATIENTS WI Georgian Med News	Exclude	Yes	-	No	-	-	-	-	-	-
Kim; J. Jung; C. Scho		A Comparative Assessment of Cooling Center Preparedness across Twenty-Five U.S. Cities Int J Environ Res Pul		Yes	-	-	-	-	-	-	-	-
K. Kim; Y. Lee; H. Yo		Adaptation of Extended Reality Smart Glasses for Core Nursing Skill Training Among Undergrad J Med Internet Res	Exclude	Yes	-	-	-	-	-	-	-	-
King	2021	Could mitochondria help athletes to make gains? Nature	Exclude	Yes	-	-	-	-	-	-	-	-
. S. Kumar; J. Bart; C.		Core Temperature Lability Predicts Sympathetic Interruption and Cognitive Performance during F J Neurotrauma	Exclude	Yes	-	-	-	-	-	-	-	-
K. Kunutsor; J. A. La Lanza: C. P. Durand		High fitness levels, frequent sauna bathing and risk of pneumonia in a cohort study: Are there pot Eur J Clin Invest Heat-Moderating Effects of Bus Stop Shelters and Tree Shade on Public Transport Ridership Int J Environ Res Pul	Exclude	Yes	-	-	-	-	-	-	-	-
H. Lei: M. Fuiiwara: 1				Yes	-	-	-	-	-	- N-	-	-
H. Lei; F. Wang	2021	The effect of seasonal acclimatization on whole body heat loss response during exercise in a hot h J Appl Physiol (1985) Looking ahead of 2021 Tokyo Summer Olympic Games: How Does Humid Heat Affect Enduranc J Therm Biol		-	- No	-	-	-	-	No	-	-
Lester: G. L. Vickers:		Exercise-induced amplification of mitogen-stimulated oxidative burst in whole blood is strongly i Physiol Rep	Exclude	Yes	No	-	-	-	-	-	-	-
Li; B. Ma; J. Dai; C.	,	Metalized polyamide heterostructure as a moisture-responsive actuator for multimodal adaptive pi Sci Adv	Exclude Exclude	Yes		-			-		-	-
E. Loades; T. Chalde		Anticipation of and response to exercise in adolescents with CFS: An experimental study J Psychosom Res	Exclude	Yes			-				-	-
Lovas; B. Szilágyi; E		Reaction Kinetics Modeling of eHsp70 Induced by Norepinephrine in Response to Exercise Stres: Int J Sports Med	Exclude	Yes			_	-				
Luze; S. P. Nischwitz		The Impact of Thermal Stress on Cognition and the Use of Cooling Wear for Alleviation - an Exp J Burn Care Res	Exclude	Yes	-	-	-	-	-	-	-	-
J. Macartney; S. R. N		Effect of exercise-heat acclimation on cardiac autonomic modulation in type 2 diabetes: a pilot stt Appl Physiol Nutr M		-	-	-	-	-	No	No	-	-
L. MacLean; K. Macl		Monitoring heat strain: the effect of sensor type and location on single-site and mean skin tempera Int Arch Occup Envir		Yes	-	-	-	-	-	-	-	-
MacMaster; M. Porta		The effect of bio-banding on the anthropometric, physical fitness and functional movement charac PLoS One	Exclude	Yes	-	-	-	-	-	-	-	-
L. Maher; K. D. Ander	erson; 12021	Development and deployment of an at-home strength and conditioning program to support a phas Spinal Cord	Exclude	Yes	-	-	-	-	-	-	-	-
H. Manfredi	2021	Overheating or overcooling: heat transfer in the spot to fight against the pandemic obesity Rev Endocr Metab D		Yes	-	-	-	-	-	-	-	-
A. Mang; Z. J. Fennel	l; R. A 2021	Heat acclimation during low-intensity exercise increases VO2max and Hsp72, but not markers of Exp Physiol	Exclude	-	-	-	-	-	-	No	-	-
B. Manukhina; V. E. 7	Tseilik 2021	Cardiac injury in rats with experimental posttraumatic stress disorder and mechanisms of its limit J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
D. Mao; X. Li; S. Y. I		Exertional rhabdomyolysis in newly enrolled cadets of a military academy Muscle Nerve	Exclude	Yes	-	-	-	-	-	-	-	-
J. Martin; M. V. Nied:		Chronic Intermittent Mild Whole-Body Hypothermia Is Therapeutic in a Mouse Model of ALS Cells	Exclude	Yes	-	-	-	-	-	-	-	-
Maunder; D. J. Plews		Temperate performance and metabolic adaptations following endurance training performed under Physiol Rep	Exclude	-	-	-	-	-	-	No	-	-
S. Mazalan; G. J. Lan		Head Cooling Prior to Exercise in the Heat Does Not Improve Cognitive Performance J Sports Sci Med	Exclude	Yes	-	-	-	-	-	-	-	-
McCarthy; R. Deere;	R. Ch 2021	Extent and prevalence of post-exercise and nocturnal hypoglycemia following peri-exercise bolus Nutr Metab Cardiova	sc Di Exclude	Yes	-	-	-	-	-	-	-	-

										= time trial, time to exhaustion, race po	re temp, and thermal comfort during exerci	
			Decision	Reason(s) for it	nclusion/evelus	ion:			Physiology during ex	ercise - KPE, neart rate, sweat rate, co	re temp, and thermal comfort during exerci	2.
Author	Year	Title Journal	Include or exclude?	Irrelevant / off-topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
A. J. McCubbin	2021	Exertional heat stress and sodium balance: Leaders, followers, and adaptations Auton Neurosci	Exclude	Yes	-	-	-	-	-	-	-	-
J. R. McGill; V. L. Simha		HLA Variants and Inhibitor Development in Hemophilia A: A Retrospective Case-Controlled Stud Front Med (Lausanne)	Exclude	Yes	-	-	-	-	-	-	-	-
R. K. Merchant; A. Grun		Exertional heat illnesses in marching band artists: a case series	Exclude	Yes	-	-	-	-	-	-	-	-
J. Y. Min; H. S. Lee; Y. S		Association between income levels and prevalence of heat- and cold-related illnesses in Korean at BMC Public Health	Exclude	Yes	-	-	-	-	-	-	-	-
M. Misailidi; K. Mantzio		Environmental and Psychophysical Heat Stress in Adolescent Tennis Athletes Int J Sports Physiol Perfo	Exclude	Yes	-	-	-	-	-	-	-	-
K. M. Mitchell; R. M. Sa		Heat Acclimation Improves Heat Tolerance Test Specificity in a Criteria-dependent Manner Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
M. Mohammady; M. Rac		Slow versus fast subcutaneous heparin injections for prevention of bruising and site pain intensity Cochrane Database of Systems (Cochrane Database of Systems).		Yes	-	-	-	-	-	-	-	-
F. Morecchiato; M. Copp	pi; I. F 2021	Evaluation of extraction-free RT-PCR methods for faster and cheaper detection of SARS-CoV-2 u Int J Infect Dis	Exclude	Yes	-	-	-	-	-	-	-	-
A. Mornas; S. Racinais; I		Hyperthermia reduces electromechanical delay via accelerated electrochemical processes J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
S. Mourtakos; A. Philipp		The effect of prolonged intense physical exercise of special forces volunteers on their plasma prot J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
K. O. Murray; J. O. Bran		Exertional heat stroke leads to concurrent long-term epigenetic memory, immunosuppression and J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
V. F. Nunfam; E. Afrifa-Y		Heat exposure effect on Ghanaian mining workers: A mediated-moderation approach Sci Total Environ	Exclude	Yes	-	-	-	-	-	-	-	-
H. Ohko; Y. Umemoto; Y		The effects of endurance exercise combined with high-temperature head-out water immersion on Int J Hyperthermia	Exclude	-	-	-	-	-	-	No	-	-
A. Oliveira; A. Lopes; E.		An urban climate-based empirical model to predict present and future patterns of the Urban Thern Sci Total Environ	Exclude	Yes	-	-	-	-	-	-	-	-
S. Olschewski; A. Thiele		Validation of Inactivation Methods for Arenaviruses Viruses	Exclude	Yes	-	-	-	-	-	-	-	-
J. O. Osborne; I. B. Stew		Short-term heat acclimation preserves knee extensor torque but does not improve 20 km self-pace Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
R. J. Park; A. P. Behrer; J		Learning is inhibited by heat exposure, both internationally and within the United States Nat Hum Behav	Exclude	Yes	-	-	-	-	-	-	-	-
M. Perez-Quintero; J. Sic		Three weeks of passive and intervallic heat at high temperatures (100±2 °C) in a sauna improve at J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
J. D. Périard; T. M. H. Ei	ijsvog 2021	Exercise under heat stress: thermoregulation, hydration, performance implications, and mitigation Physiol Rev	Exclude	Yes	-	-	-	-	-	-	-	-
N. J. Pillon; R. J. F. Loos	s; S. N 2021	Metabolic consequences of obesity and type 2 diabetes: Balancing genes and environment for per-	Exclude	Yes	-	-	-	-	-	-	-	-
I. Pokora; E. Sadowska-F	Krępa 2021	The Effect of Medium-Term Sauna-Based Heat Acclimation (MPHA) on Thermophysiological an Int J Environ Res Public I	Exclude	-	No	Yes	Yes	Yes	Yes	Yes	No	Yes
B. H. Poon; S. Prakaash;	; Y. S. 2021	Thermal strain and fluid balance during a 72-km military route march in a field setting Singapore Med J	Exclude	Yes	-	-	-	-	-	-	-	-
A. Presbitero; V. R. Meln	nikov; 2021	A unifying model to estimate the effect of heat stress in the human innate immunity during physic Sci Rep	Exclude	Yes	-	-	-	-	-	-	-	-
J. W. Price	2021	A mixed treatment comparison of selected osteopathic techniques used to treat acute nonspecific l J Osteopath Med	Exclude	Yes	-	-	-	-	-	-	-	-
R. R. Pryor; J. L. Pryor; l	L. W. 2021	Short term heat acclimation reduces heat strain during a first, but not second, consecutive exercise J Sci Med Sport	Exclude	-	-	-	-	-	-	No	-	-
S. Racinais; M. Alhamme	noud; 1 2021	Epidemiology and risk factors for heat illness: 11 years of Heat Stress Monitoring Programme dat Br J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
S. Racinais; J. D. Périard	d; J. Pi 2021	Intensified Training Supersedes the Impact of Heat and/or Altitude for Increasing Performance in Int J Sports Physiol Perfo	Exclude	Yes	-	-	-	-	-	-	-	-
J. A. P. Ramos; C. J. Brac	de; K. 2021	The Internal-to-External Load Ratio: A Tool to Determine the Efficacy of Heat Acclimation/Accli Front Sports Act Living	Exclude	-	No	-	-	-	-	No	-	-
N. Ravanelli; D. Gagnon	n; P. In 2021	A retrospective analysis to determine if exercise training-induced thermoregulatory adaptations ar Exp Physiol	Exclude	-	-	-	-	-	-	No	-	-
B. R. Rønnestad; H. Han	marsla 2021	Five weeks of heat training increases haemoglobin mass in elite cyclists Exp Physiol	Exclude	-	-	-	-	-	-	No	-	-
G. Roussey; T. Bernard;	P. For 2021	Heat acclimation training with intermittent and self-regulated intensity may be used as an alternat J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
G. N. Sandford; T. Stellir	ingwei 2021	Ozone pollution: a 'hidden' environmental layer for athletes preparing for the Tokyo 2020 Olympi Br J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Y. Sekiguchi; C. L. Benja	jamin; 2021	Changes in Hydration Factors Over the Course of Heat Acclimation in Endurance Athletes Int J Sport Nutr Exerc Me	Exclude	-	-	-	-	-	-	No	-	-
P. Semenzato; F. Cagnaco	ci; F. 2021	Behavioural heat-stress compensation in a cold-adapted ungulate: Forage-mediated responses to v Ecol Lett	Exclude	Yes	-	-	-	-	-	-	-	-
V. Sivanantham; A. V. Le	e; Y. S 2021	Adaptive Floor Cleaning Strategy by Human Density Surveillance Mapping with a Reconfigurabl Sensors (Basel)	Exclude	Yes	-	-	-	-	-	-	-	-
D. Slivka; R. Shute; W. F	Hailes 2021	Exercise in the heat blunts improvements in aerobic power Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
J. W. Smallcombe; A. Pu	ahenth 2021	Thermoregulation During Pregnancy: a Controlled Trial Investigating the Risk of Maternal Hyper Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
R. L. Snopkowski; N. T.		The requirement for physical effort reduces voluntary cooling behavior during heat exposure in ht Physiol Behav	Exclude	Yes	-	-	-	-	-	-	-	-
H. Suh; H. R. Lieberman	n; L. T 2021	Cellular dehydration acutely degrades mood mainly in women: a counterbalanced, crossover trial Br J Nutr	Exclude	Yes	-	-	-	-	-	-	-	-
N. A. S. Taylor; J. Y. Lee		Physiological interactions with personal-protective clothing, physically demanding work and glob J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
X. Tian; Z. Fang; W. Liu	2021	Decreased humidity improves cognitive performance at extreme high indoor temperature Indoor Air	Exclude	Yes	-	-	-	-	-	-	-	-
G. Travers; J. González-A	Alons 2021	Exercise Heat Acclimation With Dehydration Does Not Affect Vascular and Cardiac Volumes or S Front Physiol	Exclude	-	-	-	-	-	-	No	-	-
Z. Tu; W. Liu; J. Wang; X	X. Qit 2021	Biomimetic high performance artificial muscle built on sacrificial coordination network and mech Nat Commun	Exclude	Yes	-	-	-	-	-	-	-	-
G. D. Vandana; V. Sejian		Heat stress and poultry production: impact and amelioration	Exclude	Yes	-	-	-	-	-	-	-	-
S. A. Vardar; Z. B. Doğar	ınlar; (2021	Different responses of apoptotic, inflammatory and heat shock protein gene expression to a single Appl Physiol Nutr Metab	Exclude	Yes	-	-	-	-	-	-	-	-
Z. Vesic; V. Jakovljevic;	T. Nil 2021	The influence of acclimatization on stress hormone concentration in serum during heat stress Mol Cell Biochem	Exclude	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
M. Waldron; R. Fowler;		Effects of Heat Acclimation and Acclimatisation on Maximal Aerobic Capacity Compared to Exer Sports Med	Exclude	-	No	-	-	-	-	No	-	-
J. Walker; A. Bissas; G. I		Kinematic factors associated with start performance in World-class male sprinters J Biomech	Exclude	Yes	-	-	-	-	-	-	-	-
E. Walter; W. W. P; O. R.		Exercise hyperthermia induces greater changes in gastrointestinal permeability than equivalent pa Physiol Rep	Exclude	Yes	-	-	-	-	-	-	-	-
F. C. Wardenaar; C. P. Or		A 5-day Heat Acclimation Program Improves Heat Stress Indicators While Maintaining Exercise (J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-
R. Watkins; G. Young; M	-	I think we need to empower people to manage it better themselves": A qualitative interview study Phys Ther Sport	Exclude	Yes	-	-	-	-	-	-	-	-
C. M. Weiner; J. B. Kazn		Perceptual strain in a compensable hot environment: Accuracy and clinical correlates J Therm Biol	Exclude	Yes	-	1-	-	-	-	-	-	1-
K. A. Wickham; P. J. Wal		Sex differences in the physiological adaptations to heat acclimation: a state-of-the-art review Eur J Appl Physiol	Exclude	-	No	-	-	-	-	-	-	1-
A. G. B. Willmott; R. Ho		Heat acclimation improves sweat gland function and lowers sweat sodium concentration in an adu J Cyst Fibros	Exclude	-	-	-	-	-	-	No	-	-
H. Yang; Y. L. Yang; G. O		Identifications of immune-responsive genes for adaptative traits by comparative transcriptome and Sci Rep	Exclude	Yes	-	-	-	-	-	-	-	-
S. Yoon; M. Kim; H. Lee		S-Nitrosylation of Histone Deacetylase 2 by Neuronal Nitric Oxide Synthase as a Mechanism of I Circulation	Exclude	Yes								

										**Physiology during as	ereise = RPE heart rate sweet rate on	re temp, and thermal comfort during exercis	or lactate threshold.
				Decision	Reason(s) for i	inclusion/exclus	ion:			Physiology during ex	ercise - KPE, neart rate, sweat rate, co	e temp, and thermal comfort during exercis	2.
Author	Year	Title	Journal	Include or exclude?	Irrelevant / off-topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
S. Zhang; N. Zhu	2021	Exercise heat acclimation causes human responses and safety performance improvements	J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
Sekiguchi, Y., Benjamin,	C. L. 2021	Effects of Heat Acclimatization, Heat Acclimation, and Intermittent Exercise Heat Training on Tir	Sports Health	Exclude	-	-	-	-	-	-	No	-	-
 Bartolomé; J. Siquier-C 	Coll; 12021	3-Week passive acclimation to extreme environmental heat (100± 3 °C) in dry sauna increases phy	J Therm Biol	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
N. V. Kirby; S. J. E. Luca		Intermittent post-exercise sauna bathing improves markers of exercise capacity in hot and tempera	Eur J Appl Physiol	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
N. V. Kirby; S. J. E. Luca	as; T. 2021	Sex differences in adaptation to intermittent post-exercise sauna bathing in trained middle-distanc	Sports Med Open	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
C. Lundby; I. S. Svendser		Training wearing thermal clothing and training in hot ambient conditions are equally effective me		Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
R. D. McIntyre; M. J. Zur		A comparison of heat acclimation by post-exercise hot water immersion and exercise in the heat		Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
M. Sabapathy; F. Tan; S.	Al Hi 2021	Effect of heat pre-conditioning on recovery following exercise-induced muscle damage	Curr Res Physiol	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
K. A. M. Waldock; O. R.		Exercise heat acclimation and post-exercise hot water immersion improve resting and exercise res	J Sci Med Sport	Exclude	-	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
S. Antoine-Jonville; K. Re	Lemin 2021	Would the (too?) normal adaptation to exercise in sickle cell trait carrier be a reflection of prevent	European journal of preve	Exclude	Yes	-	-	-	-	-	-	-	-
G. Balasekaran; J. Chua;		EFFECTS OF PRECOOLING ON PHYSIOLOGICAL AND PERFORMANCE RESPONSES IN			Yes	-	-	-	-	-	-	-	-
C. L. Benjamin; S. Yasuk		THE OPTIMAL FREQUENCY OF INTERMITTENT HEAT TRAINING TO ELICIT POSITIVE			-	-	-	-	-	-	No	-	-
A. A. Bestavashvili; O. S.		The Effects of Intermittent Hypoxic-Hyperoxic Exposures on Lipid Profile and Inflammation in F			Yes	-	-	-	-	-	-	-	-
A. Callovini; A. Fornasier	., .	,	Journal of thermal biology		-	-	-	-	-	-	No	-	-
G. Chaseling; A. Debray;		Acute Effect of Heat Exposure on Brachial Artery FMD: impact of Modality and Measurement Ti	-	Exclude	-	-	-	-	-	-	No	-	-
R. B. R. d6gxxz	2021		https://trialsearch.who.int/		Yes	-	-	-	-	-	-	-	-
C. De Souza; J. Uendeles		The combined effects of heat acclimation and glutamine supplementation on physical performance	Biomedical and biopharm	Exclude	-	-	-	-	-	-	No	No	-
srctn	2021		https://trialsearch.who.int/		Yes	-	-	-	-	-	-	-	-
M. Kwon; R. Shute; B. R	tuby; 2021	Exercise in the Heat Blunts Improvements in Aerobic Capacity	FASEB journal	Exclude	-	-	-	-	-	-	No	-	-
M. Misailidi; K. Mantzios			International journal of sp		-	-	-	-	-	-	No	-	-
C. Wheelock; D. P. Loone	ey; A 2021	Effect Of Dry And Wet Heat Acclimation Strategies On Exercise Endurance During Warm Water			-	-	-	-	-	-	No	-	-
S. Yasuki; C. L. Benjamin	n; C. 2021	Effects Of Heat Acclimatization, Heat Acclimation And Intermittent Heat Training On Time-trial	Medicine and science in s	Exclude	-	-	-	-	-	-	No	-	-
R. Ahmed; M. Ucci; D. M	Mumc 2022	Effects of thermal sensation and acclimatization on cognitive performance of adult female student	Indoor Air	Exclude	-	-	-	-	-	-	No	-	-
S. Banerjee; A. Middel; S		A regression-based three-phase approach to assess outdoor thermal comfort in informal micro-ent	Int J Biometeorol	Exclude	Yes	-	-	-	-	-	-	-	-
H. Barry; P. Gendron; C.	Gagr 2022	Passive heat acclimation does not modulate processing speed and executive functions during cogn	Appl Physiol Nutr Metab	Exclude	-	-	-	-	-	-	No	-	No
C. L. Benjamin; Y. Sekigu		The efficacy of weekly and bi-weekly heat training to maintain the physiological benefits of heat	J Sci Med Sport	Exclude	-	-	-	-	-	-	No	-	-
P. Brzęk; A. Gębczyński;	P. Se 2022	Significance of variation in basal metabolic rate in laboratory mice for translational experiments	J Comp Physiol B	Exclude	Yes	-	-	-	-	-	-	-	-
J. Corbett; H. C. Massey;	J. T. 2022	The effect of medium-term heat acclimation on endurance performance in a temperate environment	Eur J Sport Sci	Exclude	-	-	-	-	-	-	No	-	-
Г. Egawa; Т. Ogawa; Т. Y		Methylglyoxal reduces molecular responsiveness to 4 weeks of endurance exercise in mouse plan	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
E. Fernández-Martínez; J.		Pain management and coping strategies for primary dysmenorrhea: A qualitative study among fen		Exclude	Yes	-	-	-	-	-	-	-	-
J. Frampton; R. M. Edinb	-	The acute effect of fasted exercise on energy intake, energy expenditure, subjective hunger and ga	Int J Obes (Lond)	Exclude	Yes	-	-	-	-	-	-	-	-
H. Fujiyoshi; T. Egawa; E		TLR4-Mediated Inflammatory Responses Regulate Exercise-Induced Molecular Adaptations in M		Exclude	Yes	-	-	-	-	-	-	-	-
J. N. Hussain; M. M. Coh		Infrared sauna as exercise-mimetic? Physiological responses to infrared sauna vs exercise in healt		Exclude	-	-	-	-	-	-	No	-	-
O. Jay	2022	Can heat exposure improve exercise performance?	J Sci Med Sport	Exclude	-	No	-	-	-	-	No	-	-
J. P. Kimball; O. T. Inan;		Wearable Sensors and Machine Learning for Hypovolemia Problems in Occupational, Military an		Exclude	Yes	-	-	-	-	-	-	-	-
L. S. Kissling; A. P. Aken		A crossover control study of three methods of heat acclimation on the magnitude and kinetics of a		Exclude	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
S. H. Kroesen; J. Q. de K			Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
S. Kumar; P. Lennon; N. I		Using long-range freeze-preventive vaccine carriers in Nepal: A study of equipment performance,		Exclude	Yes	-	-	-	-	-	-	-	-
K. Kwan; E. Helms	2022		J Strength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
P. Ladlow; O. O'Sullivan;		Dysautonomia following COVID-19 is not associated with subjective limitations or symptoms bu		Exclude	Yes	-	-	-	-	-	-	-	-
Z. Li; Z. McKenna; Z. Fe		The combined effects of exercise-induced muscle damage and heat stress on acute kidney stress at		Exclude	Yes	-	-	-	-	-	-	-	-
Y. A. T. Martins; R. L. F.			An Acad Bras Cienc	Exclude	Yes	-	-	-	-	-	-	-	-
N. S. Mazalan; G. J. Land		A Combination of Ice Ingestion and Head Cooling Enhances Cognitive Performance during Endu		Exclude	Yes	-	-	-	-	-	-	-	-
J. Meng; Z. Lv; Y. Wang;		Identification of the redox-stress signaling threshold (RST): Increased RST helps to delay aging in		Exclude	Yes	-	-	-	-	-	-	-	-
E. Mur-Gimeno; R. Sebio		Short-term effects of two different recovery strategies on muscle contractile properties in healthy:		Exclude	-	-	-	-	-	-	No	-	-
Γ. Naito; M. Haramura; K			Eur J Sport Sci	Exclude	-	-	-	-	-	-	No	-	-
C. A. Navas; G. A. Agude			J Insect Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
N. Nishihara; J. Xiong; J.			Sci Total Environ	Exclude	Yes	-	-	-	-	-	-	-	-
S. Racinais; G. Havenith;		Association between thermal responses, medical events, performance, heat acclimation and health		Exclude	-	No	-	-	-	-	No	-	-
M. B. Reid	2022		Cells	Exclude	Yes	-	-	-	-	-	-	-	-
K. Reminy; E. T. Ngo Soo		Strenuous exercise in warm environment is associated with improved microvascular function in si		Exclude	Yes	-	-	-	-	-	-	-	-
R. Renteria; S. Grineski;			Environ Res	Exclude	Yes	-	-	-	-	-	-	-	-
B. R. Rønnestad; J. Hanse			Int J Sports Physiol Perfor		Yes	-	-	-	-	-	-	-	-
W. Simmons; S. Lin; T. J.		Modeling complex effects of exposure to particulate matter and extreme heat during pregnancy or		Exclude	Yes	-	-	-	-	-	-	-	-
J. Soo; S. Racinais; D. J. l	Bish(2022	Effects of mild heat exposure on fatigue responses during two sets of repeated sprints matched for Hsp90 Levels in Idiopathic Inflammatory Myopathies and Their Association With Muscle Involve		Exclude Exclude	- Yes	-	-	-	-	-	No	<u> -</u>	-

										eephonistons to		erformance, VO2max, economy/efficiency,	or factate infestiold.
				Decision	Pancan(a) for it	nalusian/avalus	ion			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exerci-	e.
Author	Year	Title	Journal	Include or exclude?	Reason(s) for in Irrelevant / off- topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
Syed; T. L. O'Sulli	,		Int J Environ Res Public I		Yes	-	-	-	-	-	-	-	-
. Tattan-Birch; J. H			Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
. Wallett; A. McKui	., . , .	Repeated-Sprint Exercise in the Heat Increases Indirect Markers of Gastrointestinal Damage in W		Exclude	-	-	-	-	-	-	No	-	-
. Wang; W. Zhang	2022	MARnet: multi-scale adaptive residual neural network for chest X-ray images recognition of lung	-	Exclude	Yes	-	-	-	-	-	-	-	-
Ashworth, J. Cotte		Post-exercise, passive heat acclimation with sauna or hot-water immersion provide comparable ad	-	Exclude	-	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
P. Philp; N. W. Pit		Hot water immersion; potential to improve intermittent running performance and perception of in-		Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
. Ables; J. A. Freem	,	Fluid Balance is Unlikely Modified by the Menstrual Cycle when Ad Libitum Drinking is Permitt		Exclude	Yes	-	-	-	-	-	-	-	-
ctrn	2022	Cool water foot immersion, skin wetting and fan use as low-cost, at home cooling strategies for ol			Yes	-	-	-	-	-	-	-	-
ctrn ctrn	2022 2022		https://trialsearch.who.int/ https://trialsearch.who.int/		Yes	-	-	-	-	-	-	-	-
ctrn	2022	Sustainable cooling strategies for use in garment factories in low- and middle-income countries			Yes	-	-	-	-	-	-	-	-
. Ahmed; M. Ucci;		Effects of thermal sensation and acclimatization on cognitive performance of adult female student		Exclude	r es	-	-	-	-	-	- No	-	-
T. Al-Otaibi	2022	Physiological and biochemical parameters among a population of bakers exposed to environmenta			Yes	-	-	-	-	-	INO	-	-
. Aliabadi; M. Shaf		Analysis of body heat tolerance of workers in a simulated warm environment based on linear mix		Exclude	Yes	f.	1	T.		T.			£
. M. Aljaroudi; A. E		Effect of Cooling on Static Postural Balance while Wearing Firefighter's Protective Clothing in He			Yes		-	-			-	-	
B. Amin; A. B. Ha		High intensity exercise and passive hot water immersion cause similar post intervention changes i			103						No		
. Aoki; Y. Yamazak		Influence of Heat Exposure on Motor Control Performance and Learning as Well as Physiological			-	-	-	-	-	-	No	-	-
B. Baker: P. J. D. I		Explaining variation in sweat sodium concentration: effect of individual characteristics and exerci		Exclude	Yes	-	-	-	-	-	-	_	-
Banerjee; A. Midd	lel; S. Ch; 2022	A regression-based three-phase approach to assess outdoor thermal comfort in informal micro-ent		Exclude	Yes	-	-	-	-	-	-	-	-
Bartolomé; V. Toro		Acute Effect of Exposure to Extreme Heat (100 ± 3 °C) on Lower Limb Maximal Resistance Street			-	-	-	-	-	-	No	-	-
Beal; J. Corbett; I.		Marathon Performance and Pacing in the Doha 2019 Women's IAAF World Championships: Extra			Yes	-	-	-	-	-	-	-	-
L. Benjamin; Y. Se	ekiguchi; 2022	The efficacy of weekly and bi-weekly heat training to maintain the physiological benefits of heat	Journal of science and me	Exclude	-	-	-	-	-	-	No	-	-
H. Bennett; R. E.	Moran; P. 2022	Reductions in particulate matter concentrations resulting from air filtration: a randomized sham-co	Indoor air	Exclude	Yes	-	-	-	-	-	-	-	-
Bernard; A. Zavor	iti; Q. Pu 2022	Role of macrophages during skeletal muscle regeneration and hypertrophy-Implications for immu	Physiol Rep	Exclude	Yes	-	-	-	-	-	-	-	-
N. Borg; J. L. O'B	trien 2022	Comment on Effects of Heat Acclimation and Acclimatisation on Maximal Aerobic Capacity Com	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Brajer-Luftmann;	M. Kaczr 2022	Regulatory T cells, damage-associated molecular patterns, and myeloid-derived suppressor cells in	Medicine (Baltimore)	Exclude	Yes	-	-	-	-	-	-	-	-
A. Brown; T. H. T	opham; E 2022	Seasonal Heat Acclimatisation in Healthy Adults: A Systematic Review	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Brzęk; A. Gębczyń	iski; P. Se 2022	Significance of variation in basal metabolic rate in laboratory mice for translational experiments	J Comp Physiol B	Exclude	Yes	-	-	-	-	-	-	-	-
A. Campbell; A. P		Acute physiological and psychophysical responses to different modes of heat stress	Experimental physiology	Exclude	-	-	-	-	-	-	No	-	-
Chen; Y. Liu; K. C		Silk-Based Electrochemical Sensor for the Detection of Glucose in Sweat	Biomacromolecules	Exclude	Yes	-	-	-	-	-	-	-	-
H. Cho; S. H. Jung	-	Effect of water filtration infrared-A (wIRA) sauna on inorganic ions excreted through sweat from			Yes	-	-	-	-	-	-	-	-
. Choe; Y. Kwon; Y		Adaptive IR- and Water-Gating Textiles Based on Shape Memory Fibers	ACS Appl Mater Interface		Yes	-	-	-	-	-	-	-	-
. Cil; J. Kim	2022	Extreme temperatures during pregnancy and adverse birth outcomes: Evidence from 2009 to 2018		Exclude	Yes	-	-	-	-	-	-	-	-
Connor; M. Germa		Effect of rapid weight loss incorporating hot salt water immersion on changes in body mass, blood			Yes	-	-	-	-	-	-	-	-
L. Cope; H. W. He		Effect of Acute Heat Exposure on the Pressor Response to a Voluntary Hypoxic Apnea: a Cross-To		Exclude	Yes	-	-	-	-	-	-	-	-
Costello; K. M. K		Plasma uptake of selected phenolic acids following New Zealand blackcurrant extract supplement		Exclude	Yes	-	-	-	-	-	-	-	-
. N. Cramer; D. Ga Crosby; R. Best; K	-	Human temperature regulation under heat stress in health, disease, and injury The Effects of Menthol on a Modified Three-Minute Maximal Test in the Heat	Physiol Rev International journal of sp	Exclude	Yes	-	-	-	-	-	-	-	-
W. Crothers; E. Ro		Intradermal fractional-dose inactivated polio vaccine (fIPV) adjuvanted with double mutant Enter		Exclude	Yes	-	-	-	-	-	-	-	-
ri	2022	Effect of alternate heat and cold treatment by water and device to reduce pain and improve kneen			Yes	-	-	-	-	-	-	-	-
ri	2022		https://trialsearch.who.int/		Yes	-	-	-		-	-	-	
i i	2022		https://trialsearch.who.int/		Yes								
Cui; Z. Gao; U. A.		-	J Appl Physiol (1985)	Exclude	103		-				No		
A. De Barros; M. J		Effects of sex and wet-bulb globe temperature on heart rate variability during prolonged moderate	** *		Yes	-	-	-	-	-	-	-	-
Del Ferraro; T. Fal	lcone; M. 2022	A potential wearable solution for preventing heat strain in workplaces: The cooling effect and the		Exclude	Yes	-	-	_	-	_	-	_	-
C. Dennis; P. S. R		Repeated-sprint training in heat and hypoxia: Acute responses to manipulating exercise-to-rest rat		Exclude	Yes	-	-	-	-	-	-	-	-
C. Dennis; P. S. R		Taking the plunge: When is best for hot water immersion to complement exercise in heat and hyper		Exclude	-	-	-	-	-	-	No	-	1-
Deutsch; A. Sotirio	dis; B. M 2022	Exercise and Interorgan Communication: Short-Term Exercise Training Blunts Differences in Cor		Exclude	Yes	-	-	-	-	-	-	-	1-
Di Felice; R. Baro	ne; E. Tr; 2022	Physiactisome: A New Nanovesicle Drug Containing Heat Shock Protein 60 for Treating Muscle		Exclude	Yes	-	-	-	-	-	-	-	-
J. Donnan; E. L. V		The effect of exercise-induced fatigue and heat exposure on soccer-specific decision-making during		Exclude	Yes	-	-	-	-	-	-	-	-
A. Doohan; I. B. S	Stewart; 12022	Modified Stroop task performance when wearing protective clothing in the heat: An evaluation of		Exclude	Yes	-	-	-	-	-	-	-	-
Egawa; T. Ogawa;	T. Yokok 2022	Methylglyoxal reduces molecular responsiveness to 4 weeks of endurance exercise in mouse plant	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
Eimantas; S. Ivano	ove; N. B 2022	Modulation of neuromuscular excitability in response to acute noxious heat exposure has no addit	Front Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
P. Fenemor; N. D.		Small Performance Effects of a Practical Mixed-Methods Cooling Strategy in Elite Team Sport At			Yes	-	-	-	-	-	-	-	-
J. Fennel; F. T. Am	norim; M. 2022	The heat shock connection: skeletal muscle hypertrophy and atrophy	Am J Physiol Regul Integ	Exclude	Yes	-	-	-	-	-	-	-	-
. Fernández-Martíne	ez; J. Pérc 2022	Pain management and coping strategies for primary dysmenorrhea: A qualitative study among fen	Nurs Open	Exclude	Yes	-	-	-	-	-	-	-	-

										= time trial, time to exhaustion, race p	ore temp, and thermal comfort during exerci	
			Decisio	n Reason(s)	for inclusion/exclu	sion.			Physiology during es	tercise – R.P.E., neart rate, sweat rate, co	re temp, and thermal comfort during exerci	2.
Author	Year	Title Journal	Include exclude	or Irrelevant	/ off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
M. J. Foertsch; J. T. McM		Ketamine Stability over Six Months of Exposure to Moderate and High Temperature Environment Prehosp Emergence		Yes	-	-	-	-	-	-	-	-
J. Frampton; R. M. Edinb	ourgh 2022	The acute effect of fasted exercise on energy intake, energy expenditure, subjective hunger and ga Int J Obes (Lo	nd) Exclude	Yes	-	-	-	-	-	-	-	-
H. Fujiyoshi; T. Egawa; F		TLR4-Mediated Inflammatory Responses Regulate Exercise-Induced Molecular Adaptations in M Int J Mol Sci	Exclude	Yes	-	-	-	-	-	-	-	-
C. K. Garcia; G. P. Robin		The impact of castration on physiological responses to exertional heat stroke in mice PLoS One	Exclude	Yes	-	-	-	-	-	-	-	-
E. Gervasoni; R. Bertoni;		Acute Thermoregulatory and Cardiovascular Response to Submaximal Exercise in People With M Front Immuno		Yes	-	-	-	-	-	-	-	-
D. A. Holdsworth; R. Cha	- 1	Comprehensive clinical assessment identifies specific neurocognitive deficits in working-age patie PLoS One	Exclude	Yes	-	-	-	-	-	-	•	-
B. G. Horgan; S. L. Halso		No effect of repeated post-resistance exercise cold or hot water immersion on in-season body com European journ		-	-	-	-	-	-	No	-	-
B. G. Horgan; N. P. West;		Acute Inflammatory, Anthropometric, and Perceptual (Muscle Soreness) Effects of Postresistance Journal of street	-	-	-	-	-	-	-	No	-	-
Y. Huang; H. Shi; X. Liu;		Analysis of Climate and Income-Related Factors for High Regional Child Drowning Mortality in Int J Public He		Yes	-	-	-	-	-	•	•	-
J. Hussain; M. Cohen; C. Irct20210724051973N	2022	Detections of organophosphate and pyrethroid insecticide metabolites in urine and sweat obtained International jo		Yes		-	-	-	-	-	•	-
Irct20210724031973N Irct20220529055018N	2022		ch.who.int/ Exclude ch.who.int/ Exclude	Yes	-	-	-	-	-	-	•	-
Irct20220329033018N	2022	a new calcium silicate material in partial pulpotomy https://trialsear Reducing fatigue in Long COVID-19: a feasibility study of a self-help intervention to reduce fatight https://trialsear		Yes Yes		-	-		-	-	-	-
Isrctn	2022		ch.who.int/ Exclude	Yes			-		1	_	-	-
B. W. Kaiser; C. L. Chapi		Efficacy of Hot Water Immersion versus Aerobic Exercise Training in Lowering Blood Pressure a FASEB journa		1 65		1	- E		T.	No	_	_
C. Karamaoun; B. Haut; (Is airway damage during physical exercise related to airway dehydration? Inputs from a computat J Appl Physiol		Yes	-	-	-	-	-	-	_	_
J. Karolkiewicz; D. C. Ni		No effects of a 4-week post-exercise sauna bathing on targeted gut microbiota and intestinal barric BMC sports sc		-	-	-	-	-	-	-	-	No
Kct	2022	Emotional Freedom Techniques vs Written Exposure Therapy vs Waiting List for Posttraumatic St https://trialsear		Yes	-	-	-	-	-	-		-
A. Kennedy-Hendricks; F	E. E. 2022	Effect of Exposure to Visual Campaigns and Narrative Vignettes on Addiction Stigma Among He: JAMA network		Yes		-		-	-			-
M. E. Keramidas; R. Kole		Acral skin vasoreactivity and thermosensitivity to hand cooling following 5 days of intermittent w American jour		Yes	-	-	-	-	-	-	-	-
J. P. Kimball; O. T. Inan;	V. A. 2022	Wearable Sensors and Machine Learning for Hypovolemia Problems in Occupational, Military an Sensors (Basel) Exclude	Yes	-	-	-	-	-	-		-
S. H. Kroesen; J. Q. de K	orte; 2022	Impact of thermal sensation on exercise performance in the heat: a Thermo Tokyo sub-study European journ	nal of applie Exclude	Yes	-	-	-	-	-	-	-	-
W. H. Kuan; Y. L. Chen;	C. L. 2022	Excretion of Ni, Pb, Cu, As, and Hg in Sweat under Two Sweating Conditions Int J Environ F	tes Public H Exclude	Yes	-	-	-	-	-	-	-	-
D. B. Kulchitskaya; A. D.	. Fest 2022	Non-drug methods of treatment of post-thrombophlebitic syndrome Voprosy kurori	ologii, fizio Exclude	Yes	-	-	-	-	-	-	-	-
S. Kumar; P. Lennon; N.	Mull 2022	Using long-range freeze-preventive vaccine carriers in Nepal: A study of equipment performance, Vaccine X	Exclude	Yes	-	-	-	-	-	-	-	-
A. Kutywayo; M. Chersic	ch; N 2022	Climate change knowledge, concerns and experiences in secondary school learners in South Afric Jamba	Exclude	Yes	-	-	-	-	-	-	-	-
K. Kwan; E. Helms	2022	Prevalence, Magnitude, and Methods of Weight Cutting Used by World Class Powerlifters J Strength Con		Yes	-	-	-	-	-	-	-	-
P. Ladlow; O. O'Sullivan;		Dysautonomia following COVID-19 is not associated with subjective limitations or symptoms bu Heart Rhythm	Exclude	Yes	-	-	-	-	-	-	-	-
E. A. Larson; B. W. Kaise		Systemic Cardiovascular Adjustments during Recovery from Passive Heat Stress FASEB journa	l Exclude	Yes	-	-	-	-	-	-	-	-
E. Lee; I. Kolunsarka; J. l		Effects of regular sauna bathing in conjunction with exercise on cardiovascular function: a multi- Am J Physiol I		-	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
J. K. W. Lee; B. Tan; B. F		Biomarkers for warfighter safety and performance in hot and cold environments J Sci Med Spo		Yes	-	-	-	-	-	-	-	-
J. K. W. Lee; B. Tan; H. I	B. Og 2022 2022	Exertional heat stroke: nutritional considerations Exp Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Y. Lee; S. Lee		Effects of oral ingestion of drinking water using a far-infrared-emitting tumbler on lipid profile an Obesity facts	Exclude	Yes	-	-	-	-	-	-	-	-
Z. Li; Z. McKenna; Z. Fe		The combined effects of exercise-induced muscle damage and heat stress on acute kidney stress a European journ		Yes	-	-	-	-	-	-	-	-
Z. Li; Z. McKenna; Z. Fe G. Liu; Y. Liu; J. Tao; Y. I		The combined effects of exercise-induced muscle damage and heat stress on acute kidney stress at Eur J Appl Phy Differential gene expression and bioinformatics analysis in sepsis secondary to pneumonia Zhonghua wei	siol Exclude zhong bing Exclude	Yes	•	-	-	-	-	•	•	-
A. Lloyd; D. Fiala; C. He		A mathematical model for predicting cardiovascular responses at rest and during exercise in dema J Appl Physiol		Yes	-	-	-	-	-	-	-	-
R. Lok; T. Woelders; M. J		Bright Light Decreases Peripheral Skin Temperature in Healthy Men: a Forced Desynchrony Stud Journal of biol		Yes		-	-		-	-	-	-
K. C. Makris: P. Charisia		Diurnal Nonlinear Recurrence Metrics of Skin Temperature and Their Association with Metabolic International jo		Yes	-	-	-	-	1	_	_	_
M. Manware; R. Dubrow		Residential and Race/Ethnicity Disparities in Heat Vulnerability in the United States Geohealth	Exclude	Yes	-	-	-	-	_	-	_	-
E. D. Marchant; R. D. Hy		Localized Heat Therapy Improves Mitochondrial Respiratory Capacity but Not Fat Oxidation in FFASEB journa		Yes	-	-	-	-	-	-	-	-
E. D. Marchant; J. P. Kalı		Localized Heat Therapy Improves Mitochondrial Respiratory Capacity but Not Fatty Acid Oxidat International jo		Yes	-	-	-	-	-	-	-	-
R. A. Marciniak; C. A. W	/ahl; I 2022	Autonomic Nervous System Response to Far-Infrared Sauna Exposure in Firefighters Ann Work Exp		Yes	-	-	-	-	-	-	-	-
Y. A. T. Martins; R. L. F.		A 32-day long fieldwork in Antarctica improves heat tolerance during physical exercise An Acad Bras		Yes	-	-	-	-	-	-	-	-
M. Mase; A. Werner; G. I		Low Ambient Temperature Exposition Impairs the Accuracy of a Non-invasive Heat-Flux Thermo Frontiers in ph		Yes	-	-	-	-	-	-	-	-
A. R. D. Matthews; T. A.	Asto 2022	Acute Effects of High-Intensity Interval Exercise While Wearing a Sauna Suit on Energy Expendi J Strength Con	d Res Exclude	Yes	-	-	-	-	-	-	-	-
N. S. Mazalan; G. J. Land	ders; 2022	Ice Ingestion Maintains Cognitive Performance during a Repeated Sprint Performance in The Hea J Sports Sci M	ed Exclude	Yes	-	-	-	-	-	-	-	-
N. S. Mazalan; G. J. Lanc	ders; 2022	A Combination of Ice Ingestion and Head Cooling Enhances Cognitive Performance during Endu J Sports Sci M	ed Exclude	Yes	-	-	-	-	-	-	-	-
D. McEwan; R. E. Rhode		What Happens When the Party is Over?: Sustaining Physical Activity Behaviors after Intervention Behav Med	Exclude	Yes	-	-	-	-	-	-	-	-
M. L. McGlynn; C. Collin			ournal of en Exclude	-	-	-	-	-	-	No	-	-
R. D. McIntyre; M. J. Zui		A comparison of medium-term heat acclimation by post-exercise hot water immersion or exercise Am J Physiol I		-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
R. D. Meade; A. P. Akern		Body temperature and cardiovascular regulation in older adults during 8-hour exposures to ambie FASEB journal		Yes	-	-	-	-	-	-	-	-
. Meng; Z. Lv; Y. Wang;		Identification of the redox-stress signaling threshold (RST): Increased RST helps to delay aging it Free Radic Bio		Yes	-	-	-	-	-	-	-	-
J. J. Miles; P. M. McGuig		Biomechanical asymmetries differ between autograft types during unplanned change of direction Scand J Med S		Yes	-	-	-	-	-	-	-	-
K. C. Miller; E. D. Launs		Body Core Temperature Cooling Using Two Cold-Water Immersion Preparation Strategies Journal of athle	etic training Exclude	Yes								

										**Physiology durir	= time trial, time to exhaustion, race po	re temp, and thermal comfort during exercis	r factate infestion.
				Decision	Reason(s) for	inclusion/exclus	ion:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	e temp, and thermal comfort during exercis	е.
Author	Year	Title	Journal	Include or exclude?	Irrelevant / off topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
Mur-Gimeno; R. S	Sebio-Gar 2022	Short-term effects of two different recovery strategies on muscle contractile properties in healthy	Journal of sports sciences	Exclude	Yes	-	-	-	-	-	-	-	-
Najem; M. Meeus	s; B. Cagn 2022	The Effect of Praying on Endogenous Pain Modulation and Pain Intensity in Healthy Religious In	Journal of religion and he	Exclude	Yes	-	-	-	-	-	-	-	-
A. Navas; G. A. A	gudelo-C 2022	Thermal boldness: Volunteer exploration of extreme temperatures in fruit flies	J Insect Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
ct	2022	Effectiveness of Ecological Momentary Assessment Based Smoking Cessation Intervention	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	-	-	-
ct	2022	Assessment of Cryotherapy's Analgesic Impact in Anti-aromatase-induced Arthralgia	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	-	-	-
ct	2022	3D Printed Titanium Mesh vs Guided Autogenous Graft	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	-	-	-
ct	2022	Leg Heat Therapy in Elderly Individuals	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	-	-	-
ct	2022	Pre-heated Resin Composite Restoration	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	-	-	-
at	2022	Hypothermia Prevention Measures in Osteosynthesis	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	-	-	-
ct	2022	Non-inferiority Trial of Locally Manufactured Typhoid Conjugate Vaccine 'Typhocon' in Banglad			Yes	-	-	-	-	-	-	-	-
ct 	2022	Exercise Study in Brain and CNS Cancer	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	-		-
ct ct	2022	Influences of Female Sex and Reproductive Hormones on Physiological Aspects of Heat Acclima The Effects of Telerehabilitation-Based Spinal Stabilization Exercises in Stroke Patients			Yes	-	-	-	-	-	-		-
ct	2022	The Effects of Telerehabilitation-Based Spinal Stabilization Exercises in Stroke Patients The Effects of Heated Tobacco Products Use on Lung Function and Volatile Organic Compounds	https://clinicaltrials.gov/sl		Yes Yes	-	-	-	-	-	-	- -	-
ct			-			-	-	-	-	-	-	-	-
it 1	2022 2022	Clinical Trial on Ceramic Partial Laminate Veneers With Different Luting Agents Effects of Exercise & Tart Cherry Ingestion on Heat Acclimation and Gut Microbiome	https://clinicaltrials.gov/sl https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	- No	-	-
31 31	2022	The Effect of an Acute Bout of Exercise on Serum Vitamin D Concentration	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	NO	-	-
at .	2022	The Effect of Mealworm Protein Ingestion on Muscle Protein Synthesis After Running Exercise in			Yes	-	-	-	-	-	-	-	-
it.	2022	A Novel Cooling Vest to Protect Persons With SCI From Hyperthermia	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	-	-	-
t	2022	Effect of Menthol on ENDS Users' Addiction and Exposure	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	-	-	-
t	2022	Phototherapy and Radiofrecuency for Cellulite	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	-	-	-
t	2022	The Effect of Proprietary Water on Physiological and Perceptual Responses	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	-		-
t	2022	Preheated Composites Vs. Conventional Composites in Noncarious Cervical Lesions	https://clinicaltrials.gov/sl		Yes	-	-	-	-	-	-	-	-
f	2022	Effect of a 4-week Post-exercise Sauna Bathing on Targeted Gut Microbiota	https://clinicaltrials.gov/sl		- CS	-	-	-	-	-	-	-	No
t	2022	Clinical Effectiveness of PEMF as a Treatment Adjunct to Eccentric Exercise for Achilles Tending			Yes	-	-	-	-	-	-	<u> </u>	140
et e	2022	Clinical and Biochemical Assessment of Ozonated Olive Oil Mixed Bone Substitute in Treating In			Yes		-	-	-	-	-	-	-
it .	2022	Heat Therapy to Accelerate Muscle Recovery	https://clinicaltrials.gov/sl		-	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
1	2022	The Effects of 8 Weeks Post Exercise Hot Water Immersion on Vascular and Cardiometabolic Hea				Yes	Yes	Yes	No	Yes	Yes	Yes	No
et	2022	Chronic Passive Heating in Healthy Older Adults	https://clinicaltrials.gov/sl		-	-	-	-	-	-	No	-	-
Nishihara; J. Xion	ng; J. Kim 2022	Effect of adaptive opportunity on cognitive performance in warm environments	Sci Total Environ	Exclude	Yes	-	-	-	-	-	-	-	-
M. Oliveira; L. F.		Different dehydration levels and their impact on blood ammonia, cognitive-motor performance, as			Yes	-	-	-	-	-	-	-	-
O. Osborne; G. M.	Minett; I 2022	Evidence that heat acclimation training may alter sleep and incidental activity	European journal of sport	Exclude	-	-	-	-	-	-	No	-	-
T. Parsons; D. Snap	pe; J. O'H 2022	Orthostatic tolerance following heat acclimation: a single blinded randomised controlled trial	Clinical autonomic resear	Exclude	-	-	-	-	-	-	No	-	-
. Pawłowska; C. M	fila-Kierz 2022	The Influence of Ambient Temperature Changes on the Indicators of Inflammation and Oxidative	Antioxidants (Basel)	Exclude	Yes	-	-	-	-	-	-	-	-
D. Périard; D. DeC	Groot; O 2022	Exertional heat stroke in sport and the military: epidemiology and mitigation	Exp Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Peterson; C. Lol	hman; R. 2022	Body composition does not influence conditioned pain modulation and exercise-induced hyperalg	Eur J Pain	Exclude	Yes	-	-	-	-	-	-	-	-
P. Philp; N. W. Pit	tchford; D 2022	Can ten days of heat acclimation training improve temperate-condition rowing performance in nat	PLoS One	Exclude	-	-	-	-	-	-	No	-	-
K. Pizzey; S. L. Rı	uediger; J 2022	Comparing the Effects of 30- and 60-min of Acute Whole-Body Passive Heat Stress on Periphera	FASEB journal	Exclude	-	-	-	-	-	-	No	-	-
H. Poon; S. Praka	ash; Y. S. 2022	Thermal strain and fluid balance during a 72-km military route march in a field setting	Singapore Med J	Exclude	Yes	-	-	-	-	-	-	-	-
Protasi; B. Girolan	ni; M. Sei 2022	Ablation of Calsequestrin-1, Ca(2+) unbalance, and susceptibility to heat stroke	Front Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Racinais; G. Have	nith; P. A. 2022	Association between thermal responses, medical events, performance, heat acclimation and health	Br J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Rahimpour; R. Ho		Alterations of liver enzymes and lipid profile in response to exhaustive eccentric exercise: vitamin		Exclude	Yes	-	-	-	-	-	-	-	-
B. Reid	2022		Cells	Exclude	Yes	-	-	-	-	-	-	-	-
Reminy; E. T. Ng		Strenuous exercise in warm environment is associated with improved microvascular function in s		Exclude	Yes	-	-	-	-	-	-	-	-
Renteria; S. Grine		Social disparities in neighborhood heat in the Northeast United States	Environ Res	Exclude	Yes	-	-	-	-	-	-	-	-
S. H. Roberts; S. J		Does game-day circadian misalignment or environmental temperature influence team performance	-	Exclude	Yes	-	-	-	-	-	-	-	-
Roklicer; C. Rossi			J Int Soc Sports Nutr	Exclude	Yes	-	-	-	-	-	-	-	-
R. Rønnestad; J. F		Case Report: Heat Suit Training May Increase Hemoglobin Mass in Elite Athletes	Int J Sports Physiol Perform		-	-	-	-	-	-	No	-	-
R. Rønnestad; O.		Heat suit training increases hemoglobin mass in elite cross-country skiers	Scand J Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
R. Rønnestad; T. U		Heat Training Efficiently Increases and Maintains Hemoglobin Mass and Temperate Endurance P		Exclude	-	-	-	-	-	-	No	-	-
Rothschild-Rodrig			Exerc Immunol Rev	Exclude	Yes	-	-	-	-	-	-	-	-
B. R. rtpfqx	2022	Effects of aquatic exercise on the function of patients with amputation	https://trialsearch.who.int		Yes	-	-	-	-	-	- N-	-	-
. M. Saillant; N. Cl B. Sedilla; T. Mae		Individual variability in achievement of short-term heat acclimation during a fixed intensity proto		Exclude	- -	-	-	-	-	-	No	-	-
		Autonomic thermoregulatory responses and subjective thermal perceptions upon the initiation of the property of			Yes	-	-	-	-	-	- N-		-
Sekiguchi; C. L. B	Benjamin; 2022 Benjamin; 2022	Effects of Heat Acclimation Following Heat Acclimatization on Whole Body Heat Exchange in Tusing Predictive Modeling Technique to Assess Core Temperature Adaptations from Heart Rate, to			-	-	-	-	-	-	No No	<u>-</u>	-

										**Physiology during as	= time trial, time to exhaustion, race po ercise = RPE heart rate, sweat rate, co	re temp, and thermal comfort during exercis	or lactate threshold.
				Decision	Reason(s) for	inclusion/exclus	ion.			r nysiology during ex	ercise - Kr E, mean rate, sweat rate, co	re temp, and thermal control during exercis	
uthor	Year	Title	Journal	Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measurin endurance exercise performance/capaci or physiology durin exercise**?
Sekiguchi; C. L. Benja		Effects of Heat Acclimatization, Heat Acclimation, and Intermittent Exercise Heat Training on Tir	Sports Health	Exclude	-	-	-	-	-	-	No	-	-
Shaw; C. Walkington;	; E. Co 2022	Effectiveness of short-term isothermic-heat acclimation (4 days) on physical performance in mode	PLoS One	Exclude	-	-	-	-	-	-	No	-	-
H. Shirazipour; R. C.	. Stone 2022	Examining the Impact of the Rio 2016 Paralympic Games on Explicit Perceptions of Paralympian	Health communication	Exclude	Yes	-	-	-	-	-	-	-	-
Simmonds; J. Cole; J.		Physiological and thermoregulatory effects of oral taurine supplementation on exercise tolerance of			Yes	-	-	-	-	-	-	-	-
Simmons; S. Lin; T. J		Modeling complex effects of exposure to particulate matter and extreme heat during pregnancy or		Exclude	Yes	-	-	-	-	-	-	-	-
Sitkowski; T. Cison; 2		Hematological Adaptations to Post-Exercise Sauna Bathing with No Fluid Intake: a Randomized (_	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Soo; S. Racinais; D. J.		Effects of mild heat exposure on fatigue responses during two sets of repeated sprints matched for		Exclude	-	-	-	-	-	-	No	-	-
Sotiridis; T. Debevec;		Cross-adaptation between heat and hypoxia: mechanistic insights into aerobic exercise performan			-	No	-	-	-	-	-	-	-
Štangar; A. Štangar; '		Rapid weight loss among elite-level judo athletes: methods and nutrition in relation to competition	•	Exclude	Yes	-	-	-	-	-	-	-	-
Stenfors; H. Persson;		A breathing mask attenuates acute airway responses to exercise in sub-zero environment in health			Yes	-	-	-	-	-	-	-	-
T. Stephenson; T. J. O		Ice Slurry Ingestion Lowers Thermoregulatory Strain in Wheelchair Tennis Players During Repea			Yes	-	-	-	-	-	-	-	-
L. Stone; J. D. Ashley			J Strength Cond Res	Exclude	-	-	-	-	-	-	No	No	-
Štorkánová; S. Oreska		Hsp90 Levels in Idiopathic Inflammatory Myopathies and Their Association With Muscle Involve		Exclude	Yes	-	-	-	-	-	-	-	-
Sumi; H. Nagatsuka;		Heat acclimation does not attenuate hepcidin elevation after a single session of endurance exercise			-	-	-	-	-	-	No	-	-
Syed; T. L. O'Sullivan		Extreme Heat and Pregnancy Outcomes: A Scoping Review of the Epidemiological Evidence			Yes	-	-	-	-	-	-	-	-
C. C. Tan; W. H. Ang;		Efficacy of Isothermic Conditioning over Military-Based Heat Acclimatization and Interval Traini		Exclude	Yes	-	-	-	-	-	-	-	-
r	2022	Early weight bearing after ankle fracture fixation rapid returns of driving: a randomized controlled			Yes	-	-	-	-	-	-	-	-
f. Tebeck; J. D. Buckl		Longitudinal haematological responses to training load and heat acclimation preceding a male teal	•	Exclude	-	-	-	-	-	-	No	No	-
Tochihara; H. Wakaba			J Physiol Anthropol	Exclude	Yes	-	-	-	-	-	-	-	-
Uchiyama; J. King; K		The influence of rest break frequency and duration on physical performance and psychophysiolog		Exclude	Yes	-	-	-	-	-	-	-	-
jszegi; R. Bertalan; N. Velasquez-Munoz; N.		Heat waves" experienced during larval life have species-specific consequences on life-history trai		Exclude	Yes	-	-	-	-	-	-	-	-
		Effect of a 2-step probiotic program on digestive health and performance of Holstein heifer calves		Exclude	Yes	-	-	-	-	-	-	-	-
Waldron; R. Fowler; S. Walker, E. O. Semi		Response to Comment on: Effects of Heat Acclimation and Acclimatisation on Maximal Aerobic		Exclude	Yes	-	-	-	-	-	-	-	-
S. Walker; E. O. Semi Wallett; A. McKune;	,	Efficacy of Air Filtration and Education Interventions on Indoor Fine Particulate Matter and Child			Yes	-	-	-	-	-	-	-	-
Wang; W. Zhang	2022	Repeated-Sprint Exercise in the Heat Increases Indirect Markers of Gastrointestinal Damage in W MARnet: multi-scale adaptive residual neural network for chest X-ray images recognition of lung			Yes	-	-	-	-	-	-	-	-
Wang: B. J. He: C. Ka		Assessment of walkability and walkable routes of a 15-min city for heat adaptation: Development		Exclude Exclude	Yes Yes	-	-	-	-	-	-	-	-
R. C. Weaver: C. Ren			Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
S. Weller; M. J. Buon			J Therm Biol	Exclude	105		-	-	-	-	No	-	-
E. Wheelock; D. P. Lo			Military medicine	Exclude			-			-	No		-
E. Wheelock; D. P. Lo			Undersea & hyperbaric m								No	-	
T. Wolf; T. E. Bernard				Exclude	Yes		-		-		-	-	
Younus; T. Akhtar; H.		Effects of Brief Intervention of Behavioural Change on Pain, Mobility, Function, and Quality of L			Yes						-	-	
Zaman; T. Mukhtar; M	1		International journal of ne		Yes		-		-			_	
Zhong; H. Dong; Y. W		Remote ischemic preconditioning enhances aerobic performance by accelerating regional oxygena		Exclude	Yes		-	_	_		_	_	
Zhu: M. Lal	2022	Preclinical Safety and Pharmacokinetics of Heat Stable Oxytocin in Sublingual Fast-Dissolving T		Exclude	Yes		-	-	-	-	-	-	-
P. Fenemor: M. W. Dr	riller: 12022	Practical application of a mixed active and passive heat acclimation protocol in elite male Olympi			-	No	-	-	-	-	-	No	-
Acar; N. Ilcin; B. Gur	. ,	The effects of clinical pilates training on disease-specific indices, core stability, and balance in pat			Yes	-	-	-	-	-	-	-	
M. Cheibub; R. Muni			J Pharm Biomed Anal	Exclude	Yes	-	-	-	-	-	-	-	
F. Chersich; F. Scorgi		Increasing global temperatures threaten gains in maternal and newborn health in Africa: A review	Int J Gynaecol Obstet	Exclude	Yes	_	-	_	_	-	-	-	_
Corbett; J. Wright; M.	-		BMJ Mil Health	Exclude	Yes	-	-	-	-	-	-	-	-
L. E. Costley; J. J. Mil			Sports Biomech	Exclude	Yes	-	-	-	-	-	-	-	-
P. Fenemor; M. W. Dr		Heating Up to Keep Cool: Benefits and Persistence of a Practical Heat Acclimation Protocol in El	Int J Sports Physiol Perfor		-	No	-	-	-	-	-	No	-
Hussain; M. Cohen; C		Detections of organophosphate and pyrethroid insecticide metabolites in urine and sweat obtained			Yes	-	-	-	-	-	-	-	-
.ei; S. Shi; D. Wang;			ACS Nano	Exclude	Yes	-	-	-	-	-	-	-	-
I. Lei; M. Fujiwara;	T. Am: 2023	Induction and decay of seasonal acclimatization on whole body heat loss responses during exercis	Am J Physiol Regul Integ	Exclude	-	-	-	-	-	-	No	-	-
iu; H. Feng; Y. Gui;	; T. Ch 2023	Flexible Stretchable, Dry-Resistant MXene Nanocomposite Conductive Hydrogel for Human Mot	Polymers (Basel)	Exclude	Yes	-	-	-	-	-	-	-	-
C. Maccarone; G. Ma		Short-time effects of spa rehabilitation on pain, mood and quality of life among patients with dege		Exclude	Yes	-	-	-	-	-	-	-	-
Mornas; F. Brocherie;	e; G. G 2023	Active Heat Acclimation Does Not Alter Muscle-Tendon Unit Properties	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
Otani	2023	Prior heat exposure diminishes upper-body endurance work capacity and maximal arm and leg str	Int J Biometeorol	Exclude	-	-	-	-	-	-	No	-	-
N. Schroeder; Z. J. St	Suriano 2023	Using Wet Bulb Globe Temperature and Physiological Equivalent Temperature as Predicative Mo	Clin J Sport Med	Exclude	Yes	-	-	-	-	-	-	-	-
Sumi; H. Nagatsuka;	; K. Ma 2023	The Impact of Heat Acclimation on Gastrointestinal Function following Endurance Exercise in a I	Nutrients	Exclude	-	-	-	-	-	-	No	-	-
Towlson; D. J. Watson	on; S. C 2023	Soccer academy practitioners' perceptions and application of bio-banding	PLoS One	Exclude	Yes	-	-	-	-	-	-	-	-
Vare-Gilmore; M. No	ovelo; 2023	Assessing the role of family level variation and heat shock gene expression in the thermal stress re	Philos Trans R Soc Lond	Exclude	Yes	-	-	-	-	-	-	-	-
	numa; 2023	Adding heat stress to repeated-sprint training in hypoxia does not enhance performance improver	E TA LINE ' I	Exclude							No		

												erformance, VO2max, economy/efficiency, are temp, and thermal comfort during exerci-	
				Decision	Reason(s) for	inclusion/exclus	ion.			**Physiology during ex	ercise = KPE, heart rate, sweat rate, co	re temp, and thermal comfort during exerci	e.
	Year	Title	Journal	Include or exclude?	Irrelevant / of topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measurin endurance exercise performance/capaci or physiology during exercise**?
ma, Elizabeth; Heenan, Me		Avoid equipment graveyards: rigorous process to improve identification and procurement of effect		Exclude	Yes								
nnett, Samuel; Tiollier, Eve		Environmental heat stress offsets adaptation associated with carbohydrate periodization in trained			Yes								
donde, Julia; Fisher, Emma;		Effectiveness of non-pharmacological interventions for fibromyalgia and quality of review method			Yes								
azevich, Anthony J.; Fletche		More than energy cost: multiple benefits of the long Achilles tendon in human walking and running			Yes								
ourgois, Gil; Mucci, Patrick;		Effect of acute heat exposure on the determination of critical power and W' in women and men.			Yes								
öde, Peter; Kampmann, Ber		Temperature-Humidity-Dependent Wind Effects on Physiological Heat Strain of Moderately Exer		Exclude	Yes								
uguet, Alain; Radomski, Mar			Journal of the neurologica		Yes								
ıller, Mark J.; Atkinson, Em		Individualized monitoring of heat illness risk: novel adaptive physiological strain index to assess of			Yes								
araway, J. Joseph; Shepard, J.			Journal of sport rehabilita		Yes								
nang, Howard H.; Zhang, Ha		Associations between short-term ambient temperature exposure and emergency department visits			Yes								
hen, Ting-Hsuan; Hong, Yao		A kirigami-enabled electrochromic wearable variable-emittance device for energy-efficient adapti		Exclude	Yes								
nu, Lingzhi; Chen, Kai; Crov pertjens, Marcelo; Coertjens.		Associations between short-term temperature exposure and kidney-related conditions in New York			Yes	37	V		37	37	N.		
ole, Edward; Donnan, Kate J		Energetic responses of head-out water immersion at different temperatures during post-exercise re Short-term heat acclimation protocols for an aging population: Systematic review.	PloS one	Exclude		Yes	Yes	Yes Yes	Yes Yes	Yes No	No No		
ollado, Aurélie; Rinaldi, Kév		1 111			Vac	INO	1 es	1 08	i es	INO	INO		
oss, Rosina; Greaves, Colin		A qualitative longitudinal study of motivation in the REtirement in ACTion (REACT) physical act		Exclude	Yes Yes								
udeiro, Jesús; Soto, David; C		Heat exposure following encoding can interfere with subsequent recognition memory.		Exclude	Yes								
eshayes, Thomas A.; Sodabi		Shifting focus: Time to look beyond the classic physiological adaptations associated with human l			1 03	No							
Cicco. Mattia: Di Lorenzo.		Some like it hot: Thermal preference of the groundwater amphipod Niphargus longicaudatus (Cos			Yes	110							
onnan, Kate J.; Williams, En		The effectiveness of heat preparation and alleviation strategies for cognitive performance: A syste			Yes								
iller, Matthew; Leabeater, A		Fundamentals or Icing on Top of the Cake? A Narrative Review of Recovery Strategies and Device			Yes								
, Peibo; Wang, Jun; Zhan, Y		Asymmetric Multienergy-Coupled Radiative Warming Textiles for Personal Thermal-Moisture Ma			Yes								
fani, H.; Ghorbani, G. R.; H		Effects of complete substitution of dietary grain and protein sources with by-products on the produ			Yes								
voreto, Michael Willian; de		Various ways of pre-heating a bulk-fill thermoviscous composite in restoration in non-carious cere-			Yes								
nemor, Stephen P.; Driller, N	2023	Heating Up to Keep Cool: Benefits and Persistence of a Practical Heat Acclimation Protocol in El	-			No							
ackowiak, Bruno; Van den E		First validation of a model-based hepatic percutaneous microwave ablation planning on a clinical		Exclude	Yes								
ansson, Amanda; Björklund	2023	Older adults' occupations in heat waves: A scoping review.	Scandinavian journal of o	Exclude	Yes								
mimoto, Kanaru; Okada, Sh	2023	Noncontact Evaluation Method for Autonomic Nervous System Activity during Exercise Using R	Annual International Cont	Exclude	Yes								
agnon, Daniel; Barry, Hadiat	2023	A dataset of proteomic changes during human heat stress and heat acclimation.	Scientific data	Exclude	Yes								
alan-Lopez, Natalia; Esh, Ch	2023	Heat Preparation and Knowledge at the World Athletics Race Walking Team Championships Muse	International journal of sp	Exclude		No							
rcia, Christian K.; Gambino		Delayed metabolic disturbances in the myocardium after exertional heat stroke: contrasting effects	Journal of applied physiol	Exclude	Yes								
oods, Paul S. R.; Maloney, P		Concurrent validity of the CORE wearable sensor with BodyCap temperature pill to assess core be		Exclude	Yes								
raby, John; Khavandi, Ali; G				Exclude	Yes								
ündoğdu, B.; Nouri, A. Santo		Investigating the impacts of shaded outdoor spaces on thermal adaptation and cognitive performan			Yes								
tchi, Vanessa; Guillot, Aym			International journal of en		Yes								
ealy, James P.; Danesh Yazdi			Environmental health pers		Yes								
atherly, Alexander J.; Caput		Heat Acclimation Knowledge among Recreational Runners.	Sports (Basel, Switzerland			No							
organ, Barry G.; Tee, Nicolir orowitz, Michal; Hasin, Yon		Acute Performance, Daily Well-Being, and Hormone Responses to Water Immersion After Resista	-		Vac	Yes	Yes	Yes	Yes	Yes	No		
prowitz, Michal; Hasin, Yon prowitz, Michal; Kopeliovic		Vascular compliance and left ventricular compliance cross talk: Implications for using long-term l Identification of global transcriptional variations in human peripheral blood mononuclear cells tw			Yes								
oughton, Michael J.; Snipe, I.		Plasma measurements of the dual sugar test reveal carbohydrate immediately alleviates intestinal			Yes Yes								
eland, Andrew; Johnston, Da		Heat and worker health.	Journal of health economi		Yes								
ing, Xiaoyan; Yang, Muyue;		A Photo-Activated Thermoelectric Catalyst for Ferroptosis-/Pyroptosis-Boosted Tumor Nanothera			Yes								
maruddin, Harris Kamal; Fr		Carbohydrate mouth rinse is no more effective than placebo on running endurance of dehydrated a			Yes								
, Deng; Takahashi, Kiyoshi		Effects of heatwave features on machine-learning-based heat-related ambulance calls prediction n			Yes								
lly, Monica K.; Bowe, Stev		Heat Adaptation for Females: A Systematic Review and Meta-Analysis of Physiological Adaptation				No							
n, Hojoong; Yoo, Young Jir		Outdoor Worker Stress Monitoring Electronics with Nanofabric Radiative Cooler-Based Thermal			Yes	1							
dlow, Peter; Holdsworth, D		Exercise tolerance, fatigue, mental health, and employment status at 5 and 12 months following C			Yes								
londe, Chloe S.; Switchenke	2023	Shifting Sociodemographic Characteristics of a Phase I Clinical Trial Population at an NCI-Design	The oncologist	Exclude	Yes								
nghorst, Andrea; Langhorst	2023	[Integrative medicine, naturopathic and complementary medicine in the treatment of fibromyalgia	Schmerz (Berlin, German	Exclude	Yes								
e, Jason K. W.; Tan, Beverly	2023	Biomarkers for warfighter safety and performance in hot and cold environments.	Journal of science and me	Exclude	Yes								
ei, Leqi; Shi, Shuo; Wang, D	2023	Recent Advances in Thermoregulatory Clothing: Materials, Mechanisms, and Perspectives.	ACS nano	Exclude	Yes								
, Xin; Xv, Fan; Ma, Li-Zhen		Acquired heat acclimation in rats subjected to physical exercise under environmental heat stress a	Brain research	Exclude		Yes	Yes	Yes	Yes	No	No		
u, Yafei; Feng, Huixia; Gui,	2023	Flexible Stretchable, Dry-Resistant MXene Nanocomposite Conductive Hydrogel for Human Mot	Polymers	Exclude	Yes								
, Hanzi; Aratake, Shun; Nai	2023	Development of a Core Body Thermometer Applicable for High-Temperature Environment Based	Sensors (Basel, Switzerlan	Exclude	Yes								

Supplemental I	riie 4a - C	haracteristics of excluded studies - Studies excluded by TS	Number included =	14	of	2399							
												erformance, VO2max, economy/efficiency, re temp, and thermal comfort during exerci	
				Decision	Reason(s) for it	nclusion/exclus	ion:			i nysiology during ca	treat inte, swear inte, co	ic temp, and thermal control during exerci	No.
Author	Year	Title Jou	ırnal	Include or exclude?	Irrelevant / off-topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
undby, Carsten; Hamai	arsland, 2023	Hematological, skeletal muscle fiber, and exercise performance adaptations to heat training in elit Jour	rnal of applied physiole	Exclude		Yes	Yes	Yes	Yes	Yes	No		
Malta, Elvis Souza; Lop		Repeated cold-water immersion improves autonomic cardiac modulation following five sessions (Euro			Yes								
Manning, Ciara N.; Ben	niamin. 2023	Environmental Stress Symptoms during Heat Acclimatization, Heat Acclimation, and Intermittent Inte				No							
Marchant, Erik D.; Nels			rnational journal of hy			Yes	Yes	Yes	Yes	Yes	No		
Matias, Alexs A.; Albin,		Impact of high intensity interval exercise with and without heat stress on cardiovascular and aerot BM			Yes								
Mornas, Adèle: Brocher			dicine and science in sp		100	Yes	Yes	Yes	Yes	Yes	No		
Niclou, Alexandra; Sarn	.,	To the extreme! How biological anthropology can inform exercise physiology in extreme environ Con			Yes	1 03	103	1 03	1 03	1 C3	110		
Northway, Sarah; Jones,		Sensitivity and specificity of using exercise heart rate in a thermoneutral environment to predict h Inte			Yes								
Notley, Sean R.; Mitche	-	A century of exercise physiology: concepts that ignited the study of human thermoregulation. Part Euro			Yes								
Numata, Urara; Yanaoka		Effects of ice slurry ingestion on body temperature and softball pitching performance in a hot env Jour			Yes								
O'Connell, Cameron T.;		Cardiorespiratory and autonomic adjustments to exercise with healthy ageing: considerations with The			Yes								
Podversich, Federico; Ta		Effects of Aspergillus oryzae prebiotic on animal performance, nutrients digestibility, and feeding Jour			Yes								
Ramírez-Calero, S.; Pau		Neuromolecular responses in disrupted mutualistic cleaning interactions under future environmen BM		Exclude	Yes								
Rastogi, Deeksha; Chris		Exploring the Spatial Patterning of Sociodemographic Disparities in Extreme Heat Exposure at M Geo		Exclude	Yes								
Rawal, Atul; Kidchob, C		A machine learning approach for identifying variables associated with risk of developing neutraliz Heli			Yes								
		0.11		Exclude									
Rentería, Liliana I.; Zhe	0.		rnal of applied physiol		Yes								
Rhoads, M. L.	2023		mal : an international j		Yes								
Roxburgh, Brendon H.;		Acute and adaptive cardiovascular and metabolic effects of passive heat therapy or high-intensity Phy		Exclude	Yes								
Saidi, Alireza; Gauvin, C			rnal of thermal biology		Yes								
Steward, Charles J.; Mer		The effect of age and mitigation strategies during hot water immersion on orthostatic intolerance a Exp			Yes								
Sumi, Daichi; Nagatsuk		The Impact of Heat Acclimation on Gastrointestinal Function following Endurance Exercise in a I Nutr		Exclude		Yes	Yes	Yes	Yes	Yes	No		
Tan, Xiang Ren; Stepher		Elevated brain temperature under severe heat exposure impairs cortical motor activity and executi Jour			Yes								
Tian, Yuan; Florenciano		Facile Fabrication of Flexible and High-Performing Thermoelectrics by Direct Laser Printing on I Adv			Yes								
Toro-Román, Víctor; Pri		Effects of High Temperature Exposure on the Wingate Test Performance in Male University Stude Inte			Yes								
Towlson, Chris; Watson,		7.1 1.1 1.1		Exclude	Yes								
Ware-Gilmore, Fhallon;		Assessing the role of family level variation and heat shock gene expression in the thermal stress rephil			Yes								
Western, Max J.; Welsh,	, Toma 2023	Exercise snacking to improve physical function in pre-frail older adult memory clinic patients: a 2 BM		Exclude	Yes								
Willmott, A. G. B.; Jame	nes, C. 2023	The reliability of a portable steam sauna pod for the whole-body passive heating of humans.	rnal of thermal biology	Exclude	Yes								
Xiao, Yu; Zhang, Yuanlo	ong; Q 2023	Miniaturized Flexible Non-Contact Interface Based on Heat Shrinkage Technology.	all methods	Exclude	Yes								
Yang, Rui; Cao, Jing; Sp	peakm; 2023	Limits to sustained energy intake. XXXIII. Thyroid hormones play important roles in milk produc	Journal of experiment	Exclude	Yes								
Yoshimura, Miho; Naka	amura, 2023	Effect of CO(2) and H(2) gas mixture in cold water immersion on recovery after eccentric loading Heli	iyon	Exclude	Yes								
Zahed, Md Abu; Kim, D	Dong K 2023	Microfluidic-Integrated Multimodal Wearable Hybrid Patch for Wireless and Continuous Physiol ACS	S sensors	Exclude	Yes								
Zeng, Lingjun; Gao, Gu	uanghu 2023	Stretchable Organohydrogel with Adhesion, Self-Healing, and Environment-Tolerance for Wearat ACS	S applied materials & i	Exclude	Yes								
Zhai, Piyong; Liu, Hao;	Zhang 2023	Correlation analysis between sleep quality and the mental health status of female sex workers dur Fron	ntiers in endocrinology	Exclude	Yes								
Zhang, Liang; Zhang, Yi	/u-Yanį 2023	Evaluation of species thermal sensitivity with individual-based physiological performance. Man	rine environmental rese	Exclude	Yes								
Zhang, Yangchang; Sun,	n, Feng 2023	Ambient temperature and major structural anomalies: A retrospective study of over 2 million new The	Science of the total en	Exclude	Yes								
Zhang, Yingqi; Gantt, Sl	Shelby 2023	Performance of Orbicella faveolata larval cohorts does not align with previously observed therma Glo	bal change biology	Exclude	Yes								
Berger, Nicolas J. A.; Be	lest, Ru 2024	Limits of Ultra: Towards an Interdisciplinary Understanding of Ultra-Endurance Running Perform Spo	rts medicine (Auckland	Exclude	Yes								
Emery, A.; Moore, S.; C	Crowe, 2024	The effects of short-term, progressive exercise training on disease activity in smouldering multiple BM	C cancer	Exclude	Yes								
Girard, Olivier; Peeling,	, Peter 2024	Combining Heat and Altitude Training to Enhance Temperate, Sea-Level Performance. Inte	rnational journal of spe	Exclude		No					No		
Monteiro Dos Santos, D		Twenty-first-century demographic and social inequalities of heat-related deaths in Brazilian urban Plos		Exclude	Yes								
Murray, Kevin O.; Brant		Exertional heat stroke causes long-term skeletal muscle epigenetic reprogramming, altered gene e Am			Yes								
Notley, Sean R.; Mitche		A century of exercise physiology: concepts that ignited the study of human thermoregulation. Part Euro			Yes								
Sautillet, Benoît; Bourdi		Hot water immersion: Maintaining core body temperature above 38.5°C mitigates muscle fatigue. Scar	. ,			Yes	Yes	Yes	Yes	Yes	No		
Schroeder, Helena Trevi		Resolution of Inflammation in Chronic Disease via Restoration of the Heat Shock Response (HSF Cell	-		Yes		- 00	- 20	- 60	- 50			
Souilla, Luc; Amedro, P			iatric exercise science		Yes								
Wan, Feiyan; Wang, Hu		Bromine Substitution Improves the Photothermal Performance of π-Conjugated Phototheranostic Che			Yes								

										eent : 1 1 :	nor to the same of the property of the propert		or lactate threshold.
				Dogicion	Paggan(g) for	r inclusion/exclus	ion:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exerci-	se.
uthor	Year	Title	Journal	Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
A. Nelson; W. B. She	lley; e 1948	The influence of clothing, work, and air movement on the thermal exchanges of acclimatized men	J Clin Invest	Exclude	-	-	-	-	-	-	No	-	-
Krauss	1953	[Possibilities and limitations of the sauna in exercise therapy of cardiovascular diseases]	Arch Phys Ther (Leipz)	Exclude	-	-	No	-	-	-	-	-	-
R. Buskirk; P. F. Iamp	pietro; 1958	Work performance after dehydration: effects of physical conditioning and heat acclimatization	J Appl Physiol	Exclude	-	-	-	-	-	-	-	No	-
W. Meagher	1963	POST-TRAUMATIC VASOSPASM OF THE HAND	Med Trial Tech Q	Exclude	Yes	-	-	-	-	-	-	-	-
Miettinen; E. Karvin			J Sports Med Phys Fitnes	S -	-	-	-	-	-	-	-	-	-
H. Nahum	1963		Conn Med	-	-	-	-	-	-	-	-	-	-
B. Strydom; C. H. W		-	Fed Proc	Exclude	-	No	-	-	-	-	-	-	-
Bedrak; G. Beer; K. I			J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
A. Bradbury; R. H. Fo	,		J Physiol	Exclude	-	-	-	-	-	-	No	-	-
Fornoza	1964	MODIFICATIONS OF THE HEMOGRAMME IN SWIMMERS AND GYMNASTS BY PHYSI		s Exclude	Yes	-	-	-	-	-	-	-	-
E. Greenleaf	1964		Nature	-	-	-	-	-	-	-	-	-	-
J. Joy; R. H. Poe; T. F	R. Day 1964	THE EFFECT OF PRIOR HEAT ACCLIMATIZATION UPON MILITARY PERFORMANCE IN AFROBIC AND ANAFROBIC WORK CAPACITY AFTER DEHYDRATION		Franks 1	-	-	-	-	-	-	- N.	-	-
Saltin Saltin	1964 1964	AEROBIC AND ANAEROBIC WORK CAPACITY AFTER DEHYDRATION CIRCULATORY RESPONSE TO SUBMAXIMAL AND MAXIMAL EXERCISE AFTER THEF	J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Saltin	1964			Exclude	-	-	-	-	-	-	No	•	-
H. Wyndham; R. K. N		AEROBIC WORK CAPACITY AND CIRCULATION AT EXERCISE IN MAN. WITH SPECIA REACTIONS TO HEAT OF ABORIGINES AND CAUCASIANS	J Appl Physiol	Exclude	-	-	-	-	-	-	No No	-	-
H. Wyndham; B. Met			J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
H. Wyndham; N. B. S			J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
H. Wyndham; N. B. S		HEAT REACTIONS OF CAUCASIANS IN TEMPERATE, IN HOT, DRY, AND IN HOT, HUM		Exclude	-	-	-	-	-	-	No	-	-
. Greenleaf; F. Sarge			J Appl Physiol	Exclude	Yes		-	-		-	-	-	
. Wing	1965	Upper thermal tolerance limits for unimpaired mental performance	Aerosp Med	Exclude	-						No		
V. Garden	1966		J Appl Physiol	Exclude	-	-	-	-	-	_	No	-	-
eter; C. H. Wyndham		Activity of the human eccrine sweat gland during exercise in a hot humid environment before and	** /	Exclude	-	-	-	-	-	-	No	_	-
J. Ward; E. J. Powell;			J Psychol	Exclude	-	-	-	-	-	-	No		-
J. Marx; L. B. Rowel			J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Robinson	1967		Can Med Assoc J	Exclude	-	No	-	-	-	-	-	-	-
A. Downey; R. C. Dar	ling; J 1968	The effects, of heat, cold, and exercise on the peripheral circulation	Arch Phys Med Rehabil	Exclude	-	-	-	-	-	-	No	-	-
P. Colquhoun	1969	Effects of raised ambient temperature and event rate on vigilance performance	Aerosp Med	Exclude	-	-	-	-	-	-	No	-	-
Deroanne; F. Pirnay;	J. M. 11969	[Measurements of central temperature during muscular exercise carried out in a hot environment]	Int Z Angew Physiol	Exclude	-	-	No	-	-	-	-		-
G. Edholm	1969	The effect of heat on acclimatized and unacclimatized groups of very fit men	Proc R Soc Med	Exclude	-	-	-	-	-	-	No	-	-
J. Gold; A. Zornitzer;	S. Sa 1969	Influence of season and heat on energy expenditure during rest and exercise	J Appl Physiol	Exclude	-	No	-	-	-	-	-	-	-
E. Greenleaf; J. S. Bos	sco 1969	Orthostatic intolerance after artificial heat acclimatization in physically fit subjects	Nature	Exclude	-	-	-	-	-	-	No	-	-
K. Mathews; E. L. Fo	ox; D. 1969	Physiological responses during exercise and recovery in a football uniform	J Appl Physiol	Exclude	-	No	-	-	-	-	-	-	-
W. Schrier; J. Hano; I		Renal, metabolic, and circulatory responses to heat and exercise. Studies in military recruits during		Exclude	-	-	-	-	-	-	No	-	-
C. Senay, Jr.	1970	Movement of water, protein and crystalloids between vascular and extra-vascular compartments in		Exclude	-	-	-	-	-	-	No	-	-
T. Davies; C. Barnes;		Body temperature in exercise. Effects of acclimatisation to heat and habituation to work	Int Z Angew Physiol	-	-	-	-	-	-	-	-	-	-
Baumgartl; E. Knapp;		[The effect of sauna on haemodynamics and myocardial performance]	Munch Med Wochenschr	Exclude	-	-	No	-	-	-	-	-	-
Ghaem; J. M. Verpilla		[Reaction of the cutaneous circulation to muscular exercise at a high ambient temperature in non-		Exclude	-	-	No	-	-	-	-	-	-
Luusinen; M. Heinone		* * * *	J Appl Psychol	Exclude	-	-	-	-	-	-	No	-	-
Marcus C. Senay, Jr.	1972 1972		J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
aggart; P. Parkinson;		Changes in plasma volume and protein content during exposures of working men to various temporarile Cardiac responses to thermal, physical, and emotional stress	Br Med J	Exclude Exclude	-	-	-	-	-	No	No	-	-
aggart, P. Parkinson, L. Drinkwater	M. C. 1972		Exerc Sport Sci Rev		-	-	-	-	-	No	- No	-	-
L. Drinkwater G. Edholm; R. H. For		,	Arch Sci Physiol (Paris)	Exclude Exclude	Yes		-	-	-		No		-
F. Grether	1973		Aerosp Med	Exclude	1 CS						- No	-	-
D. Noakes	1973		S Afr Med J	Exclude	+:	No	1	1.		T.	-		-
H. Wyndham	1973		Annu Rev Physiol	Exclude	-	No	-	-	-	_	_	_	_
J. Dordel	1974	The effects of a 14-day physical training program within the framework of a rehabilitation course		Exclude	-	-	No	-	-	_	_	_	_
V. Gisolfi; J. R. Copp		Thermal effects of prolonged treadmill exercise in the heat	Med Sci Sports	Exclude	-	-	-	-	-	-	No	_	-
t. Greenleaf; J. S. Bos		1 1	Aerosp Med	Exclude	-	-	-	-	-	-	No	-	-
R. Nadel; K. B. Pando		7 7	J Appl Physiol	Exclude	-	No	-	-	-	-	-	_	-
Nielsen	1974		Acta Physiol Scand	Exclude	Yes	-	-	-	-	-	-	_	-
B. Pandolf; R. R. Gor			Aerosp Med	Exclude	- "	-	-	-	-	-	No	_	-
B. Pandolf; E. Kamor			Life Sci	Exclude	-	-	-	-	-	-	No	-	-
L. Wells; S. M. Horva	ath 1974		Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
P. Wyon	1974		Ergonomics	Exclude	-	-	-	-	1-	-	No	-	1-

												erformance, VO2max, economy/efficiency, o	
				Danisian	D(-) f	- :1:/1				**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	ore temp, and thermal comfort during exercise	e.
xuthor Ye	ear	Title	Journal	Include or exclude?		r inclusion/exclus ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
C. Adams; R. H. Fox; A. J. 19	75	Thermoregulation during marathon running in cool, moderate, and hot environments	J Appl Physiol	Exclude	-	-	-	_	-	-	No	-	-
f. Agarkov; A. S. Pavlov 19			Kosm Biol Aviakosm Me		-	No	-	-	-	-			-
M. Davis; A. D. Baddeley; 19	75		Undersea Biomed Res	Exclude	Yes	-	-	-	-	-	-	-	-
Γ. Fein; E. M. Haymes; E. R 19	75	Effects of daily and intermittent exposures on heat acclimation of women	Int J Biometeorol	Exclude	-	-	-	-	-	-	No	-	-
Kamon 19	75	Ergonomics of heat and cold	Tex Rep Biol Med	Exclude	Yes	-	-	-	-	-	-	-	-
F. O'Donnell, Jr. 19	75	Acute heat stroke. Epidemiologic, biochemical, renal, and coagulation studies	Jama	Exclude	-	No	-	-	-	-	-	-	-
D. Ramsey; D. Dayal; B. Gl 19	75	Heat stress limits for the sedentary worker	Am Ind Hyg Assoc J	Exclude	-	No	-	-	-	-	-	-	-
C. Senay, Jr. 19	75		J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
C. Senay, Jr.; S. Fortney 19	75	Untrained females: effects of submaximal exercise and heat on body fluids	J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Shvartz; N. B. Strydom; H. 19		Orthostatism and heat acclimation	J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Baum; K. Brück; H. P. Schv 19			J Appl Physiol	Exclude	-	No	-	-	-	-	-	-	-
M. Bonner; M. H. Harrison 19		·	J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
J. Collins; R. J. Brotherhoo 19		Physiological performance and work capacity of Sudanese cane cutters with Schistosoma manson		Exclude	Yes	-	-	-	-	-	-	-	-
E. Cooper; S. Martin; P. Ril 19			J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
. H. Harrison; R. J. Edwards 19			Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
W. Hubbard; W. T. Matthey 19			Am J Physiol	Exclude	-	No	-	-	-	-	-	-	-
Kamon 19		Acclimation processes by daily exercise stints at temperate conditions followed by short heat expo			-	-	-	-	-	-	-	-	-
P. Martineaud; J. Raynaud; 119		[Hand blood flow at rest and during submaximal exercise in acute and chronic heat stress (author)		Exclude	-	-	No	-	-	-	-	-	-
Meister 19			Z Psychol Z Angew Psyc		-	-	No	-	-	-	-	-	-
Mitchell; L. C. Senay; C. H 19 Raynaud; J. P. Martineaud; (19		Acclimatization in a hot, humid environment: energy exchange, body temperature, and sweating	Int J Biometeorol	Exclude	-	- N.	-	-	-	-	No	-	-
C. Senay; D. Mitchell; C. H 19		,	J Appl Physiol	Exclude Exclude	-	No	-	-	-	-	- No	-	-
Shibolet; M. C. Lancaster; \19			Aviat Space Environ Med		-	No	-	-	-	-	INO	-	-
H. Wyndham; G. G. Rogers 19			J Appl Physiol	Exclude	-	INO	-	-	-	-	No	-	-
R. Buskirk 19			Exerc Sport Sci Rev	Exclude	-	No	-	-		-	-	-	-
Francesconi: J. Maher: G. F 19		Recurrent heat exposure: effects on levels of plasma and urinary sodium and potassium in resting			-	-	-			-	No	-	
P. Francesconi; J. T. Maher; 19	77		J Appl Physiol Respir En		-	-	-	-	-	-	No		-
Henane; R. Flandrois; J. P. 19			J Appl Physiol Respir En		Yes	-	-	-	-	-			-
E. Herman; M. H. Stroud; V19	77		Arch Otolaryngol	Exclude	Yes	-	-	-	-	-	-		-
. Irondelle; H. Freund 19	77	Carbohydrate and fat metabolism of unacclimatized men during and after submaximal exercise in	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
V. Kuhlemeier; J. M. Millei 19	77	Determinants of the prescriptive zone of industrial workers	J Appl Physiol Respir En	Exclude	Yes	-	-	-	-	-	-	-	-
Mairiaux; W. Nullens; R. Fe 19	77	[Evaluation of the effects of cooling clothes on the adaptation to prolonged exertion in high temper	Rev Inst Hyg Mines (Has	s Exclude	-	-	No	-	-	-	-	-	-
Ohira; A. Ito; S. Ikawa 19	77	Hemoconcentration during isotonic handgrip exercise	J Appl Physiol Respir En	Exclude	Yes	-	-	-	-	-	-	-	-
B. Pandolf; R. L. Burse; R. 19	77	Role of physical fitness in heat acclimatisation, decay and reinduction	Ergonomics	Exclude	-	No	-	-	-	-	-	-	-
. F. Roberts; C. B. Wenger; J 19		Skin blood flow and sweating changes following exercise training and heat acclimation	J Appl Physiol Respir En	Exclude	-	-	-	-	-	-	No	-	-
J. S'Jongers; P. Vogelaere; J. 19		[Development of various physiological variables during sauna in a moderately trained male popul	Schweiz Z Sportmed	Exclude	-	-	No	-	-	-	-	-	-
	77	-	J Appl Physiol Respir En		-	-	-	-	-	-	No	-	-
Shvartz; Z. Glick; A. Maga: 19			Aviat Space Environ Med		Yes	-	-	-	-	-	-	-	-
Shvartz; A. Meroz; A. Mag: 19			Aviat Space Environ Med		Yes	-	-	-	-	-	-	-	-
Shvartz; Y. Shapiro; A. Mag 19			J Appl Physiol Respir En		-	-	-	-	-	-	•	•	-
Shvartz; S. Shibolet; A. Me 19			J Appl Physiol Respir En		-	-	-	-	-	-	No	-	-
A. Stolwijk 19			Fed Proc	Exclude	-	No	-	-	-	-	-	-	-
G. Wenzel; R. Ilmarinen 19		Effects of environmental heart on performance and some physiological responses of a man during		Exclude	-	No	-	-	-	-	No	-	-
de Techtermann; E. Jéquier 19 Engel; G. Hildebrandt; A. P 19		[Calorimetric study of the effect of salicylate in man during heat exposure and exercise (author's t [Studies on thermoregulative performance of disabled persons with congenital maldevelopment of		Exclude	-	No	- N.	-	-	-	-	-	-
-				Exclude	-	No.	No	-	-	-	-	-	-
R. Gonzalez; L. G. Berglun 19 W. Lane; J. J. Cerda 19			J Appl Physiol Respir En		-	No No	-	-	-	-	-	-	-
	78		J Am Diet Assoc J Hum Ergol (Tokyo)	Exclude Exclude		No No	-	-		-	-	-	-
A. Nunneley 19		•	Med Sci Sports	Exclude	1	No	-	1	-	1	1	1	
Pribil; J. Matousek 19		[The effect of periodical sauna bath on certain signs of the neurovegetative system and physical fi		Exclude		-	No	-	-	-	-	-	-
C. Senay, Jr. 19			J Appl Physiol Respir En		1	-[-	-	1	1.	-	No	-	_
Shvartz; Y. Shapiro; H. Birr 19			Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
Vuori; M. Mäkäräinen; A. Jä 19			Cardiology	Exclude	Yes	-	-	-	-	-	-	-	-
L. Drinkwater; S. M. Horva 19			Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
M. Fortney; L. C. Senay, Jr. 19	79		J Appl Physiol Respir En		-	-	-	-	-	-	No	-	-
	79	Relationships among training, heat acclimation, and heat tolerance in men and women: the control		Exclude	_	No	_	_	1_	1_	_	1_	_

												erformance, VO2max, economy/efficiency,	
				D · · ·	D ()0					**Physiology during ex	tercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
				Decision		r inclusion/exclus							
uthor	Year	Title	Journal	Include or exclude?	Irrelevant / of topic?	ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measurin endurance exercise performance/capaci or physiology during exercise**?
E. Greenleaf; V. A. O		Plasma volume during stress in man: osmolality and red cell volume	J Appl Physiol Respir Env		Yes	-	-	-	-	-	-	-	-
L. Jooste; J. M. Wol		Epileptic-type convulsions and magnesium deficiency	Aviat Space Environ Med	Exclude	Yes	-	-	-	-	-	-	-	-
G. McMurray; S. M	1. Horva 1979	Thermoregulation in swimmers and runners	J Appl Physiol Respir Env	Exclude	-	No	-	-	-	-	-	-	-
P. Mikhaĭlov	1979	[Occupational hygiene in work in insulating clothing]	Voen Med Zh	Exclude	-	-	No	-	-	-	-	-	-
R. Nadel	1979	Control of sweating rate while exercising in the heat	Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
B. Pandolf	1979	Effects of physical training and cardiorespiratory physical fitness on exercise-heat tolerance: rece	Med Sci Sports	Exclude	-	No	-	-	-	-	-	-	-
. F. Roberts; C. B. W	Venger 1979	Control of skin circulation during exercise and heat stress	Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
C. Senay, Jr.	1979	Effects of exercise in the heat on body fluid distribution	Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
Shvartz; A. Bhattacl	harya; S 1979	Deconditioning-induced exercise responses as influenced by heat acclimation	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
A. Avellini; E. Kam	non; J. T. 1980	Physiological responses of physically fit men and women to acclimation to humid heat	J Appl Physiol Respir Env	Exclude	-	-	-	-	No	-	-	-	-
Bar-Or; R. Dotan; C	O. Inbar 1980	Voluntary hypohydration in 10- to 12-year-old boys	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	No	-	-	-
A. Convertino; J. E.		Role of thermal and exercise factors in the mechanism of hypervolemia	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
A. Davis; P. L. Joos	ste 1980	Subcutaneous interstitial pressure in man and dogs exposed to heat and exercise stress	Eur J Appl Physiol Occup	Exclude	Yes	-	-	-	-	-	-	-	-
P. Dimri; M. S. Mal	ilhotra; J 1980	Alterations in aerobic-anaerobic proportions of metabolism during work in heat	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
J. Gaebelein; L. C.	Senay, J 1980	Influence of exercise type, hydration, and heat on plasma volume shifts in men	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
Gribetz; E. D. Richt	iter; M. I 1980	Heat stress exposure of aerial spray pilots	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
Illig; E. Paul; K. Br	rück; H. 1980	Experimental investigations on the trigger mechanism of the generalized type of heat and cold urt	Acta Derm Venereol	Exclude	-	No	-	-	-	-	-	-	-
Kobayashi; Y. Ando	o; N. Ok 1980	Effects of endurance training on thermoregulation in females	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
Kobayashi; Y. Ando	o; S. Tak 1980	Effects of heat acclimation of distance runners in a moderately hot environment	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
Liappis; E. Kochbe	eck; G. E 1980	[Amino acid losses in human sweat. Influence of oral contraceptives, physical exercise and sex or	n Arch Dermatol Res	Exclude	-	-	No	-	-	-	-	-	-
J. Luurila	1980	Arrhythmias and other cardiovascular responses during Finnish sauna and exercise testing in heal	Acta Med Scand Suppl	Exclude	-	No	-	-	-	-	-	-	-
M. Paolone; W. T. I	Lanigan; 1980	Effects of a postexercise sauna bath on ECG pattern and other physiologic variables	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
Turner; J. Pennefath	her; C. E 1980	Cardiovascular effects of hot water immersion (suicide soup)	Med J Aust	Exclude	-	No	-	-	-	-	-	-	-
L. Wells	1980	Responses of physically active and acclimatized men and women to exercise in a desert environm	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
L. Wells; S. H. Con	nstable; / 1980	Training and acclimatization: effects on responses to exercise in a desert environment	Aviat Space Environ Med		-	-	-	-	-	-	No	-	
Werner; T. Reents	1980	A contribution to the topography of temperature regulation in man	Eur J Appl Physiol Occup		-	No	-	-	-	-	-	-	
Bachmann; R. Zerz	zawy 1981			Exclude	Yes	-	-	-	-	-	-	-	-
Bonde-Petersen	1981	Cardiovascular reflexes during rest and exercise modified by gravitational stresses	Acta Astronaut	Exclude	Yes	-	-	-	-	-	-	-	-
T. Davies	1981	Effect of acclimatization to heat on the regulation of sweating during moderate and severe exercise	J Appl Physiol Respir Env	Exclude	-	No	-	-	-	-	-	-	
A. Davies; M. H. Ha	arrison; 11981	Effect of saline loading during heat acclimatization on adrenocortical hormone levels	J Appl Physiol Respir Env		Yes	-	-	-	-	-		-	
L. Fisher; D. W. Sm	nith 1981	Occipital encephalocele and early gestational hyperthermia	Pediatrics	Exclude	Yes	-	-	-	-	-	-	-	-
J. Frye; E. Kamon	1981	Responses to dry heat of men and women with similar aerobic capacities	J Appl Physiol Respir Env		-	-	-	-	-	-	No	-	
Graham	1981	Alcohol ingestion and man's ability to adapt to exercise in a cold environment		Exclude	Yes	-	-	-	-	-	-	-	
E. Greenleaf; D. Sci	iaraffa; I 1981	Exercise training hypotension: implications for plasma volume, renin, and vasopressin	J Appl Physiol Respir Env	Exclude	Yes	-	-	-	-	-		-	
H. Harrison; R. J. I		Blood volume and plasma protein responses to heat acclimatization in humans	J Appl Physiol Respir Env		-	No	-	_	-	-	_	_	-
Inbar; O. Bar-Or; R		Conditioning versus exercise in heat as methods for acclimatizing 8- to 10-yr-old boys to dry heat			-	-	-	-	-	No		-	
S. Malhotra; K. Sri	idharan; 1981	Effect of restricted potassium intake on its excretion and on physiological responses during heat s			-	-	-	-	-	-	No	-	
P. Mihal, Jr.	1981	Effect of heat stress on physiological factors for industrial workers performing routine work and w		Exclude	Yes	-	-	-	-	_	-		-
Ohira: R. N. Girand		Responses of leukocytes and other hematologic parameters to thermal dehydration	J Appl Physiol Respir Env		Yes	-	-	-	-	-	_	_	-
Shoenfeld; Z. Harar	ri: Y. Sh 1981	Cholinergic urticaria. A seasonal disease	Arch Intern Med	Exclude	Yes		-	_		_	_	-	_
Shvartz: V. A. Conv		Orthostatic fluid-electrolyte and endocrine responses in fainters and nonfainters	J Appl Physiol Respir Env		Yes	-	-	-	-	-	-	_	-
K. Sulimo-Samuĭllo	o: N. D. 1981	[Effect of the degree of physical training on human body resistance to high temperature exposure		Exclude			No					-	
van Beaumont; S. U			J Appl Physiol Respir Env				-				No	_	
A. Avellini; Y. Shap		Effects on heat tolerance of physical training in water and on land	J Appl Physiol Respir Env			-	-	-	_	_	No	-	_
J. Barter; P. M. Clar		The relationship of forearm flexion isometric strength, endurance, and fiber composition; and the		Exclude	-	1.	-	_	-	_	No	_	_
J. Frye; E. Kamon;		Responses of menstrual women, amenorrheal women, and men to exercise in a hot, dry environm			-	-	-	-	-	-	No	-	-
E. Greenleaf	1982	Dehydration-induced drinking in humans	Fed Proc	Exclude	Yes	-	-	-	-	-	-	-	-
H. Horstman; E. Ch		Acclimatization to dry heat: active men vs. active women	J Appl Physiol Respir Env		-	-	-	_	_	_	No	-	
W. Johnson	1982	Preventing heat stroke	Am Fam Physician	Exclude	Yes	-	-	_	-	_	-	_	_
Pearson; M. J. Mac		Diurnal and sequential grip functions in normal subjects and effects of temperature change and ex		Exclude	- I es		T.	i i	1	No	_	-	_
J. Searle	1982	Effects of the sauna	Jama	LACIUDE	L			-Li	1	-	_	_	-
Shapiro; Y. Shapiro		The effect of salt loading diet on the intraocular pressure	Acta Ophthalmol (Copenh	Evelude	Yes	-[-		i.	T.	-Li	_	_	_
Shapiro; K. B. Pand		Auxiliary cooling: comparison of air-cooled vs. water-cooled vests in hot-dry and hot-wet environ			1 05	-E	-	1	T.	-	No		-
M. Sheldahl; E. R. I		Effects of exercise in cool water on body weight loss	Int J Obes	Exclude	Yes	-		-	-		110	-	-
Verde; R. J. Shephai		Sweat composition in exercise and in heat	J Appl Physiol Respir Env		1 es	-	-	-	-	-	- No		-
	an Ouder 1983	The assessment of the post-thrombotic limb by foot volumetry and pedal venous pressure		Exclude	Yes		-	-	-	-	110	-	-

										"Performance/capacity	time trial, time to exhaustion, race pe	normance, vO2max, economy/emciency, o	r lactate threshold.
										**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
				Decision		r inclusion/exclus							
Luthor	Year	Title	Journal	Include or exclude?	Irrelevant / o topic?	off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
. L. Brengelmann	1983	Circulatory adjustments to exercise and heat stress	Annu Rev Physiol	Exclude	-	No	-	-	-	-	-	-	-
M. D. Curley; R. N. Hawkir		Cognitive performance during a heat acclimatization regimen	Aviat Space Environ Med	Exclude	Yes	-	-	-	-	-	-	-	-
N. Fellmann; G. Grizard; J.			J Appl Physiol Respir Env		-	-	-	-	-	-	No	-	-
R. P. Francesconi; M. N. Sa			J Appl Physiol Respir Env		-	-	-	-	-	-	No	-	-
. E. Greenleaf; P. J. Brock;			J Appl Physiol Respir Env		Yes	-	-	-	-	-	-	-	-
A. Hoffmann; M. Müller; H		[Are swimming and sauna hazardous in the rehabilitation of heart patients?]	Schweiz Med Wochensch		-	-	No	-	-	-	-	-	-
H. Kalant; A. D. Lê	1983	Effects of ethanol on thermoregulation	Pharmacol Ther	Exclude	Yes	-	-	-	-	-	-	-	-
R. Kubica; B. Nielsen; A. B		Relationship between plasma volume reduction and plasma electrolyte changes after prolonged bi		Exclude	-	-	-	-	-	-	No	-	-
G. N. Novozhilov; V. P. Kov		[Physiologo-medical evaluation of regimens of preliminary heat adaptation]	Voen Med Zh	Exclude	-	-	No	-	-	-	-	-	-
M. L. O'Toole; A. M. Paolor		The effects of heat acclimation on plasma volume and plasma protein of females	Int J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
K. Sato; F. Sato	1983	Individual variations in structure and function of human eccrine sweat gland	Am J Physiol	Exclude	Yes	-	-	-	-	-	- No	-	-
M. N. Sawka; R. W. Hubbar M. N. Sawka; K. B. Pandolf		Effects of acute plasma volume expansion on altering exercise-heat performance Does heat acclimation lower the rate of metabolism elicited by muscular exercise?	Eur J Appl Physiol Occup		-	-	-	-	-	-	No No	-	-
M. N. Sawka; K. B. Pandoli M. N. Sawka; M. M. Toner;	,,,,,,,,	•	Aviat Space Environ Med J Appl Physiol Respir Env		-	-	-	-	-	-	No No	-	-
V. M. Sharma; G. Pichan; N.		Differential effects of hot-humid and hot-dry environments on mental functions	Int Arch Occup Environ F		-	-	-	-	-	-	No	-	-
H. J. Winterfeld; D. Strangfi		[Effect of sauna and walking series on blood pressure, peripheral microcirculation and performan-		Exclude	-	-	No.	-	-	-	INO	-	-
A. B. Babaev; M. Charyev;		[Blood circulation in healthy inhabitants of the arid zone of Turkmenistan. Report 2. Use of control		Exclude			No						
J. R. Brotherhood	1984	Nutrition and sports performance	Sports Med	Exclude	Yes		-						
B. S. Cadarette; M. N. Sawl		Aerobic fitness and the hypohydration response to exercise-heat stress	Aviat Space Environ Med		-								
J. E. Caldwell; E. Ahonen; U		11 1	J Appl Physiol Respir Env		Yes								
E. Danforth, Jr.; A. Burger		The role of thyroid hormones in the control of energy expenditure		Exclude	Yes			_	-	_		_	
G. Dixon; P. Eurman; B. E.		Hypothalamic function in amenorrheic runners	Fertil Steril	Exclude	Yes	-	-	-	-	-		-	
R. P. Francesconi; M. N. Sa	wk 1984	Hypohydration and acclimation: effects on hormone responses to exercise/heat stress	Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
S. I. Gibbons; W. C. Adams	1984	Combined effects of ozone exposure and ambient heat on exercising females	J Appl Physiol Respir Env	Exclude	Yes	-	-	-	-	-	-	-	-
C. V. Gisolfi; C. B. Wenger	1984	Temperature regulation during exercise: old concepts, new ideas	Exerc Sport Sci Rev	Exclude	-	No	-	-	-	-	-	-	-
K. N. Kachanovskii	1984	[Effect of short-term thermal adaptation on indices of physical work capacity]	Fiziol Cheloveka	Exclude	-	-	No	-	-	-	-	-	-
M. A. Kolka; W. L. Holden;	R 1984	Heat exchange following atropine injection before and after heat acclimation	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
M. A. Kolka; L. Levine; B.	S. 1984	Effects of heat acclimation on atropine-impaired thermoregulation	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
A. T. Mar'ianovich; V. S. Ba	ılaı 1984	[Individual characteristics of the body's reactions to combined heat and physical loading]	Fiziol Cheloveka	Exclude	-	-	No	-	-	-	-	-	-
D. M. Orenstein; K. G. Hen	ke 1984	Heat acclimation in cystic fibrosis	J Appl Physiol Respir Env	Exclude	-	No	-	-	-	-	-	-	-
J. S. Petrofsky; C. A. Phillip	s 1984	The use of functional electrical stimulation for rehabilitation of spinal cord injured patients	Cent Nerv Syst Trauma	Exclude	Yes	-	-	-	-	-	-	-	-
J. M. Pivarnik; E. M. Leeds			J Appl Physiol Respir Env		Yes	-	-	-	-	-	-	-	-
M. N. Sawka; R. P. Frances	соі 1984	,	J Appl Physiol Respir Env	Exclude	-	-	-	-	-	-	No	-	-
M. N. Sawka; R. P. Frances			Jama	Exclude	-	No	-	-	-	-	-	-	-
M. N. Sawka; L. Levine; M		Effect of atropine on the exercise-heat performance of man	Fundam Appl Toxicol	Exclude	-	-	-	-	-	-	No	-	-
L. E. Armstrong; D. L. Cost		Effects of dietary sodium on body and muscle potassium content during heat acclimation	Eur J Appl Physiol Occup		Yes	-	-	-	-	-	-	-	-
S. M. Fortney; N. B. Vroma		Exercise, performance and temperature control: temperature regulation during exercise and implie	•	Exclude	-	No	-	-	-	-	•	-	-
R. P. Francesconi; M. N. Sa		Plasma hormonal responses at graded hypohydration levels during exercise-heat stress	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
C. J. Gaebelein; L. C. Senay		Changes in blood pressure, heart rate and blood constituents during heat exposure in men with ele			-	-	-	-	-	-	No	-	-
S. Gold; M. Cahani; H. Soh C. Goodman: I. Cohen: J. W.		Effects of body temperature elevation on auditory nerve-brain-stem evoked responses and EEGs in	S Afr Med I		Yes	-	-	-	-	-	-	-	-
J. Goodman; I. Cohen; J. W. J. E. Greenleaf; P. J. Brock;		The effect of water intake on body temperature during rugby matches Effects of exercise-heat acclimation on fluid, electrolyte, and endocrine responses during tilt and		Exclude	Yes	-	-	-	-	-	- No	-	-
M. H. Harrison	1985	Effects of exercise-neat acclimation on fluid, electrolyte, and endocrine responses during tilt and Effects on thermal stress and exercise on blood volume in humans	Physiol Rev		-	No.	-	-	-	-	INU	-	-
N. H. Harrison S. K. Hillman; G. Delforge		The use of physical agents in rehabilitation of athletic injuries	Clin Sports Med	Exclude Exclude	-	No No			-				-
R. Huch	1985	[Travel, sports and pregnancy]	Geburtshilfe Frauenheilko		-	- 100	No No				-		-
A. Ivanov Yu: L. A. Korolev		Heat acclimatization by controlled hypothermia	Hum Physiol	Exclude	Yes		- 140	1		T.	-	1.	-
M. Jauhiainen; M. Laitinen;		Lipids and apolipoproteins A-I, B and C-II and different rapid weight loss programs (weight lifter		Exclude	Yes		-	-	-	-	_	-	_
f. Katsuura; K. Nakano; Y.		Influence of native place on forearm blood flow at rest and during exercise in dry and humid heat		Exclude	-	_	-	-	-	-	No	_	_
W. L. Kenney	1985	A review of comparative responses of men and women to heat stress	Environ Res	Exclude	Yes	-	-	-	-	_	-	-	_
D. S. King; D. L. Costill; W			J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
G. Pichan; K. Sridharan; Y.		Physiological acclimatization to heat after a spell of cold conditioning in tropical subjects	Aviat Space Environ Med		-	-	-	-	-	-	No	-	_
M. N. Sawka; A. J. Young; I		Influence of heat stress and acclimation on maximal aerobic power	Eur J Appl Physiol Occup		-	-	-	-	-	-	No	-	-
M. N. Sawka; A. J. Young; I		·		Exclude	-	-	-	-	-	-	No	-	-
R. J. Shephard	1985	Adaptation to exercise in the cold	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
R. E. Sinclair	1985	Be serious about siriasis. Guidelines for avoiding heat injury during 'dog days'	Postgrad Med	Exclude	Yes	-	-	-	-	-	-	-	-
J. Smolander; P. Kolari	1985	Laser-Doppler and plethysmographic skin blood flow during exercise and during acute heat stress	-	Exclude	1-	_	-	-	1-	1_	No	_	

										##Dhysiology during	araica - DDE baart rata curact	e temp, and thermal comfort during exercis	or lactate threshold.
				Decision	Reason(s) for	inclusion/exclus	ion:			**Physiology during ex	ercise = KPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
author	Year	Title	Journal	Include or exclude?	Irrelevant / off topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
J. Young; M. N. Sawka; L	. 1985	Skeletal muscle metabolism during exercise is influenced by heat acclimation	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
F. Barkve; K. Langseth-Ma	ai 1986	Increased uptake of transdermal glyceryl trinitrate during physical exercise and during high ambie	Am Heart J	Exclude	-	-	-	-	-	-	No	-	-
M. Budd; A. L. Hendrie; S	S. 1986	Behavioural temperature regulation during a motor-toboggan traverse in Antarctica	Eur J Appl Physiol Occup	Exclude	Yes	-	-	-	-	-	-	-	-
S. Cadarette; L. Levine; P.		Effects of atropine on thermoregulatory responses to exercise in different environments	Aviat Space Environ Med	Exclude	Yes	-	-	-	-	-	-	-	-
. L. Costill	1986	Muscle metabolism and electrolyte balance during heat acclimation	Acta Physiol Scand Suppl	Exclude	-	No	-	-	-	-	-	-	-
Danon; S. Ben-Shimon; Z		Effect of exercise and heat exposure on percutaneous absorption of methyl salicylate	Eur J Clin Pharmacol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Eisenman	1986	Hot weather, exercise, old age, and the kidneys	Geriatrics	Exclude	Yes	-	-	-	-	-	-	-	-
Fujishima	1986		Int J Biometeorol	Exclude	-	-	-	-	-	-	No	-	-
H. Harrison	1986	Heat and exercise. Effects on blood volume	Sports Med	Exclude	-	No	-	-	-	-	•	-	-
Hessemer; A. Zeh; K. Brü		Effects of passive heat adaptation and moderate sweatless conditioning on responses to cold and l			-	-	-	-	-	-	No	-	-
	1986	Influence of profuse sweating on systolic time intervals	Br Heart J	Exclude	Yes	-	-	-	-	-	-	-	-
M. Johnson; G. L. Brengel		Regulation of the cutaneous circulation	Fed Proc	Exclude	-	No	-	-	-	-	- N.	-	-
L. Kenney; D. A. Lewis; l R. Kirby; V. A. Convertino		A simple exercise test for the prediction of relative heat tolerance Plasma aldosterone and sweat sodium concentrations after exercise and heat acclimation	Am Ind Hyg Assoc J J Appl Physiol (1985)	Exclude Exclude	-	-	-	-	-	-	No No	-	-
A. Kirsch; L. Röcker; H. v					- V	-	-	-	-	-		-	-
Konikoff; Y. Shoenfeld; A.		The cardiac filling pressure following exercise and thermal stress Effects of salt loading during exercise in a hot dry climate	Yale J Biol Med Biomed Pharmacother	Exclude Exclude	Yes	-	-	-	-	-	No No	-	-
P. Kozlovskii: E. A. Lusho		[Human tolerance for high-intensity contact heat exposure of the surface of the skin]	Kosm Biol Aviakosm Med		-	-	- No	-	-	-	NO	-	-
Leblanc	1986	Thermogenesis with relation to exercise and exercise-training		Exclude	-	No	140	-	-	-	•	-	-
A. Lewis: E. Kamon: J. L.		Physiological differences between genders. Implications for sports conditioning	Sports Med	Exclude	-	No	-		-	-	_		
B. Pandolf, L. A. Strosche		Prediction modeling of physiological responses and human performance in the heat	Comput Biol Med	Exclude	-	No	-		-	-	-		
M. Pivarnik; L. C. Senay, J		Effects of exercise detraining and deacclimation to the heat on plasma volume dynamics	Eur J Appl Physiol Occup			-					No		
Ratge; A. Gehrke; I. Melz		Free and conjugated catecholamines in human plasma during physical exercise	Clin Exp Pharmacol Phys		Yes			-	-	_	-	-	
C. Senay, Jr.	1986	An inquiry into the role of cardiac filling pressure in acclimatization to heat	Yale J Biol Med	Exclude	-	-	-	_	-	_	No	_	-
Smolander; P. Kolari; O. K		Aerobic and anaerobic responses to incremental exercise in a thermoneutral and a hot dry environ		Exclude	-	-	-	-	-	-	No		-
K. Anderson; W. L. Kenne	y 1987	Effect of age on heat-activated sweat gland density and flow during exercise in dry heat	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
E. Armstrong; D. L. Costil	11 1987	Changes in body water and electrolytes during heat acclimation: effects of dietary sodium	Aviat Space Environ Med		Yes	-	-	-	-	-	-	-	-
E. Armstrong; R. W. Hubb	a 1987	Heat acclimatization during summer running in the northeastern United States	Med Sci Sports Exerc	Exclude	-	No	-	-	-	-	-	-	-
E. Armstrong; R. W. Hubb	a 1987	Evaluation of a temperate environment test to predict heat tolerance	Eur J Appl Physiol Occup	Exclude	Yes	-	-	-	-	-	-	-	-
H. Bittel	1987	Heat debt as an index for cold adaptation in men	J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
A. Convertino	1987	Fluid shifts and hydration state: effects of long-term exercise	Can J Sport Sci	Exclude	-	No	-	-	-	-	-	-	-
R. Gonzalez	1987	Biophysical and physiological integration of proper clothing for exercise	Exerc Sport Sci Rev	Exclude	Yes	-	-	-	-	-	-	-	-
Grucza	1987	Water loss distribution in exercising men under hot conditions	Acta Physiol Pol	Exclude	-	-	-	-	-	-	No	-	-
E. Hart; J. R. Sutton	1987	Environmental considerations for exercise	Cardiol Clin	Exclude	-	No	-	-	-	-	-	-	-
Hjertén; K. Elenbring; F. k		Carrier-free zone electrophoresis, displacement electrophoresis and isoelectric focusing in a high-		Exclude	Yes	-	-	-	-	-	-	-	-
W. Hubbard; C. B. Matthe		Novel approaches to the pathophysiology of heatstroke: the energy depletion model	Ann Emerg Med	Exclude	-	No	-	-	-	-	-	-	-
L. Irion	1987	Responses of distance runners and sprinters to exercise in a hot environment		Exclude	-	-	-	-	-	-	No	-	-
P. Kirwan; D. L. Costill; H		Substrate utilization in leg muscle of men after heat acclimation	11 /	Exclude	-	-	-	-	-	-	No	-	-
Koban; H. Hornak; E. Sch		[Secretory performance of eccrine sweat glands from the nephrologic viewpoint]	Z Gesamte Inn Med	Exclude	-	-	No	-	-	-	-	-	-
J. Kraemer; L. E. Armstro D. Ramsey; C. H. Lee	n 1987 1987	Plasma opioid peptide responses during heat acclimation in humans	Peptides J Sports Med Phys Fitness	Exclude	-	-	-	-	-	-	No	-	-
Sirviö; J. Jolkkonen; A. Pit			Endocrinologie	Exclude	-	No	-	-	-	-	- No	-	-
Γ. Viitasalo; H. Kyröläinen		Adenohypophyseal hormone levels during hyperthermia Effects of rapid weight reduction on force production and vertical jumping height	Int J Sports Med	Exclude	Yes	-	-	-	-	-	INO	-	-
. viitasaio, 11. Kyroiainen	1988	Heatstroke and army training	Lancet	Exclude	Yes	No	-	-	No	-	-	-	-
J. Carpenter; S. A. Nunnel		Endogenous hormones subtly alter women's response to heat stress		Exclude	- I es	-	-		-	-	No		
J. Coté; W. E. Prentice, Jr.		Comparison of three treatment procedures for minimizing ankle sprain swelling	Phys Ther	Exclude	Yes		-	-	-	-	NO	-	-
T. Duncan; S. M. Horvath		Physiological adaptations to thermal stress in tropical Asians	Eur J Appl Physiol Occup		-	No	-	-	-	-			-
M. Gopinathan; G. Pichan;		Role of dehydration in heat stress-induced variations in mental performance	Arch Environ Health	Exclude	Yes	-	-	-	-	-	-	-	-
Kaufman; D. E. Mills; F		Effects of bromocriptine on sweat gland function during heat acclimatization	Horm Res	Exclude	-	-	-	-	-	-	No	-	-
L. Kenney; R. K. Anderso			Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
L. Kenney; S. R. Fowler		Methylcholine-activated eccrine sweat gland density and output as a function of age	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
J. Kraemer; L. E. Armstro		Responses of plasma human atrial natriuretic factor to high intensity submaximal exercise in the l	Eur J Appl Physiol Occup		-	-	-	-	-	-	No	-	1-
Lenz; M. Weiss; E. Werle;		Influence of exercise in water on hormonal, metabolic and adrenergic receptor changes in man	Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
P. Libert; C. Amoros; J. Di	1988	Thermoregulatory adjustments during continuous heat exposure	Eur J Appl Physiol Occup		-	-	-	-	-	-	No	-	-
Ogawa; N. Ohnishi; Y. Yar	n 1988	Effect of facial cooling during heat acclimation process on adaptive changes in sweating activity		Exclude	-	-	-	-	-	-	No	-	-
		Thermoregulatory responses of middle-aged and young men during dry-heat acclimation		Exclude		No							

											erformance, VO2max, economy/efficiency, or ore temp, and thermal comfort during exercise	
			Decision	Reason(s) for	r inclusion/exclus	ion:			**Physiology during ex	tercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
uthor Year	Title	Journal	Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measurin endurance exercise performance/capaci or physiology during exercise**?
Pichan; K. Sridharan; R. K. 1988	Physiological and metabolic responses to work in heat with graded hypohydration in tropical subj	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
M. Pivarnik; J. E. Wilkersor 1988	Recovery metabolism and thermoregulation of endurance trained and heat acclimatized men	J Sports Med Phys Fitness	S _	-	-	-	-	-	-	-	-	-
Rehunen 1988	The sauna and sports	Ann Clin Res	Exclude	-	No	-	-	-	-	-	-	-
N. Sawka; R. R. Gonzalez; 1988	Polycythemia and hydration: effects on thermoregulation and blood volume during exercise-heat		Exclude	-	-	-	-	-	-	No	-	-
C. Shearer 1988	Intestinal parasites in novice black miners. Prevalence and possible effect on heat acclimatization		Exclude	Yes	-	-	-	-	-	-	-	-
Urponen; I. Vuori; J. Hasan 1988	Self-evaluations of factors promoting and disturbing sleep: an epidemiological survey in Finland		Exclude	Yes	-	-	-	-	-	-	-	-
J. Winterfeld; H. Siewert; I 1988	[Use of walking and sauna therapy in the rehabilitation of hypertensive patients with ischemic hea		Exclude	-	-	No	-	-	-	-	-	-
E. Armstrong; R. P. Frances 1989	Plasma cortisol, renin, and aldosterone during an intense heat acclimation program	Int J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
E. Bunnell; S. M. Horvath 1989	Interactive effects of heat, physical work, and CO exposure on metabolism and cognitive task per			-	-	-	-	-	-	No	-	-
Dawson; F. S. Pyke; A. R. 11989 C. Gayhed: I. Holmér 1989	Improvements in heat tolerance induced by interval running training in the heat and in sweat cloth		Exclude	-	-	-	-	-	-	No	-	-
C. C	Thermoregulatory responses of firemen to exercise in the heat	Eur J Appl Physiol Occup		Yes	-	-	-	-	-	-	-	-
H. Kilburn; R. H. Warsaw; 1989 P. Knochel 1989	Neurobehavioral dysfunction in firemen exposed to polycholorinated biphenyls (PCBs): possible Heat stroke and related heat stress disorders	Dis Mon	Exclude	Yes	No.	-	-	-	-	-	-	-
P. Knocnei 1989 A. Kolka; L. A. Stephensor 1989	Control of sweating during the human menstrual cycle	Eur J Appl Physiol Occup	Exclude	-	No	-	-	-	-	- No	-	-
A. Kuz'menko 1989	[The effect of a sauna on the reactivity of the circulatory indices in an isometric load test]	Vopr Kurortol Fizioter Le		-	-	No	-	-	-	INO	-	-
D. Neufer; A. J. Young; M. 1989	Gastric emptying during exercise: effects of heat stress and hypohydration	Eur J Appl Physiol Occup		-		140	-		-	No	-	-
A. Nunneley 1989	Heat stress in protective clothing. Interactions among physical and physiological factors	Scand J Work Environ He			No				-	-	-	-
. L. O'Toole 1989	Gender differences in the cardiovascular response to exercise	Cardiovase Clin	Exclude	Yes	-						-	-
C. Pramanik: C. R. Mooma 1989	Identification of phenylthiocarbamyl amino acids for compositional analysis by thermospray liqu		Exclude	Yes								
N. Sawka; R. R. Gonzalez; 1989	Control of thermoregulatory sweating during exercise in the heat	Am J Physiol	Exclude	-	No	-	_	_			_	
N. Sawka; A. J. Young; R. 1989	Human intravascular immunoglobulin responses to exercise-heat and hypohydration	Aviat Space Environ Med		-	-	-	-	_	_	No	_	_
Zahorska-Markiewicz; M. I 1989	Circadian variations in psychophysiological responses to heat exposure and exercise	Eur J Appl Physiol Occup		-	-	-	-	-	-	No	-	-
E. Armstrong; J. P. De Luca 1990	Time course of recovery and heat acclimation ability of prior exertional heatstroke patients		Exclude	-	No	-	-	-	-	-	-	-
E. Armstrong; R. W. Hubba 1990	Evaluation of a temperate-environment test of heat tolerance in prior heatstroke patients and contri	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
V. Astrup; N. J. Christenser 1990	Effects of nutrient intake on sympathoadrenal activity and thermogenic mechanisms	J Neurosci Methods	Exclude	Yes	-	-	-	-	-	-	-	-
Delamarche; J. Bittel; J. R. 1990	Thermoregulation at rest and during exercise in prepubertal boys	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	No	-	-	-
Epstein; R. Arnon; D. Mora 1990	Effect of pyridostigmine on the exercise-heat response of man	Eur J Appl Physiol Occup		-	-	-	-	-	-	No	-	-
Garby 1990	Metabolic adaptation to decreases in energy intake due to changes in the energy cost of low energ	World Rev Nutr Diet	Exclude	Yes	-	-	-	-	-	-	-	-
M. Gershon; D. Vlahov; K. 1990	HIV infection risk to nonhealth-care workers	Am Ind Hyg Assoc J	Exclude	Yes	-	-	-	-	-	-	-	-
J. Green; L. L. Jones; D. C. 1990	Effects of short-term training on cardiac function during prolonged exercise	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Grucza 1990	Efficiency of thermoregulatory system in man under endogenous and exogenous heat loads	Acta Physiol Pol	Exclude	-	-	-	-	-	-	No	-	-
Havenith; H. van Middende 1990	The relative influence of physical fitness, acclimatization state, anthropometric measures and gen		Exclude	-	-	-	-	-	-	No	-	-
A. Houmard; D. L. Costill; J 1990	The influence of exercise intensity on heat acclimation in trained subjects		Exclude	-	-	-	-	-	-	No	-	-
S. Kapp; I. A. Petersen; R. 1990	Two or six hyperthermia treatments as an adjunct to radiation therapy yield similar tumor respons			Yes	-	-	-	-	-	-	-	-
L. Kobrick; R. F. Johnson; I 1990	Effects of atropine/2-PAM chloride, heat, and chemical protective clothing on visual performance			Yes	-	-	-	-	-	-	-	-
L. Kobrick; R. F. Johnson; I 1990	Effects of nerve agent antidote and heat exposure on soldier performance in the BDU and MOPP-		Exclude	Yes	-	-	-	-	-	-	-	-
G. McMurray; V. L. Katz 1990	Thermoregulation in pregnancy. Implications for exercise	Sports Med	Exclude	-	No	-	-	-	-	-	-	-
J. Rehrer; E. J. Beckers; F. 1990	Effects of dehydration on gastric emptying and gastrointestinal distress while running	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
P. Rodgers; A. N. Schechter 1990	Microcirculatory adaptations in sickle cell anemia: reactive hyperemia response	Am J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
L. Squire 1990 Waluga 1990	Heat illness. Fluid and electrolyte issues for pediatric and adolescent athletes	Pediatr Clin North Am Pol Arch Med Wewn	Exclude	Yes	-	- N.	-	-	-	-	-	-
E. Armstrong; C. M. Mares 1991	[Effect of physical exercise and heat on energy expenditure in obesity] The induction and decay of heat acclimatisation in trained athletes	Sports Med	Exclude Exclude	-	- No	No	-	-	-	-	-	-
J. Bloem: L. M. Goessens: I 1991				-	No	-	-	-	-	No.	-	-
J. Broem; L. M. Goessens; 1 1991 J. Braden 1991	Effects of order of presentation of exercise intensities and of sauna baths on perceived exertion du Patterns of change over time in learned response to chronic illness among participants in a system		Exclude	Yes	-	-	-			No		
Burlina: M. Plebani: S. Sec 1991	Precipitation method for separating and quantifying bone and liver alkaline phosphatase isoenzyn		Exclude	Yes		-	-	-	-	-		-
Cisse; F. Martineaud; J. P. N 1991	[Central temperature during chronic exposure to a warm climate]	Arch Int Physiol Biochim		1 05		No No	T.	1.	T.	-		
A. Convertino 1991	Blood volume: its adaptation to endurance training		Exclude	-	No	-	-	-	_	_	-	_
Doré; G. R. Brisson; A. Fou 1991	Contribution of hGH20K variant to blood hGH response in sauna and exercise	Eur J Appl Physiol Occup		-	-	-	-	-	_	No	-	-
. Gumener; L. M. Sukharev 1991	[Effect of radiating heat and physical exercise on adolescents]	Gig Sanit	Exclude	Yes	-	-	_	-	-	-	_	-
Hayes 1991	Diving and hypothermia	Arctic Med Res	Exclude	Yes	-	-	-	-	-	-	-	-
R. Jansen; R. Binard 1991	Effect of dietary protein and environmental factors on lactation performance in rats	Physiol Behav	Exclude	Yes	-	-	-	-	-	-	-	-
Just 1991	Peripheral adaptations in congestive heart failure: a review	Am J Med	Exclude	Yes	-	-	-	-	-	-	-	-
P. Kovalenko; V. V. Skornia 1991	[The physiological hygiene aspects of enhancing human heat resistance (a review of the literature	Voen Med Zh	Exclude	-	-	No	-	-	-	-	-	-
A. Kuzmenko; V. Balsamo; 1991	[Effects of sauna on the values of blood circulation studied by the isometric exercise test]	Clin Ter	Exclude	-	-	No	-	-	-	-	-	-
Levine; M. S. Rose; P. Fran 1991	Fluid replacement during sustained activity in the heat: nutrient solution vs. water	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
D. Neufer; M. N. Sawka; A. 1991	Hypohydration does not impair skeletal muscle glycogen resynthesis after exercise	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-

		haracteristics of excluded studies - Studies excluded by ML.								*Performance/caracity	= time trial time to exhaustion, race n	erformance, VO2max, economy/efficiency,	or lactate threshold
												re temp, and thermal comfort during exercis	
				Decision		r inclusion/exclus							
Author	Year	Title	Journal	Include or exclude?	Irrelevant / o topic?	ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
B. Pandolf	1991	Aging and heat tolerance at rest or during work	Exp Aging Res	Exclude	-	No	-	-	-	-	-	-	-
S. Pavlov	1991	[The effect of an improvement in the conceptual model of activity on the rate of searching for and	Fiziol Cheloveka	Exclude	-	-	No	-	-	-	-	-	-
Smolander; R. Ilmarinen;	O 1991	An evaluation of heat stress indices (ISO 7243, ISO/DIS 7933) in the prediction of heat strain in u	Int Arch Occup Environ F	Exclude	-	-	-	-	-	-	No	-	-
S. Uberoi; J. S. Dugal; A	A. S 1991	Acute renal failure in severe exertional rhabdomyolysis	J Assoc Physicians India	Exclude	Yes	-	-	-	-	-	-	-	-
N. Azhaev; A. S. Kuz'm	in; 1992	[The performance quality of a flight trainer operator under conditions of heat discomfort]	Voen Med Zh	Exclude	-	-	No	-	-	-	-	-	-
A. DuBose; J. W. Agnew			Aviat Space Environ Med	Exclude	-	No	-	-	-	-	-	-	-
. Fellmann	1992	Hormonal and plasma volume alterations following endurance exercise. A brief review	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
J. Gerner; P. Engel; G. C		The effects of sauna on tetraplegic and paraplegic subjects	Paraplegia	Exclude	-	-	-	-	-	No	-	-	-
M. Johnson	1992	Exercise and the cutaneous circulation	Exerc Sport Sci Rev	Exclude	-	No	-	-	-	-	-	-	-
. L. Kenney; J. M. Johnson	on 1992	Control of skin blood flow during exercise	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Landry; H. Lambert; M.		Human HSP27 is phosphorylated at serines 78 and 82 by heat shock and mitogen-activated kinase		Exclude	Yes	-	-	-	-	-	-	-	-
I. A. MacKenzie; W. R. A		Electrocardiographic changes during steady mild hypothermia and normothermia in patients with		Exclude	-	-	-	-	-	No	-	-	-
. D. Mittleman; T. J. Doul	bt; 1992	Influence of self-induced hypnosis on thermal responses during immersion in 25 degrees C water	Aviat Space Environ Med	Exclude	Yes	-	-	-	-	-	-	-	-
. Murray	1992	Nutrition for the marathon and other endurance sports: environmental stress and dehydration	Med Sci Sports Exerc	Exclude	-	No	-	-	-	-	-	-	-
B. Pandolf; R. W. Gange		Human thermoregulatory responses during heat exposure after artificially induced sunburn	Am J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Savourey; L. Clerc; A. I.	V 1992	Blood flow and muscle bio-energetics by 31P-nuclear magnetic resonance after local cold acclima-	Eur J Appl Physiol Occup	Exclude	Yes	-	-	-	-	-	-	-	-
. N. Sawka; A. J. Young;	W. 1992	Human tolerance to heat strain during exercise: influence of hydration	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
Smolander; V. Louhevaar	ra 1992	Effect of heat stress on muscle blood flow during dynamic handgrip exercise	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
P. Zunnunov	1992	[Physical work capacity as a criterion of human resistance under the hot climatic conditions of an	Fiziol Zh SSSR Im I M Se	Exclude	-	-	No	-	-	-	-	-	-
E. Armstrong; W. C. Cur	tis; 1993	Symptomatic hyponatremia during prolonged exercise in heat	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
E. Armstrong; R. W. Hul	bba 1993	Responses to moderate and low sodium diets during exercise-heat acclimation	Int J Sport Nutr	Exclude	-	-	-	-	-	-	No	-	-
Barnett; R. J. Maughan	1993	Response of unacclimatized males to repeated weekly bouts of exercise in the heat	Br J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
M. Beeley; D. J. Smith; I	E. F 1993	Environmental hazards and health	Br Med Bull	Exclude	Yes	-	-	-	-	-		-	-
Bouchama; A. el-Yazigi;	A 1993	Alteration of taurine homeostasis in acute heatstroke	Crit Care Med	Exclude	Yes	-	-	-	-	-			-
L. Brengelmann	1993	Specialized brain cooling in humans?	Faseb j	Exclude	-	No	-	-	-	-	-	-	-
. W. Briner, Jr.	1993	Physical allergies and exercise. Clinical implications for those engaged in sports activities	Sports Med	Exclude	Yes	-	-	-	-	-	-		-
M. Budd; J. R. Brotherh	ooc 1993	Effects of acclimatization to cold baths on men's responses to whole-body cooling in air	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No		-
Juul; A. Behrenscheer; T	Г. Т 1993	Impaired thermoregulation in adults with growth hormone deficiency during heat exposure and ex	Clin Endocrinol (Oxf)	Exclude	-	-	-	-	-	No			-
Nielsen; J. R. Hales; S. S	Stra 1993	Human circulatory and thermoregulatory adaptations with heat acclimation and exercise in a hot,	J Physiol	Exclude	-	-	-	-	-	-	No	-	-
. L. Schmidt	1993	[Characteristics of physical therapy in diseases of the musculoskeletal system in the elderly]	Z Gerontol	Exclude	-	-	No	-	-	-	-	-	-
J. Shephard	1993	Metabolic adaptations to exercise in the cold. An update	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
. Torii; H. Nakayama	1993	Disappearance of seasonal variation of sweating responses in exercising man: effect of pre-heating	J Hum Ergol (Tokyo)	Exclude	-	No	-	-	-	-		-	-
B. Yaspelkis, 3rd; G. C.	Scr 1993	Carbohydrate metabolism during exercise in hot and thermoneutral environments	Int J Sports Med	Exclude	-	-	-	-	-	-	No		-
. J. Young; M. N. Sawka;	M. 1993	Role of thermal factors on aerobic capacity improvements with endurance training	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
H. Zappe; C. G. Tankers	ley 1993	Fluid restriction prior to cycle exercise: effects on plasma volume and plasma proteins	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Aoyagi; T. M. McLellan	R 1994	Effects of training and acclimation on heat tolerance in exercising men wearing protective clothing	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
E. Cooper	1994	Some responses of the cardiovascular system to heat and fever	Can J Cardiol	Exclude	-	No	-	-	-	-	-		-
Dawson	1994	Exercise training in sweat clothing in cool conditions to improve heat tolerance	Sports Med	Exclude	-	No	-	-	-	-			-
J. Doubt; P. A. Deuster	1994	Fluid ingestion during exercise in 25 degrees C water at the surface and 5.5 ATA	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
Falk; O. Bar-Or	1994	[Responses to exercise in heat and cold among children and adolescents]	Harefuah	Exclude	-	-	No	-	-	-	-	-	-
. A. Febbraio; R. J. Snow	; N 1994	Muscle metabolism during exercise and heat stress in trained men: effect of acclimation	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No		-
Fu; P. E. Nelson	1994	Conditions and constraints of food processing in space	Food Technol	Exclude	Yes	-	-	-	-	-	-	-	-
J. Gordon	1994	Thermoregulation in laboratory mammals and humans exposed to anticholinesterase agents	Neurotoxicol Teratol	Exclude	Yes	-	-	-	-	-	-	-	-
. N. Janal; M. Glusman;	J. P 1994		Pain	Exclude	Yes	-	-	-	-	-	-	-	-
S. Lee	1994	Microvascular volume changes induced by exercise, heat exposure, or endotoxin injection	Am J Physiol	Exclude	-	-	-	-	-	-	No	-	-
L. Lloyd	1994	ABC of sports medicine. Temperature and performanceII: Heat	Bmj	Exclude	-	No	-	-	-	-	-	-	-
M. Lyle; P. R. Lewis; D.	A. 1994	Heat exhaustion in The Sun-Herald City to Surf fun run	Med J Aust	Exclude	-	No	-	-	-	-	-	-	-
M. Mancini; L. Bolinger			J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
M. McLellan; J. Frim	1994	Heat strain in the Canadian Forces chemical defence clothing: problems and solutions	Can J Appl Physiol	Exclude	-	No	-	-	-	-	-	-	-
J. Montain; M. N. Sawka		Physiological tolerance to uncompensable heat stress: effects of exercise intensity, protective cloth		Exclude	-	-	-	-	-	-	No	-	-
Montmayeur; A. Buguet	; H 1994	Exercise and sleep in four African sportsmen living in the Sahel. A pilot study	Int J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Nielsen	1994	Heat stress and acclimation	Ergonomics	Exclude	-	No	-	-	-	-	-	-	-
B. Pandolf	1994	Heat tolerance and aging	Exp Aging Res	Exclude	-	No	-	-	-	-	-	-	-
F. Rosenbaum; J. E. Vena	a; N 1994		Am J Epidemiol	Exclude	Yes	-	-	-	-	-	-	-	-
F. Sanborn; C. M. Janko	wsl 1994	Physiologic considerations for women in sport	Clin Sports Med	Exclude	-	No	-	-	-	-	-	-	-
J. Schwaber; H. P. Liss;		Hazard of sauna use after strenuous exercise	Ann Intern Med	Exclude	1.	No	_	_	1_			_	

										*Performance/capacity	= time trial, time to exhaustion, race po	rformance, VO2max, economy/efficiency, o	r lactate threshold.
				n	D ()0					**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
				Decision		r inclusion/exclus							
uthor Y	ear	Title	Journal	Include or exclude?	Irrelevant / of topic?	ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measurin endurance exercise performance/capaci or physiology during exercise**?
	994		Lik Sprava	Exclude	-	-	No	-	-	-	-	-	-
L. Shaver 1	994	Beyond hormonal therapies in menopause	Exp Gerontol	Exclude	Yes	-	-	-	-	-	-	-	-
Siewert; H. Siewert; H. J. V 1	994	[The behavior of central and peripheral hemodynamics in isometric and dynamic stress in hyperte	Z Kardiol	Exclude	-	-	No	-	-	-	-	-	-
Aoyagi; T. M. McLellan; R. 1		Effects of 6 versus 12 days of heat acclimation on heat tolerance in lightly exercising men wearing			-	-	-	-	-	-	No	-	-
Aoyagi; T. M. McLellan; R. 1	995	Determination of body heat storage in clothing: calorimetry versus thermometry	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No	-	-
	995		J Sports Sci	Exclude	-	No	-	-	-	-	-	-	-
L. Bennett; R. D. Hagan; K 1			Eur J Appl Physiol Occup		-	-	-	-	-	-	No	-	-
. F. Bergeron; L. E. Armstro 1			Clin Sports Med	Exclude	-	No	-	-	-	-	-	-	-
. A. Ciardiello; L. Camardel 1		Glucose-6-phosphate dehydrogenase from the blood cells of two antarctic teleosts: correlation wit		Exclude	Yes	-	-	-	-	-	-	-	-
Falk; M. Einbinder; Y. Weii 1		Blood lactate concentration following exercise: effects of heat exposure and of active recovery in		Exclude	-	-	-	-	-	-	No	-	-
	995	Surgical and rehabilitation options in the treatment of the rheumatoid arthritis patient resistant to p			Yes	-	-	-	-	-	-	-	-
. Jetté; J. Quenneville; J. The 1		Reproducibility of body temperature response to standardized test conditions when assessing clotl		Exclude	Yes	-	-	-	-	-	-	-	-
Kristal-Boneh; J. G. Glusm 1			Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
J. Maughan; M. I. Lindinge 1				Exclude	-	No	-	-	-	-	-	-	-
	995		Arctic Med Res	Exclude	Yes	-	-	-	-	-	-	-	-
G. Meyer; D. J. Horrigan, J 1		, , , , , ,	Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
J. Montain; W. A. Latzka; N 1		0 1 0 11		Exclude	-	-	-	-	-	-	No	-	-
B. Pandolf; L. A. Stroschei 1			Aviat Space Environ Med		-	No	-	-	-	-	-	-	-
J. Paolone; A. M. Paolone 1			Can J Physiol Pharmacol	Exclude	Yes	-	-	-	-	-	-	-	-
L. Peterson; G. W. Talcott; 1	995	, , ,	Mil Med	Exclude	Yes	-	-	-	-	-	-	-	-
	995		Int J Obes Relat Metab Di		Yes	-	-	-	-	-	-	-	-
Sasaki; A. Yamaguchi; Y. Na 1		21		Exclude	Yes	-	-	-	-	-	-	-	-
Terrados; R. J. Maughan 1	995	-	J Sports Sci	Exclude	-	No	-	-	-	-	-	-	-
	995		J Hum Ergol (Tokyo)	Exclude	Yes	-	-	-	-	-	-	-	-
J. Young; M. N. Sawka; L. 1				Exclude	-	-	-	-	-	-	No	-	-
Aoyagi; T. M. McLellan; R. 1	996	Determination of body heat storage: how to select the weighting of rectal and skin temperatures for	Int Arch Occup Environ H	Exclude	Yes	-	-	-	-	-	-	-	-
. Bates; C. Gazey; K. Cena 1				Exclude	Yes	-	-	-	-	-	-	-	-
K. Brenner; Y. D. Severs; P. 1			Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	-	-	No
. C. Bricknell	996			Exclude	Yes	-	-	-	-	-	-	-	-
T. Chatterton, Jr.; K. M. Vo. 1			Clin Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
	996	Pregnancy outcome: physical activities inside versus outside the workplace	Semin Perinatol	Exclude	Yes	-	-	-	-	-	-	-	-
. Cortili; P. Mognoni; F. Saib 1		Work tolerance and physiological responses to thermal environment wearing protective NBC clot	Ergonomics	Exclude	Yes	-	-	-	-	-	-	-	-
. K. el-Bakry; A. B. Channa; 1				Exclude	Yes	-	-	-	-	-	-	-	-
. L. Gibby; S. Lampotang; N 1		-	J Clin Monit	Exclude	Yes	-	-	-	-	-	-	-	-
	996			Exclude	Yes	-	-	-	-	-	-	-	-
A. Kark; P. Q. Burr; C. B. W 1				Exclude	-	No	-	-	-	-	-	-	-
Keatisuwan; T. Ohnaka; Y. 1		Physiological responses of women during exercise under dry-heat condition in winter and summe		Exclude	-	No	-	-	-	-	-	-	-
R. Kelly; I. Nishimura; S. D 1			J Prosthet Dent	Exclude	Yes	-	-	-	-	-	-	-	-
P. Kenny; G. G. Giesbrecht 1		A comparison of human thermoregulatory response following dynamic exercise and warm-water i			-	-	-	-	-	-	No	-	-
Kubica; A. Tyka; A. Zucho 1				Exclude	-	-	-	-	-	-	No	-	-
M. McLellan; Y. Aoyagi 1				Exclude	-	-	-	-	-	-	No	-	-
K. Nag; P. Bandyopadhyay; 1				Exclude	-	-	-	-	-	-	No	-	-
	996	7.1		Exclude	Yes	-	-	-	-	-	-	-	-
Puntschart; M. Vogt; H. R. 1				Exclude	Yes	-	-	-	-	-	-	-	-
	996		Aviat Space Environ Med		Yes	-	-	-	-	-	-	-	-
Rico-Sanz; W. R. Frontera; 11		Effects of hyperhydration on total body water, temperature regulation and performance of elite yo	•	Exclude	-	-	-	-	-	-	No	-	-
	996		Bull Inst Marit Trop Med		Yes	-	-	-	-	-	-	-	-
A. Tarnopolsky; N. Ciprian 1		1 1 1 1		Exclude	Yes	-	-	-	-	-	-	-	-
Torii; M. Yamasaki; T. Sas; 1			Br J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
H. Zappe; G. W. Bell; H. S 1		, , ,	Am J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
O. Acevedo; M. C. Meyers; 1		Applying physiological principles and assessment techniques to swimming the English Channel.			Yes	-	-	-	-	-	-	-	-
Aoyagi; T. M. McLellan; R. 1		Interactions of physical training and heat acclimation. The thermophysiology of exercising in a ho		Exclude	-	No	-	-	-	-	-	-	-
K. Brenner; S. Thomas; R. J 1			Eur J Appl Physiol Occup		-	-	-	-	-	-	-	-	No
K. Brenner; J. Zamecnik; P. 1			Eur J Appl Physiol Occup		-	-	-	-	-	-	-	-	No
W. Castellani; C. M. Maresh 1	997	Intravenous vs. oral rehydration: effects on subsequent exercise-heat stress	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-

										**Physiology durir	ereise = RPE heart rate assess rate	ore temp, and thermal comfort during exercis	or lactate threshold.
				Decision	Reason(s) for	r inclusion/exclus	ion:			**Physiology during ex	ercise = KPt., neart rate, sweat rate, co	re temp, and thermal comfort during exercis	æ.
author	Year	Title	Journal	Include or exclude?		ff-Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
R. Gonzalez; T. M. M		Heat strain models applicable for protective clothing systems: comparison of core temperature res	J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
. J. Gore; A. G. Hahn; C	C. M. 1997	VO2max and haemoglobin mass of trained athletes during high intensity training	Int J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
E. Greenleaf	1997	Exercise thermoregulation with bed rest, confinement, and immersion deconditioning	Ann N Y Acad Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Jirák; M. V. Jokl; H. J	Jirákov 1997	The assessment proposal for long-term and short-term tolerable hygrothermal microclimatic cond	Physiol Res	Exclude	Yes	-	-	-	-	-	-	-	-
. L. Kenney	1997	Thermoregulation at rest and during exercise in healthy older adults	Exerc Sport Sci Rev	Exclude	-	No	-	-	-	-	-	-	-
. A. Latzka; M. N. Saw	wka; S 1997	Hyperhydration: thermoregulatory effects during compensable exercise-heat stress	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
M. Lawler; C. C. Cline	ne; Z. I 1997	Effect of oxidative stress and acidosis on diaphragm contractile function	Am J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
P. Libert; V. Bach; G. I	Farges 1997	Neutral temperature range in incubators: performance of equipment in current use and new development	Crit Rev Biomed Eng	Exclude	Yes	-	-	-	-	-	-	-	-
. J. Luetkemeier; M. G	G. Cole 1997	Dietary sodium and plasma volume levels with exercise	Sports Med	Exclude	-	No	-	-	-	-	-	-	-
J. Maughan; S. M. Sh	hirreffs 1997	Recovery from prolonged exercise: restoration of water and electrolyte balance	J Sports Sci	Exclude	-	No	-	-	-	-	-	-	-
T. Minson; W. L. Ken	nney 1997	Age and cardiac output during cycle exercise in thermoneutral and warm environments	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
J. Montain; J. E. Laird	d; W. / 1997	Aldosterone and vasopressin responses in the heat: hydration level and exercise intensity effects	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
S. Mudambo; W. Cou	utie; M 1997	Plasma arginine vasopressin, atrial natriuretic peptide and brain natriuretic peptide responses to lo	Eur J Appl Physiol Occup	Exclude	-	No	-	-	-	-	-	-	-
. Nielsen; S. Strange; N	N. J. C 1997	Acute and adaptive responses in humans to exercise in a warm, humid environment	Pflugers Arch	Exclude	-	-	-	-	-	-	No	-	-
D. Noakes	1997	1996 J.B. Wolffe Memorial Lecture. Challenging beliefs: ex Africa semper aliquid novi	Med Sci Sports Exerc	Exclude	-	No	-	-	-	-	-	-	-
J. Paddon-Jones; B. M	M. Qui 1997	Effect of cryotherapy on muscle soreness and strength following eccentric exercise	Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
H. Rammsayer	1997	Effects of body core temperature and brain dopamine activity on timing processes in humans	Biol Psychol	Exclude	-	No	-	-	-	-	-	-	-
Rissanen; H. Rintamäl	äki 1997	Thermal responses and physiological strain in men wearing impermeable and semipermeable pro	Ergonomics	Exclude	Yes	-	-	-	-	-	-		-
Schiffmann; J. Rathge	geber; I 1997	Airway humidification in mechanically ventilated neonates and infants: a comparative study of a	Crit Care Med	Exclude	Yes	-	-	-	-	-	-	-	-
R. Shaw	1997	The perimenopausal hot flash: epidemiology, physiology, and treatment	Nurse Pract	Exclude	Yes	-	-	-	-	-	-		-
S. Westerterp-Planten	nga; C 1997	Acute effects of exercise or sauna on appetite in obese and nonobese men	Physiol Behav	Exclude	-	-	-	-	-	-	No		-
Aoyagi; T. M. McLella		Effects of endurance training and heat acclimation on psychological strain in exercising men wear	Ergonomics	Exclude	-	-	-	-	-	-	No	-	
E. Armstrong; C. M. N	Mares 1998	Effects of training, environment, and host factors on the sweating response to exercise	Int J Sports Med	Exclude	-	No	-	_	-	-	-	_	-
D Brandt	1998	The importance of nonpharmacologic approaches in management of osteoarthritis	Am J Med	Exclude	Yes							_	
K. Brenner: S. Thomas	s: R J 1998	Autonomic regulation of the circulation during exercise and heat exposure. Inferences from heart	Sports Med	Exclude	-	No	-	_	_	_			
Buguet; R. Cespuglio	.,		Can J Physiol Pharmacol	Exclude		No	-	_	_	_	_		
. J. Buono; J. H. Heane		Acclimation to humid heat lowers resting core temperature	Am J Physiol	Exclude	-	-	-	_	-	_	No	-	-
W. Castellani; C. M. M		Endocrine responses during exercise-heat stress: effects of prior isotonic and hypotonic intraveno	Eur J Appl Physiol Occur		-	-	-	_	-	-	No	-	-
S. Cheung; T. M. McI.		Heat acclimation, aerobic fitness, and hydration effects on tolerance during uncompensable heat s		Exclude							No	_	
. Degens	1998	Age-related changes in the microcirculation of skeletal muscle	Adv Exp Med Biol	Exclude		No	-					_	
. Derave; D. De Clerco		The influence of exercise and dehydration on postural stability	Ergonomics	Exclude	Yes	-							
R. Eichner	1998	Treatment of suspected heat illness	Int J Sports Med	Exclude	Yes		-	_	-	_			_
Falk	1998	Effects of thermal stress during rest and exercise in the paediatric population	Sports Med	Exclude	-	No	_	_	_	_	_		_
Falk; S. Radom-Isaac;	e I R 1998		Int J Sports Med	Exclude	_	-	_	_	_	_	No		_
S. Greiwe; K. S. Staffe		Effects of dehydration on isometric muscular strength and endurance	Med Sci Sports Exerc	Exclude	Yes		-				140	-	-
. Hargreaves; M. Febb		Limits to exercise performance in the heat	Int J Sports Med	Exclude	- Tes	No				-		-	
Imamura; S. Rissanen		Manual performance in cold conditions while wearing NBC clothing	Ergonomics	Exclude	Yes	110	-		-	-	-	-	-
M. Johnson	1998	Physical training and the control of skin blood flow	Med Sci Sports Exerc	Exclude	165	No	-	-	-	-	-	-	-
Kargotich; C. Goodma			Sports Med	Exclude	Yes	140	-	-	-	-	-	-	-
W. Kenefick; C. M. M.		Plasma testosterone and cortisol responses to training-intensity exercise in mild and hot environm	-1	Exclude	- I es	-	-	-	-	-	No	-	-
L. Kenney	1998	Heat flux and storage in hot environments	Int J Sports Med	Exclude	-	No	-	-	-	-	INO		-
L. Kilgore; T. I. Musch	*****	Physical activity, muscle, and the HSP70 response	Can J Appl Physiol	Exclude	-	No	-	-	-	-	-	-	-
A. Latzka; M. N. Saw					-	INO	-	-	-	-	N.		-
A. Latzka; M. N. Saw Marino: J. Booth	1998		J Appl Physiol (1985)	Exclude	- -	-	-	-	-	-	No	-	-
Marino; J. Booth J. Marlin	1998	Whole body cooling by immersion in water at moderate temperatures Acclimation and acclimatisation of the equine athlete	J Sci Med Sport Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
	*****	·		Exclude	Yes	No.	-	-	-	-	-	-	-
J. Maughan; S. M. Shi		Dehydration, rehydration and exercise in the heat: concluding remarks	Int J Sports Med	Exclude	-	No	-	-	-	-	No.	-	-
J. Montain; M. N. Saw		Thermal and cardiovascular strain from hypohydration: influence of exercise intensity	Int J Sports Med	Exclude	-	- N.	-	-	-	-	No	-	-
S. Moran; A. Shitzer;		A physiological strain index to evaluate heat stress	Am J Physiol	Exclude	-	No	-	-	-	-	-	-	-
Müllerová; D. Matějk		[Energy expenditure at rest and obesity]	Sb Lek	Exclude	-	-	No	-	-	-	-	-	-
Murray	1998	Rehydration strategies—balancing substrate, fluid, and electrolyte provision	Int J Sports Med	Exclude	Yes		-	-	-	-	-	-	-
Nielsen	1998	Heat acclimationmechanisms of adaptation to exercise in the heat	Int J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
B. Pandolf	1998	Time course of heat acclimation and its decay	Int J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Schwarz	1998	[Rhinomanometric studies of thermal modification of nasal ventilation]	Hno	Exclude	-	-	No	-	-	-	-	-	-
Shapiro; D. Moran; Y.		Acclimatization strategiespreparing for exercise in the heat	Int J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
J. Shephard; P. N. She	ek 1998	Cold exposure and immune function	Can J Physiol Pharmacol	Exclude	Yes	-	-	-	-	-	-	-	-

										**Physiology during ex	ercise = RPE heart rate sweat rate or	erformance, VO2max, economy/efficiency, or re temp, and thermal comfort during exercis	r lactate threshold.
				Decision	Reason(s) fo	r inclusion/exclus	sion:			Physiology during es	ercise – RPE, neart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
uthor	Year	Title	Journal	Include or exclude?		off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measurin endurance exercise performance/capaci or physiology durin exercise**?
Verner; U. Beckmann	1998	Conflicts of thermal adaptation and fevera cybernetic approach based on physiological experime		Exclude	-	No	-	-	-	-	-	-	-
R. Zunnunov	1998	[The reserve potentials of patients with ischemic heart disease who live under the conditions of ar		Exclude	-	-	No	-	-	-	-	-	-
I. Barr	1999	1		Exclude	-	-	-	-	-	-	No	-	-
G. Bell; I. Jacobs; T. M.			Aviat Space Environ Med		-	-	-	-	-	-	No	-	-
Burger-Kentischer; E. M		Hypertonicity-induced accumulation of organic osmolytes in papillary interstitial cells	Kidney Int	Exclude	Yes	-	-	-	-	-	-	-	-
S. Cadarette; S. J. Monta		Cross validation of USARIEM heat strain prediction models. U.S. ARMY Research Institute of E			-	-	-	-	-	-	-	No	-
S. Cheung; T. M. McLell		Comparison of short-term aerobic training and high aerobic power on tolerance to uncompensable			-	-	-	-	-	-	No	-	-
Fehrenbach; A. M. Niess		Role of heat shock proteins in the exercise response		Exclude	Yes	-	-	-	-	-	-	-	-
Giannetti; M. Juneau; A.		Sauna-induced myocardial ischemia in patients with coronary artery disease	Am J Med	Exclude	-	-	-	-	-	No	-	-	-
E. Holley; J. W. Butler; J. Inoue; G. Havenith; W. I.		Carbon monoxide poisoning in racing car drivers	J Sports Med Phys Fitness		Yes	-	-	-	-	-	- N.	-	-
Jimenez; B. Melin; N. K		Exercise- and methylcholine-induced sweating responses in older and younger men: effect of heat Plasma volume changes during and after acute variations of body hydration level in humans	Eur J Appl Physiol Occup	Exclude	-	-	-	-	-	-	No No	-	-
J. Maughan	1999	Exercise in the heat: limitations to performance and the impact of fluid replacement strategies. Int	11 / 1		-	No.	-	-	-	-	NO	-	-
M. McLellan; J. Frim; D.	*****		Aviat Space Environ Med	Exclude	-	No		1	-	T.	- No		
S. Moran; M. Horowitz;		The physiological strain index applied to heat-stressed rats	-	Exclude	Yes		-	-		-	140	-	-
P. Pitsiladis; R. J. Maugh		The effects of exercise and diet manipulation on the capacity to perform prolonged exercise in the		Exclude	105		-	-		-	No	-	-
J. Price; I. G. Campbell		Thermoregulatory responses of spinal cord injured and able-bodied athletes to prolonged upper bo	,	Exclude	Yes			-		-	-	-	-
M. Rivera-Brown; R. Gu		Drink composition, voluntary drinking, and fluid balance in exercising, trained, heat-acclimatized		Exclude	-					No	-	-	-
N. Sawka; E. F. Coyle	1999	Influence of body water and blood volume on thermoregulation and exercise performance in the		Exclude		No				-	_	_	
J. Shenhard	1999			Exclude	Yes	-						-	
J. Shephard; P. N. Shek	1999	Immune dysfunction as a factor in heat illness	Crit Rev Immunol	Exclude	Yes			_		_	_	_	_
Singh; R. G. Sirisinghe	1999	Haematological and plasma electrolyte changes after long distance running in high heat and humi		Exclude	-	No	-	_	-	-	-	_	-
Takamata; T. Ito; K. Yae		Effect of an exercise-heat acclimation program on body fluid regulatory responses to dehydration		Exclude	-	-	-	_	-	-	No	_	-
	2000	Climatic heat stress and the exercising child and adolescent. American Academy of Pediatrics. Co		Exclude	-	_	-	_	-	No	-	-	-
Amos; R. Hansen; W. M	. L 2000	Physiological and cognitive performance of soldiers conducting routine patrol and reconnaissance		Exclude	-	No	-	-	-	-	-	-	-
R. Buskirk; P. F. Iampiet	ro; 2000	Work performance after dehydration: effects of physical conditioning and heat acclimatization. 19		Exclude	-	-	-	-	-	-	-	No	-
S. Cheung; T. M. McLell	lan 2000	The thermophysiology of uncompensable heat stress. Physiological manipulations and individual		Exclude	-	No	-	-	-	-	-	-	-
Fehrenbach; A. M. Niess	; E 2000	Transcriptional and translational regulation of heat shock proteins in leukocytes of endurance run	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
Fehrenbach; F. Passek; A	. N 2000	HSP expression in human leukocytes is modulated by endurance exercise	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
. Gleeson	2000	The scientific basis of practical strategies to maintain immunocompetence in elite athletes	Exerc Immunol Rev	Exclude	Yes	-	-	-	-	-	-	-	-
P. Ivanov	2000	[International conference on 'Problems of physiology under extreme conditions']	Ross Fiziol Zh Im I M See	Exclude	-	-	No	-	-	-	-	-	-
P. Ivanov	2000	[International Conference on the Problems of the Human Physiology and Cognitive Performance	Fiziol Cheloveka	Exclude	-	-	No	-	-	-	-	-	-
. Kay; F. E. Marino	2000	Fluid ingestion and exercise hyperthermia: implications for performance, thermoregulation, metal	J Sports Sci	Exclude	-	No	-	-	-	-	-	-	-
. A. Latzka; M. N. Sawka		Hyperhydration and glycerol: thermoregulatory effects during exercise in hot climates	Can J Appl Physiol	Exclude	-	No	-	-	-	-	-	-	-
I. Lindinger; L. J. McCu		Heat acclimation improves regulation of plasma volume and plasma Na(+) content during exercis		Exclude	-	-	-	-	-	-	No	-	-
McArdle; M. J. Jackson		Exercise, oxidative stress and ageing	J Anat	Exclude	-	No	-	-	-	-	-	-	-
Merezhinskaya; W. N. F.		Mutations in MCT1 cDNA in patients with symptomatic deficiency in lactate transport	Muscle Nerve	Exclude	Yes	-	-	-	-	-	-	-	-
Moehrle; W. Koehle; K.		Reduction of minimal erythema dose by sweating		Exclude	Yes	-	-	-	-	-	-	-	-
J. Montain; W. A. Latzka		Impact of muscle injury and accompanying inflammatory response on thermoregulation during ex		Exclude	-	-	-	-	-	-	No	-	-
R. Naghii D. Noakes	2000	The significance of water in sport and weight control	Nutr Health	Exclude	Yes	-	-	-	-	-	-	-	-
		Physiological models to understand exercise fatigue and the adaptations that predict or enhance at		Exclude	-	No	-	-	-	-	-	-	-
B. Pyne; M. Gleeson; W. Rintamäki	2000 2000	Training strategies to maintain immunocompetence in athletes	Int J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
		Predisposing factors and prevention of frostbite		Exclude	Yes	- N.	-	-	-	-	-	-	-
N. Sawka; V. A. Conver N. Sawka: S. J. Montain		Blood volume: importance and adaptations to exercise training, environmental stresses, and traum Fluid and electrolyte supplementation for exercise heat stress	Am J Clin Nutr	Exclude	-	No	-	-	-	-	- N.	-	-
N. Sawka; S. J. Montain Sohar; Y. Shapiro; Y. Eps		[Man in a hot climateearly studies of the Institute of Military Physiology]		Exclude Exclude	-	-	- No	-	-	-	No	-	-
M. Stern: O. P. Hornstein			J Dermatol	Exclude	Yes		110	-	-	-	-		-
A. van Nieuwenhoven; l	,	Effect of dehydration on gastrointestinal function at rest and during exercise in humans	Eur J Appl Physiol	Exclude	Yes			1	-	T.			-
J. Watt; A. P. Garnham;		Effect of acute plasma volume expansion on thermoregulation and exercise performance in the he	II 7	Exclude	1 03	1	-	-	-	-	No	-	-
J. Yu; T. D. Yang; C. Par		[Weightlessness and heat stress on astronauts]	Space Med Med Eng (Bei		-		No	-	-	T.	-	-	_
S. Abrams; D. M. Skee;		Pharmacokinetics of norelgestromin and ethinyl estradiol delivered by a contraceptive patch (Orth		Exclude		-	-	-	-	-	No	-	_
X. Bigard; H. Sanchez; (Effects of dehydration and rehydration on EMG changes during fatiguing contractions		Exclude	-	-	-	-	-	-	No	-	-
K. Byrne; J. H. Wilmore		The effects of a 20-week exercise training program on resting metabolic rate in previously sedents			Yes	-	-	-	-	-	-	-	-
V. Castellani; A. J. Young				Exclude	Yes	_	-	-	_	_	_	-	_
. Chan; J. U. Corselli; W	-	A simple comet assay for archived sperm correlates DNA fragmentation to reduced hyperactivation		Exclude	Yes	-	1.	_	-	_			_
Cian; P. A. Barraud; B. M		Effects of fluid ingestion on cognitive function after heat stress or exercise-induced dehydration		Exclude							No		

Author										- rnysiology during ex	cicisc - K.F.E., neart rate, sweat rate, co	re temp, and thermal comfort during exercis	·c.
Luthor				Decision	Reason(s) for	inclusion/exclus	ion:						
	Year	Title	Journal	Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
. A. Febbraio	2001	Alterations in energy metabolism during exercise and heat stress	Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Fehrenbach; A. M. Niess;	R 2001	Changes of HSP72-expression in leukocytes are associated with adaptation to exercise under conc	J Leukoc Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Fehrenbach; H. Northoff	2001	Free radicals, exercise, apoptosis, and heat shock proteins	Exerc Immunol Rev	Exclude	Yes	-	-	-	-	-	-	-	-
Fiala; K. J. Lomas; M. Sto		Computer prediction of human thermoregulatory and temperature responses to a wide range of en		Exclude	-	No	-	-	-	-	-	-	-
A. Finn	2001	Reproductive ageing and the menopause	Int J Dev Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Frank; M. Belokopytov; D			J Basic Clin Physiol Phari		Yes	-	-	-	-	-	-	-	-
Frank; M. Belokopytov; Y		The cumulative heat strain indexa novel approach to assess the physiological strain induced by e		Exclude	-	No	-	-	-	-	-	-	-
M. Gass; G. C. Gass	2001		Spinal Cord	Exclude	Yes	-	-	-	-	-	-	-	-
Gill; G. Sleivert	2001	Effect of daily versus intermittent exposure on heat acclimation	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
Havenith	2001		J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
Jessen	2001	-	Jpn J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Koishi; S. Yokota; T. Mae		The effects of KNK437, a novel inhibitor of heat shock protein synthesis, on the acquisition of the		Exclude	Yes	-	-	-	-	-	-	-	-
Kondo; M. Shibasaki; K.				Exclude	-	-	-	-	-	-	No	-	-
M. McLellan	2001			Exclude	-	No	-	-	-	-	-	-	-
Melin; N. Koulmann; C. J	Jir 2001	Comparison of passive heat or exercise-induced dehydration on renal water and electrolyte excret	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
B. Mitchell; E. R. Schiller;	; J2001	The influence of different external cooling methods on thermoregulatory responses before and after	J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-
Ozaki; Y. Nagai; Y. Tochil	ht 2001	Physiological responses and manual performance in humans following repeated exposure to sever	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
N. Sawka; W. A. Latzka;	S 2001	Physiologic tolerance to uncompensable heat: intermittent exercise, field vs laboratory	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
E. Schoffstall; J. D. Branch	h; 2001	Effects of dehydration and rehydration on the one-repetition maximum bench press of weight-train	J Strength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
L. Stebbins; J. W. Daniels;	; 2001	Effects of caffeine and high ambient temperature on haemodynamic and body temperature respon	Clin Physiol	Exclude	-	-	-	-	-	-	No	-	-
 Stocks; M. J. Patterson; 	;12001	Metabolic habituation following repeated resting cold-water immersion is not apparent during low	J Physiol Anthropol Appl	Exclude	Yes	-	-	-	-	-	-	-	-
Takeno; Y. I. Kamijo; H. N	Nc 2001	Thermoregulatory and aerobic changes after endurance training in a hypobaric hypoxic and warm	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
Геі	2001	Thermal therapy for congestive heart failure: estimation by TEI index	J Cardiol	Exclude	-	No	-	-	-	-	-	-	-
van Tubergen; R. Landew	vé: 2001	Combined spa-exercise therapy is effective in patients with ankylosing spondylitis: a randomized	Arthritis Rheum	Exclude	-	-	-	-	-	No	-	-	-
Vogt; A. Puntschart; J. Ge	ei: 2001	Molecular adaptations in human skeletal muscle to endurance training under simulated hypoxic co	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
M. Walker; B. Dawson; T.	F 2001	Performance enhancement in rally car drivers via heat acclimation and race simulation	Comp Biochem Physiol A	Exclude	Yes	-	-	-	-	-	-	-	-
J. Zhang; H. Y. Pan; S. J. C	G: 2001	Reverse transcription slippage over the mRNA secondary structure of the LIP1 gene	Biotechniques	Exclude	Yes	-	-	-	-	-	-	-	-
E. Armstrong; J. Stoppani	2002	Central nervous system control of heat acclimation adaptations: an emerging paradigm	Rev Neurosci	Exclude	-	No	-	-	-	-	-	-	-
R. Bassett, Jr.	2002	Scientific contributions of A. V. Hill: exercise physiology pioneer	J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
T. Burkman	2002	The transdermal contraceptive patch: a new approach to hormonal contraception	Int J Fertil Womens Med	Exclude	Yes	-	-	-	-	-	-	-	-
S. Cadarette; L. Levine; M	4. 2002	Heat strain reduction by ice-based and vapor compression liquid cooling systems with a toxic age	Aviat Space Environ Med	Exclude	Yes	-	-	-	-	-	-	-	-
Casimiro; L. Brosseau; V.	V 2002	Therapeutic ultrasound for the treatment of rheumatoid arthritis	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
S. Denton; N. Clarke; J. N	Mε 2002	Non-surgical interventions for late radiation cystitis in patients who have received radical radiother	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Féasson; D. Stockholm; D	2002	Molecular adaptations of neuromuscular disease-associated proteins in response to eccentric exerc	J Physiol	Exclude	-	-	-	-	-	-	No	-	-
Ferrer; A. Alegría; R. Farr	ré: 2002	High-performance liquid chromatographic determination of furfural compounds in infant formula	J Chromatogr A	Exclude	Yes	-	-	-	-	-	-	-	-
M. Hedley; M. Climstein;	F 2002	The effects of acute heat exposure on muscular strength, muscular endurance, and muscular power	J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-
Jimenez; N. Koulmann; I.	N 2002	Plasma compartment filling after exercise or heat exposure	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
L. Kenney; M. J. Zeman	2002	Psychrometric limits and critical evaporative coefficients for unacclimated men and women	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
Koppo; A. M. Jones; L. Va	'ar 2002	Effect of prior exercise on VO(2) slow component is not related to muscle temperature	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
C. Kregel	2002	Heat shock proteins: modifying factors in physiological stress responses and acquired thermotoler	J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
Kunitsuka; K. Yamatsu; Y	7. 2002	[A correspondence behavioral approach for 6 lifestyle's improvements in a workplace]	Nihon Koshu Eisei Zasshi	Exclude	-	-	No	-	-	-	-	-	-
A. Leydon; C. Wall	2002	New Zealand jockeys' dietary habits and their potential impact on health	Int J Sport Nutr Exerc Me	Exclude	Yes	-	-	-	-	-	-	-	-
Malchaire; B. Kampmann;	F 2002	Assessment of the risk of heat disorders encountered during work in hot conditions	Int Arch Occup Environ H	Exclude	-	-	-	-	-	-	No	-	-
A. Marsh; D. G. Jenkins	2002	Physiological responses to the menstrual cycle: implications for the development of heat illness in		Exclude	-	No	-	-	-	-	-	-	-
Marzolini; A. Béguin; A. T	Te 2002	Determination of lopinavir and nevirapine by high-performance liquid chromatography after solid	J Chromatogr B Analyt Te	Exclude	Yes	-	-	-	-	-	-	-	-
McArdle; A. Vasilaki; M.		Exercise and skeletal muscle ageing: cellular and molecular mechanisms	Ageing Res Rev	Exclude	-	No	-	-	-	-	-	-	-
M. McCracken; R. T. Gros	ss 2002	Multimethod assessment of treatment process in chronic low back pain: comparison of reported pa	Behav Res Ther	Exclude	Yes	-	-	-	-	-	-	-	-
M. McLellan; S. G. Rhind	1; 2002	Body temperature in sedentary adults during moderate exercise: no effect from exercise the day be			-	-	-	-	-	-	No	-	-
Montgomery; J. A. Dennis	s 2002		Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
 M. Moore; A. F. Timperio; 		Weight management and weight loss strategies of professional jockeys	Int J Sport Nutr Exerc Me		Yes	-	-	-	-	-	-	-	-
S. Moran; W. L. Kenney;	J. 2002	Aging and assessment of physiological strain during exercise-heat stress	Am J Physiol Regul Integ	Exclude	-	-	-	-	-	-	No	-	-
L. Morgan; W. E. Sinning	g; 2002		Aviat Space Environ Med	Exclude	-	No	-	-	-	-	-	-	-
K. Nasr; R. J. McCarthy;		The role of pedometers in the assessment of intermittent claudication	Eur J Vasc Endovasc Surg	Exclude	Yes	-	-	-	-	-	-	-	-
Ookawara; K. Suzuk; S. H	Ia 2002	Transcription regulation of gene expression in human skeletal muscle in response to endurance tra			Yes	-	-	-	-	-	-	-	-
H. Pannen	2002	[Etiology and sequelae of perioperative accidental hypothermia]		Exclude	-	-	No	-	-	-	-	-	-

										renormance/capacity	nne true, time to exhaustion, race pe	erformance, VO2max, economy/efficiency, o	or lactate threshold.
				Dogicion	Paggan(a) for	inalusian/avalus	ion:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	ore temp, and thermal comfort during exercis	se.
Author	Year	Title	Journal	Decision Include or		inclusion/exclus	English	Peer-reviewed	Full text	Healthy male on	≥30-mins of at least	A control group	Outcomes measuring
author	Tear	Title	Journai	exclude?	topic?	trial design?	language?	journal?	available?	female adults ≥18 years of age?	moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	completing the same daily exercise but without post- exercise heat exposure?	endurance exercise performance/capacity or physiology during exercise**?
J. Pilcher; E. Nadler; C		Effects of hot and cold temperature exposure on performance: a meta-analytic review	Ergonomics	Exclude	-	No	-	-	-	-	-	-	-
I. Post; G. Heusch	2002	Ischemic preconditioning. Experimental facts and clinical perspective	Minerva Cardioangiol	Exclude	Yes	-	-	-	-	-	-	-	-
S. Shastry; D. O. Toft; N		HSP70 and HSP90 expression in leucocytes after exercise in moderately trained humans	Acta Physiol Scand	Exclude	Yes	-	-	-	-	-	-	-	-
D. Singer	2002	[Phylogeny of Mammalian metabolism]	Anasthesiol Intensivmed	N Exclude	-	-	No	-	-	-	-	-	-
H. S. Thompson; P. M. C		The repeated bout effect and heat shock proteins: intramuscular HSP27 and HSP70 expression for		Exclude	Yes	-	-	-	-	-	-	-	-
. Vasmatzidis; R. E. Sch	-	An investigation of heat stress effects on time-sharing performance	Ergonomics	Exclude	Yes	-	-	-	-	-	-	-	-
3. Voltaire; O. Galy; O.		Effect of fourteen days of acclimatization on athletic performance in tropical climate	Can J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
M. P. Ward; J. S. Milleds	-	Griffith Pugh, pioneer Everest physiologist	High Alt Med Biol	Exclude	Yes	-	-	-	-	-	-	-	-
H. A. Zacur; B. Hedon; l		Integrated summary of Ortho Evra/Evra contraceptive patch adhesion in varied climates and conc		Exclude	Yes	-	-	-	-	-	-	-	-
7. Boegli; G. Gremion; 5		Endurance training enhances vasodilation induced by nitric oxide in human skin	J Invest Dermatol	Exclude	Yes	-	-	-	-	-	-	-	-
B. Bogin; L. Rios	2003	Rapid morphological change in living humans: implications for modern human origins		A Exclude	-	No	-	-	-	-	-	-	-
M. W. Bridge; A. S. Wel			Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
M. W. Bridge; A. S. Wel	. ,	Ambient temperature and the pituitary hormone responses to exercise in humans	Exp Physiol	Exclude	-	-	-	-	-	-	No	-	-
S. N. Cheuvront; M. A. I		Efficacy of intermittent, regional microclimate cooling	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
G. C. Donaldson; W. R.		Cardiovascular responses to heat stress and their adverse consequences in healthy and vulnerable		Exclude	-	No	-	-	-	-	-	-	-
H. Faerevik; R. E. Reine		Effects of wearing aircrew protective clothing on physiological and cognitive responses under va-		Exclude	Yes	-	-	-	-	-	-	-	-
E. Fehrenbach; R. Veith;		Inverse response of leukocyte heat shock proteins and DNA damage to exercise and heat	Free Radic Res	Exclude	Yes	-	-	-	-	-	-	-	-
C. J. Gordon	2003	Role of environmental stress in the physiological response to chemical toxicants	Environ Res	Exclude	Yes	-	-	-	-	-	-	-	-
A. Gutiérrez; J. L. Mesa		Sauna-induced rapid weight loss decreases explosive power in women but not in men	Int J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
P. A. Hancock; I. Vasma		Effects of heat stress on cognitive performance: the current state of knowledge	Int J Hyperthermia	Exclude	-	No	-	-	-	-	-	-	-
A. E. Jeukendrup	2003	Modulation of carbohydrate and fat utilization by diet, exercise and environment	Biochem Soc Trans	Exclude	-	No	-	-	-	-	-	-	-
. O. Jørgensen; M. Krag		Exercise, hormones, and body temperature. regulation and action of GH during exercise	J Endocrinol Invest	Exclude	-	No	-	-	-	-	-	-	-
I. Kalhoff	2003	Mild dehydration: a risk factor of broncho-pulmonary disorders?	Eur J Clin Nutr	Exclude	Yes	-	-	-	-	-	-	-	-
M. Khassaf; A. McArdle	-, -, -, -, -, -, -, -, -, -, -, -, -, -	Effect of vitamin C supplements on antioxidant defence and stress proteins in human lymphocyte		Exclude	Yes	-	-	-	-	-	-	-	-
N. Koulmann; S. Banzet		[Physical activity in the heat: physiology of hydration recommendations]	Med Trop (Mars)	Exclude	-	-	No	-	-	-	-	-	-
W. J. Kraemer; L. E. Arr		The effects of exertional heatstroke and exercise-heat acclimation on plasma beta-endorphin conc			-	-	-	-	-	-	No	-	-
. A. Loeppky; M. V. Ice		Body temperature, autonomic responses, and acute mountain sickness	High Alt Med Biol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Michalsen; R. Lüdtke		Thermal hydrotherapy improves quality of life and hemodynamic function in patients with chron		Exclude	-	-	-	-	-	No	-	-	-
C. Nagiev Iu	2003	[Duration-outcome relations in nonpharmacological treatment of chronic cardiac failure develope	-		-	-	No	-	-	-	-	-	-
A. M. Niess; E. Feheren		Individual differences in self-reported heat tolerance. Is there a link to the cardiocirculatory, there			-	No	-	-	-	-	-	-	-
A. M. Niess; E. Fehrenb		Impact of elevated ambient temperatures on the acute immune response to intensive endurance ex		Exclude	-	-	-	-	-	-	No	-	-
C. O'Brien; S. J. Montain		Hypohydration effect on finger skin temperature and blood flow during cold-water finger immers		Exclude	Yes	-	-	-	-	-	-	-	-
R. C. Oh; J. S. Henning		Exertional heatstroke in an infantry soldier taking ephedra-containing dietary supplements	Mil Med	Exclude	-	No	-	-	-	-	•		-
R. A. Oppliger; S. A. Ste		Weight loss practices of college wrestlers	Int J Sport Nutr Exerc M		Yes	-	-	-	-	-	•	-	-
. K. Ormerod; T. A. Elli		Drinking behavior and perception of thirst in untrained women during 6 weeks of heat acclimation			-	No	-	-	-	-	-	-	-
. Saboisky; F. E. Marino			Exp Physiol	Exclude	-	-	-	-	-	-	No	-	-
3. Smalley; R. M. Janke		Exertional heat illness in Air Force basic military trainees	Mil Med	Exclude	Yes	-	-	-	-	-	-	-	-
C. A. Stokes; M. E. Nev		Reproducibility of the growth hormone response to sprint exercise	Growth Horm IGF Res	Exclude	Yes	-	-	-	-	-	-	-	-
R. P. Taylor; J. W. Starne		Age, cell signalling and cardioprotection	Acta Physiol Scand	Exclude	-	No	-	-	-	-	-	-	-
D. Thompson; C. Willian		Post-exercise vitamin C supplementation and recovery from demanding exercise	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
H. S. Thompson; E. B. M		Exercise-induced HSP27, HSP70 and MAPK responses in human skeletal muscle	Acta Physiol Scand	Exclude	Yes	-	-	-	-	-	-	-	-
3. Voltaire; S. Berthouze		Influence of a hot/wet environment on exercise performance in natives to tropical climate		ss Exclude	-	-	-	-	-	-	No	-	-
Yamazaki; K. Hamasa		Heat acclimation increases skin vasodilation and sweating but not cardiac baroreflex responses in		Exclude	-	-	-	-	-	-	No	-	-
P. A. Armada-da-Silva; J			Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
G. Banfi; A. Dolci; R. V		Exercise raises serum heat-shock protein 70 (Hsp70) levels	Clin Chem Lab Med	Exclude	Yes	-	-	-	-	-	- N.	-	-
S. S. Cheung; G. G. Slei		Lowering of skin temperature decreases isokinetic maximal force production independent of core		Exclude	-	-	-	-	-	-	No	-	-
S. N. Cheuvront; R. Carl		Branched-chain amino acid supplementation and human performance when hypohydrated in the		Exclude	-	-	-	-	-	-	No	-	-
E. E. Coris; A. M. Ramii		Heat illness in athletes: the dangerous combination of heat, humidity and exercise	Sports Med	Exclude	-	No	-	-	-	-	-	-	-
K. A. Dickson; J. B. Gra		Evolution and consequences of endothermy in fishes	Physiol Biochem Zool	Exclude	Yes	-	-	-	-	-	-	-	-
Hirose; K. Nosaka; M		Changes in inflammatory mediators following eccentric exercise of the elbow flexors	Exerc Immunol Rev	Exclude	Yes	- N.	-	-	-	-	-	-	-
O. Hue; B. Voltaire; O. C		Effects of 8 days acclimation on biological and performance response in a tropical climate	J Sports Med Phys Fitnes		-	No	-	-	-	-	-	-	-
M. K. Irmak; A. Korkma		Selective brain cooling seems to be a mechanism leading to human craniofacial diversity observe		Exclude	Yes	-	-	-	-	-	-	-	-
P. Kilduff; E. Georgia		The effects of creatine supplementation on cardiovascular, metabolic, and thermoregulatory responses			-	-	-	-	-	-	No	-	-
A. M. Lane; P. C. Terry;			J Sports Sci	Exclude	-	No	-	-	-	-	-	-	-
M. Leeb . Lietava: B. Vohnout: I	2004	Gasping for victory Comparison of hemodynamics during hyperthermal immersion and exercise testing in apparently	Nature	Exclude	-	No	-	-	-	-	- No	-	-

												erformance, VO2max, economy/efficiency, o	
				Danisian	Paggan(a) for	r inalusian/avalus	ion:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
author	Year	Title	Journal	Decision Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	female adults ≥18 years of	≥30-mins of at least moderate-intensity exercise in <25°C with	A control group completing the same daily exercise but without post-	Outcomes measuring endurance exercise performance/capacity
										age?	post-exercise heat exposure for at least 2 consecutive days?	exercise heat exposure?	or physiology during exercise**?
M. Linnane; R. M. B	racker 2004	Effects of hyperthermia on the metabolic responses to repeated high-intensity exercise	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Liu; W. Lormes; L. W	/ang; \$ 2004	Different skeletal muscle HSP70 responses to high-intensity strength training and low-intensity er	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Maughan; S. Shirreff	s 2004	Exercise in the heat: challenges and opportunities	J Sports Sci	Exclude	-	No	-	-	-	-	-	-	-
. Nimmo	2004		J Sports Sci	Exclude	Yes	-	-	-	-	-	-	-	-
. J. Patterson; J. M. St	ocks; 12004	Sustained and generalized extracellular fluid expansion following heat acclimation	J Physiol	Exclude	-	-	-	-	-	-	No	-	-
Peiser; T. Reilly	2004		J Sports Sci	Exclude	-	No	-	-	-	-	-	-	-
D. Raeburn; M. A. Zi		Surgical applications of organ preconditioning	Minerva Chir	Exclude	Yes	-	-	-	-	-	-	-	-
V. Reising; P. M. San			Hum Factors	Exclude	Yes	-	-	-	-	-	-	-	-
L. Shields; G. G. Gie		The effects of a moderate physical activity program on thermoregulatory responses in a warm env		Exclude	-	No	-	-	-	-	-	-	-
Simar; D. Malatesta;		Effect of age on Hsp72 expression in leukocytes of healthy active people	Exp Gerontol	Exclude	-	-	-	-	-	-	No	-	-
B. Stein; X. L. Tang;			Stroke	Exclude	-	No	-	-	-	-	-	-	-
M. Steinacker; W. Lor		New aspects of the hormone and cytokine response to training	Eur J Appl Physiol	Exclude	-	No	-	-	-	-	-	-	-
Steultjens; J. J. Dekke				Exclude	Yes	-	-	-	-	-	-	-	-
A. Stokes; M. E. Nev		Effect of 6 weeks of sprint training on growth hormone responses to sprinting	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	- N.	-	-
Tucker; L. Rauch; Y.		Impaired exercise performance in the heat is associated with an anticipatory reduction in skeletal i		Exclude	- V	-	-	-	-	-	No	-	-
Uno; T. Abo; T. Tanak Villanueva: M. H. Be		. ,	J Adhes Dent	Exclude	Yes	-	-	-	-	-	-	-	-
	,		Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
. Whitham; S. L. Hals		Leukocyte heat shock protein expression before and after intensified training	Int J Sports Med	Exclude	Yes	-	- N.	-	-	-	-	-	-
Zhou; R. X. Xu; S. Z Angepat; V. M. Gorer		[Hemorheological changes in hot and humid environment] Accelerating perfusion process optimization by scanning non-steady-state responses	Di Yi Jun Yi Da Xue Xue Biotechnol Bioeng	Exclude Exclude	Yes	-	No	-	-	-	-	-	-
E. Armstrong; C. M.		Heat acclimation and physical training adaptations of young women using different contraceptive			res	-	-	-	-	-	- No	-	-
Bautmans; R. Njemini		Biochemical changes in response to intensive resistance exercise training in the elderly	Gerontology	Exclude	Yes	-	-	-	-	-	No	-	-
Boyer; S. Robitail; D.		[Media and public health: example of heat wave during summer 2003]	Rev Epidemiol Sante Pub		1 es	-	No	-	-	-	-	-	-
K. Day; D. Grimshaw			J R Army Med Corps	Exclude	-	No	INO	-	-	-	-	-	-
Haman; F. Péronnet; (J Physiol	Exclude	Yes	INO	-	-	-	-	-	-	-
Hassi; M. Rytkönen; J			Int J Circumpolar Health	Exclude	Yes								
J. Laing; D. Gwynne;		Salivary IgA response to prolonged exercise in a hot environment in trained cyclists	Eur J Appl Physiol	Exclude	-			-	-	-	No		_
I. Lancaster; Q. Khan			J Physiol	Exclude	Yes	-	-	-	-	-	-		_
F. Leinfelder	2005		Compend Contin Educ De		Yes	-	-	-	-	-	-	-	-
Leppäluoto; T. Pääkkö	onen; 12005		Acta Physiol Scand	Exclude	Yes	-	-	-	-	-	-	-	-
. Low; T. Cable; A. Pu		Exercise thermoregulation and hyperprolactinaemia	Ergonomics	Exclude	-	-	-	-	-	-	No	-	-
Masuda; Y. Koga; M.	Hatta 2005	The effects of repeated thermal therapy for patients with chronic pain	Psychother Psychosom	Exclude	Yes	-	-	-	-	-	-	-	-
. Miyamoto; H. Kai; H	I. Nak; 2005	Safety and efficacy of repeated sauna bathing in patients with chronic systolic heart failure: a prel	J Card Fail	Exclude	-	-	-	-	-	No	-	-	-
. L. Ong; E. Y. Ng	2005	A global bioheat model with self-tuning optimal regulation of body temperature using Hebbian fe	Med Phys	Exclude	Yes	-	-	-	-	-	-	-	-
S. Petrofsky; S. Lee; C	C. Patt 2005	Sweat production during global heating and during isometric exercise in people with diabetes	Med Sci Monit	Exclude	Yes	-	-	-	-	-	-	-	-
Radons; G. Multhoff	2005	Immunostimulatory functions of membrane-bound and exported heat shock protein 70	Exerc Immunol Rev	Exclude	Yes	-	-	-	-	-	-	-	-
P. Russell	2005	PGC-1alpha and exercise: important partners in combating insulin resistance	Curr Diabetes Rev	Exclude	Yes	-	-	-	-	-	-	-	-
. Saat; R. G. Sirisingh	e; R. S 2005	Decay of heat acclimation during exercise in cold and exposure to cold environment	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
. Saat; R. G. Sirisingh	e; R. S 2005	Effects of short-term exercise in the heat on thermoregulation, blood parameters, sweat secretion a			-	No	-	-	-	-	-	-	-
Saat; Y. Tochihara; N	I. Hasl 2005	Effects of exercise in the heat on thermoregulation of Japanese and Malaysian males	J Physiol Anthropol Appl	l Exclude	-	No	-	-	-	-	-	-	-
C. Spetz; K. Ellefsen			Gynecol Obstet Invest	Exclude	Yes	-	-	-	-	-	-	-	-
C. Spreafico; I. Krejc		Clinical performance and marginal adaptation of class II direct and semidirect composite restorati	J Dent	Exclude	Yes	-	-	-	-	-	-	-	-
T. Strachan; J. B. Lei			Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
Thompson; S. Basu-N			Free Radic Res	Exclude	Yes	-	-	-	-	-	-	-	-
G. Vainer	2005	FPA-based infrared thermography as applied to the study of cutaneous perspiration and stimulated		Exclude	-	-	-	-	-	-	No	-	-
3. Valdivia Uría; O. R		[Transurethral resection with saline solution: a technological achievement not yet assimilated by t	-	Exclude	-	-	No	-	-	-	-	-	-
C. Wallace	2005	The mitochondrial genome in human adaptive radiation and disease: on the road to therapeutics at		Exclude	Yes	-	-	-	-	-	-	-	-
Webborn; M. J. Price		Effects of two cooling strategies on thermoregulatory responses of tetraplegic athletes during repe		Exclude	-	-	-	-	-	No	-	-	-
S. Bruce-Low; D. Cot			Aviat Space Environ Med		Yes	-	-	-	-	-	-	-	-
Byrne; J. K. Lee; S. A			Med Sci Sports Exerc	Exclude	-	No	-	-	-	-	-	-	-
N. Cheuvront; R. Car		11 1	Med Sci Sports Exerc	Exclude	- V	-	-	-	-	-	No	-	-
G. Coffey; A. Shield;		Interaction of contractile activity and training history on mRNA abundance in skeletal muscle froi			Yes	-	-	-	-	-	-	-	-
G. Coffey; Z. Zhong;		Early signaling responses to divergent exercise stimuli in skeletal muscle from well-trained humai		Exclude	Yes	-	-	-	-	-	-	-	-
Fernández-de-Las-Pe	,	One-year follow-up of two exercise interventions for the management of patients with ankylosing		Exclude	Yes	-	-	-	-	-	-		-
P. Fischer; N. J. Hisco D. Flouris; S. S. Cher		Vitamin E isoform-specific inhibition of the exercise-induced heat shock protein 72 expression in Influence of body heat content on hand function during prolonged cold exposures	J Appl Physiol (1985) J Appl Physiol (1985)	Exclude Exclude	Yes Yes	-	-	-	-	-	-	-	-

												re temp, and thermal comfort during exercis	or lactate threshold. se.
			Decis	sion Re	eason(s) for inc	clusion/exclus	ion:			r ny norogy daring ex	ereise iti 1., neuri inte, swem inte, co	c temp, and thermal control during exercis	
uthor	Year	Title Journal	Inclu exclu	de or Irr	relevant / off- C		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
D. French; M. Cam	neron; B. 2006	Superficial heat or cold for low back pain Cochrane Databa	se of Sys Exclu	ide Ye	es -	-	-	-	-	-	-	-	-
Girlich; T. Naas; P.	Nordma 2006	Regulation of class D beta-lactamase gene expression in Ralstonia pickettii Microbiology (R	eading) Exclu	ide Ye	es -	-	-	-	-	-	-	-	-
W. Gonzalez; T. E.	Bernard 2006	Maximum sustainable work rate for five protective clothing ensembles with respect to moisture ve J Occup Environ	Hyg Exclu	ide Ye	es -	-	-	-	-	-	-	-	-
R. Gray; G. De Vito	o; M. A. 2006	Skeletal muscle ATP turnover and muscle fiber conduction velocity are elevated at higher muscle Am J Physiol Re	gul Integr Exclu	ıde -	-	-	-	-	-	-	No	-	-
M. Hile; J. M. And	lerson; K 2006	Creatine supplementation and anterior compartment pressure during exercise in the heat in dehydr J Athl Train	Exclu	ide -	-	-	-	-	-	-	No	-	-
Hue; B. Voltaire; C	C. Hertog 2006	Heart rate, thermoregulatory and humoral responses during a 9-day cycle race in a hot and humid Int J Sports Med	Exclu	ide -	N	No	-	-	-	-	-	-	-
M. Joseph; H. Pileg	gaard; A 2006	Control of gene expression and mitochondrial biogenesis in the muscular adaptation to endurance Essays Biochem	Exclu	ide -	N	No	-	-	-	-	-	-	-
Kamijo; H. Nose	2006	Heat illness during working and preventive considerations from body fluid homeostasis Ind Health	Exclu	ıde -	N	No	-	-	-	-	-	-	-
L. Lim; L. T. Mack	cinnon 2006	The roles of exercise-induced immune system disturbances in the pathology of heat stroke : the de Sports Med	Exclu	ide -	N	No	-	-	-	-	-	-	-
Liu; L. Gampert; K.	. Nethin 2006	Response and function of skeletal muscle heat shock protein 70 Front Biosci	Exclu	ide -	N	No	-	-	-	-	-	-	-
Magalhães Fde; C.	A. Macł 2006	Possible biphasic sweating response during short-term heat acclimation protocol for tropical nativ J Physiol Anthrop	ool Exclu	ide -	-	-	-	-	-	-	No	-	-
B. Manukhina; H. F	F. Down 2006	Role of nitric oxide in cardiovascular adaptation to intermittent hypoxia Exp Biol Med (M		ide Ye	es -		-	-	-	-	-	-	-
C. Marshall; R. A. l	Fergusoi 2006	Human resting extracellular heat shock protein 72 concentration decreases during the initial adapt Cell Stress Chape	erones Exclu	ide -	-		-	-	-	-	No	-	-
H. McInnis; W. S. J	Journeay 2006	15 degrees head-down tilt attenuates the postexercise reduction in cutaneous vascular conductance J Appl Physiol (1	985) Exclu	ıde -	-		-	-	-	-	No	-	-
R. Miller; M. D. Pu	iruggana 2006	Molecular population genetics and phenotypic diversification of two populations of the thermoph Appl Environ Mi	crobiol Exclu	ide Ye	es -	-	-	-	-	-	-	-	-
Mündel; J. King; E.	. Collace 2006	Drink temperature influences fluid intake and endurance capacity in men during exercise in a hot, Exp Physiol	Exclu	ide -	-	-	-	-	-	-	No	-	-
Oksa; H. Rintamäki	i; T. Mäk 2006	The effect of training of military skills on performance in cold environment Mil Med	Exclu	ide Ye	es -	-	-	-	-	-	-	-	-
J. Quod; D. T. Mar	rtin; P. B 2006	Cooling athletes before competition in the heat: comparison of techniques and practical consideral Sports Med	Exclu	ide Ye	es -	-	-	-	-	-	-	-	-
tacinais; K. Chama	ari; Y. H. 2006	Effect of an acute hot and dry exposure in moderately warm and humid environment on muscle pe Int J Sports Med	Exclu	ide -	-	-	-	-	-	-	No	-	-
eilly; B. Drust; W.	. Gregso 2006	Thermoregulation in elite athletes Curr Opin Clin N	utr Metal Exclu	ide -	N	No	-	-	-	-	-	-	-
M. Rivera-Brown;	T. W. Rc 2006	Exercise tolerance in a hot and humid climate in heat-acclimatized girls and women Int J Sports Med	Exclu	ide -	-	-	-	-	-	-	No	-	-
L. Sharp	2006	Role of sodium in fluid homeostasis with exercise J Am Coll Nutr	Exclu	ide Ye	es -	-	-	-	-	-	-	-	-
Shibasaki; T. E. Wi	ilson; C. 2006	Neural control and mechanisms of eccrine sweating during heat stress and exercise J Appl Physiol (1	985) Exclu	ide -	N	No	-	-	-	-	-	-	-
A. Taylor	2006	Challenges to temperature regulation when working in hot environments Ind Health	Exclu		N	No	-	-	-	-	-	-	-
Tucker; T. Marle; E	E. V. Lan 2006	The rate of heat storage mediates an anticipatory reduction in exercise intensity during cycling at J Physiol	Exclu		-	-	-	-	-	-	No	-	-
V. Upreti; M. Khura	ana; D. § 2006	Determination of endogenous glycosaminoglycans derived disaccharides in human plasma by HP J Chromatogr B	Analyt Te Exclu	ide Ye	es -	-	-	-	-	-	-	-	-
M. Wallen; D. Gill	lies 2006	Intra-articular steroids and splints/rest for children with juvenile idiopathic arthritis and adults wil Cochrane Databa				-	-	-	-	-	-	-	-
P. Walsh; M. Whith	ham 2006	Exercising in environmental extremes : a greater threat to immune function? Sports Med	Exclu			No	-	-	-	-	-	-	-
L. Weissgerber; L. A	A. Wolfe 2006	Physiological adaptation in early human pregnancy: adaptation to balance maternal-fetal demands Appl Physiol Nu	r Metab Exclu	ide Ye		-	-	-	-	-	-	-	-
E. Wingo; K. J. Cure	eton 2006	Maximal oxygen uptake after attenuation of cardiovascular drift during heat stress Aviat Space Envi	ron Med Exclu	ide -	-	-	-	-	-	-	No	-	-
E. Wingo; K. J. Cure		Body cooling attenuates the decrease in maximal oxygen uptake associated with cardiovascular dt Eur J Appl Physic			-	-	-	-	-	-	No	-	-
W. Yeargin; D. J. Ca	asa; L. F 2006	Heat acclimatization and hydration status of American football players during initial summer worl J Strength Cond	Res Exclu	ide -	N	No	-	-	-	-	-	-	-
E. Armstrong; D. J.		American College of Sports Medicine position stand. Exertional heat illness during training and c Med Sci Sports E				No	-	-	-	-	-	-	-
Bender; G. Nagy; I.	. Barna; 2007	The effect of physical therapy on beta-endorphin levels Eur J Appl Physical therapy on beta-endorphin levels			es -		-	-	-	-		_	
Buguet	2007	Sleep under extreme environments: effects of heat and cold exposure, altitude, hyperbaric pressur J Neurol Sci	Exclu		es -		-	-	-	-		-	
J. Buono; K. D. Ba	all; F. W. 2007	Sodium ion concentration vs. sweat rate relationship in humans J Appl Physiol (1	985) Exclu	ide -			-	-	-	-	No	-	-
J. Busch; K. A. Bar	rber; T. J 2007	Exercise for treating fibromyalgia syndrome Cochrane Databa			es -		-	-	-	-	-	-	
Cecchini; V. LoPre	esti 2007	Drug residues store in the body following cessation of use: impacts on neuroendocrine balance an Med Hypotheses	Exclu	ide Ye	es -		-	-	-	-		-	
K. Chang; C. P. Cha		Oxidative stress and ischemic injuries in heat stroke Prog Brain Res	Exclu			No	-	_	-	_	-		-
Cheung	2007	Neuropsychological determinants of exercise tolerance in the heat Prog Brain Res	Exclu			No		_	-	_	-	-	-
Cleary; D. Ruiz; L.		Dehydration, cramping, and exertional rhabdomyolysis: a case report with suggestions for recover J Sport Rehabil	Exclu			-		-	-	-	No	-	-
E. Coris; S. Walz; J.		Return to activity considerations in a football player predisposed to exertional heat illness: a case J Sport Rehabil	Exclu		N	No		-	-	-	-	-	-
V. Grishin; N. V. U:		The influence of cold on energy expenditure at rest and during exercise in person in the North Alaska Med	Exclu			-		-	-	-	-	_	_
. Hancock; J. M. R		A meta-analysis of performance response under thermal stressors Hum Factors	Exclu			No		_	_	_	-	_	_
Hellsten; J. J. Niels		Antioxidant supplementation enhances the exercise-induced increase in mitochondrial uncoupling Free Radic Biol 1						_	-	_	-	_	_
. Hornery; D. Farn		Caffeine, carbohydrate, and cooling use during prolonged simulated tennis Int J Sports Phys						-	-	-	-	-	-
Horowitz	2007	Heat acclimation and cross-tolerance against novel stressors: genomic-physiological linkage Prog Brain Res	Exclu			No	-	-	-	-	-	-	-
Horowitz; S. D. Ro		Heat shock proteins and the heat shock response during hyperthermia and its modulation by altere Prog Brain Res	Exclu			No	-	-	-	-	-	_	_
ezova; Z. Radikov		Growth hormone response to different consecutive stress stimuli in healthy men: is there any diffe Stress	Exclu			-			-	_	No	-	-
C. Lacerda; F. Grip		Acute heat exposure increases high-intensity performance during sprint cycle exercise Eur J Appl Physic					i i	Ti.		Ti-	No	-	_
Loregian; M. C. Sc		Measurement of ribavirin and evaluation of its stability in human plasma by high-performance liq J Chromatogr B			ne -	_	l.	-Li	-[-	H.	-		-
.ovell; L. Madden;	-	The time-profile of the PBMC HSP70 response to in vitro heat shock appears temperature-depend Amino Acids	Exclu			_	i.	T.	-[Ti-			-
J. Lovell; I. Kirke; .		Soccer half-time strategy influences thermoregulation and endurance performance J Sports Med Phy			-	-	-				No.	-[1
Markovitch; R. M.		The effect of prior exercise on ex vivo induction of heme oxygenase-1 in human lymphocytes Free Radic Res	Exclu		-	-	1	-	-	-	110	-	+
. Montain; S. N. Cl		Sweat mineral-element responses during 7 h of exercise-heat stress Int J Sport Nutr I				- No	-	-	-	-	-	-	+
Mora-Rodriguez; J.		Separate and combined effects of airflow and rehydration during exercise in the heat Med Sci Sports E				INU	-	-	-	-	-	<u>-</u>	-

										**Physiology during or	= time trial, time to exhaustion, race pe	re temp, and thermal comfort during exerci	or factate infestion.
				Decision	Reason(s) for	r inclusion/exclus	ion.			Physiology during ex	ercise – RPE, neart rate, sweat rate, co	re temp, and thermal comfort during exerci-	e.
Author	Year	Title	Journal	Include or exclude?		off-Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
. H. Mortensen; P. Plo		PGC-1beta is downregulated by training in human skeletal muscle: no effect of training twice eve	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
. H. Morton	2007	Contrast water immersion hastens plasma lactate decrease after intense anaerobic exercise	J Sci Med Sport	Exclude	Yes	-	-	-	-	-	-	-	-
Mündel; S. J. Bunn; I		The effects of face cooling during hyperthermic exercise in man: evidence for an integrated therm	Exp Physiol	Exclude	-	-	-	-	-	-	No	-	-
. Murray	2007		J Am Coll Nutr	Exclude	-	No	-	-	-	-	-	-	-
D. Noakes	2007	Hydration in the marathon : using thirst to gauge safe fluid replacement	Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Paulsen; K. Vissing;		Maximal eccentric exercise induces a rapid accumulation of small heat shock proteins on myofibr		Exclude	Yes	-	-	-	-	-	-	-	-
. Qiu; T. H. MacRae	2007	Developmentally regulated synthesis of p8, a stress-associated transcription cofactor, in diapause-		Exclude	Yes	-	-	-	-	-	-	-	-
S. Radaković; J. Mar		[Effect of acclimation on changes in water and electrolyte homeostasis in soldiers during exertion		Exclude	-	No	-	-	-	-	-	-	-
S. Radakovic; J. Mar	.,	Effects of acclimation on cognitive performance in soldiers during exertional heat stress	Mil Med	Exclude	-	-	-	-	-	-	No	-	-
. Rintamäki	2007	Human responses to cold	Alaska Med	Exclude	Yes	-	-	-	-	-	-	-	-
. Rintamäki		Performance and energy expenditure in cold environments	Alaska Med	Exclude	Yes	-	-	-	-	- N.	-	-	-
Rowland; A. Garrison S. Scoon; W. G. Hop		Determinants of endurance exercise capacity in the heat in prepubertal boys Effect of post-exercise sauna bathing on the endurance performance of competitive male runners	Int J Sports Med	Exclude	-	Vac	Vac	Vac	Vac	No Vac	- Vac	- Van	Vac
. S. Scoon; W. G. Hop . L. Sharp	2007 2007		J Am Coll Nutr	Include Exclude	- Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
. M. Shirreffs; D. J. Ca			J Sports Sci	Exclude	Yes	-	-	-	-	-	-	-	-
. Simar; D. Malatesta;		Physical activity modulates heat shock protein-72 expression and limits oxidative damage accum			105		-	-			No	-	-
G Sleivert	2007	Using microtechnology to monitor thermal strain and enhance performance in the field	Int J Sports Physiol Perfo		Yes			-			-		-
A. Sonna; M. N. Saw		Exertional heat illness and human gene expression	Prog Brain Res	Exclude	-	No							-
W. Starnes; R. P. Tayl		Exercise-induced cardioprotection: endogenous mechanisms	Med Sci Sports Exerc	Exclude		No							
Tanaka: K. Ishii: H. S		[Cholinergic urticaria successfully treated by immunotherapy with partially purified sweat antiger		Exclude		-	No						
Vermeulen; J. M. var		Topical silver for treating infected wounds	Cochrane Database of Sy		Yes		-		-	_	_	_	_
M. Watkins; D. J. Ch		Heat shock protein (HSP-72) levels in skeletal muscle following work in heat	Aviat Space Environ Med		-	-	-		-	-	No	-	-
S. Weller; D. M. Lin	nnane; / 2007	Quantification of the decay and re-induction of heat acclimation in dry-heat following 12 and 26 of	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
. Wendt; L. J. van Loo		Thermoregulation during exercise in the heat: strategies for maintaining health and performance		Exclude	-	No	-	-	-	-	-	-	-
Wilk; A. M. Rivera-F	Brown; 2007	Voluntary drinking and hydration in non-acclimatized girls exercising in the heat	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
. Wisløff; A. Støylen;	J. P. L. 2007	Superior cardiovascular effect of aerobic interval training versus moderate continuous training in	Circulation	Exclude	Yes	-	-	-	-	-	-	-	-
C. Wright; P. C. Geig	iger; D. 2007	Calcium induces increases in peroxisome proliferator-activated receptor gamma coactivator-1alph	J Biol Chem	Exclude	Yes	-	-	-	-	-	-	-	-
. A. Wright; P. W. Gra	andjean 2007	The effects of creatine loading on thermoregulation and intermittent sprint exercise performance is	J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-
M. Yamada; F. T. Am	norim; 1 2007	Effect of heat acclimation on heat shock protein 72 and interleukin-10 in humans	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
Yamazaki; T. Ikuta; R	R. Sone 2007	[Modulation of central sudomotor control by short-term heat acclimation as evidenced by frequen	J uoeh	Exclude	-	-	No	-	-	-	-	-	-
Yokoyama; M. Tao; N	N. Kak 2007	Prediction computer program for whole body temperatures and its application under various work		Exclude	Yes	-	-	-	-	-	-	-	-
. Zeng; Y. Yuan; T. Wu			Cochrane Database of Sy		Yes	-	-	-	-	-	-	-	-
I. Zhang; X. Liu; J. Li;			Cochrane Database of Sy		Yes	-	-	-	-	-	-	-	-
	2008	Safety and nutritional assessment of GM plants and derived food and feed: the role of animal feed		Exclude	Yes	-	-	-	-	-	-	-	-
E. Adam; R. Carter,		Hydration effects on cognitive performance during military tasks in temperate and cold environment		Exclude	-	-	-	-	-	-	No	-	-
I. Al-Rimawi; S. Jallad		Sport participation in adolescents with sickle cell disease	Pediatr Endocrinol Rev	Exclude	Yes	-	-	-	-	-	-	-	-
Alasaad; L. Rossi; S.		HotSHOT Plus ThermalSHOCK, a new and efficient technique for preparation of PCR-quality mi		Exclude	Yes	-	-	-	-	-	-	-	-
S. Allard; L. K. Heilb		In vitro cellular adaptations of indicators of longevity in response to treatment with serum collected		Exclude	Yes	-	-	-	-	-	-	-	-
T. Amorim; P. M. Yar		The effect of the rate of heat storage on serum heat shock protein 72 in humans	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Angerer; S. Kadlez-G		Comparison of cardiocirculatory and thermal strain of male firefighters during fire suppression to		Exclude	Yes	-	-	-	-	-	-	-	-
Ansley; G. Marvin; A Ascensão: V. Azeved		The effects of head cooling on endurance and neuroendocrine responses to exercise in warm cond Physiological, biochemical and functional changes induced by a simulated 30 min off-road compe		Exclude	Yes	No	-	-	-	-	-	-	-
. J. Barwood; R. C. Tl			Med Sci Sports Exerc		-	No	-	-	-	-	- No	-	-
A. Burgomaster; K. I		Psychological skills training improves exercise performance in the heat Similar metabolic adaptations during exercise after low volume sprint interval and traditional end		Exclude Exclude	Yes		-		-	-	No		1
N. Cheuvront; T. D. O		Serum S-100beta response to exercise-heat strain before and after acclimation	Med Sci Sports Exerc	Exclude	1 08			-			- No	-	-
N. Cheuvront; D. A.		Impact of a protective vest and spacer garment on exercise-heat strain	Eur J Appl Physiol	Exclude			1.			1.	No		1
D. Chinevere: B. S. C		Efficacy of body ventilation system for reducing strain in warm and hot climates	Eur J Appl Physiol	Exclude	Yes	-	-	_	-	-	-	-	_
D. Chinevere; R. W. I		Effect of heat acclimation on sweat minerals	Med Sci Sports Exerc	Exclude	Yes	_	-	_	-	-	-	-	_
D. Coso; E. Estevez;		Anaerobic performance when rehydrating with water or commercially available sports drinks duri			-	-	-	-	-	-	No	-	-
Dagfinrud; K. B. Ha		Physiotherapy interventions for ankylosing spondylitis	Cochrane Database of Sy		-	No	-	-	-	-	-	-	-
W. DeGroot; W. L. K		Thermal response to running across the Sahara desert: data for three men	Aviat Space Environ Med		-	No	-	-	-	-	-	-	-
Duffield	2008	Cooling interventions for the protection and recovery of exercise performance from exercise-indu		Exclude	-	No	-	-	-	-	-	-	-
Fedorowicz; E. Chan	n Shih - 2008	Interventions for the management of oral submucous fibrosis	Cochrane Database of Sy		Yes	-	-	-	-	-	-	-	-
D. Flouris; D. A. We	estwood 2008	Effect of body temperature on cold induced vasodilation	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
. Folkesson; A. L. Ma	ackey; 12008	Immunohistochemical changes in the expression of HSP27 in exercised human vastus lateralis mu	Acta Physiol (Oxf)	Exclude	Yes	-	-	-	-	-	-	-	-
	nompsoi 2008	The effects of contrast bathing and compression therapy on muscular performance	Med Sci Sports Exerc	Exclude	Yes	-	-	_	-	-	-	_	1.

										**Physiology during ov	ercise = RPE, heart rate sweat rate on	re temp, and thermal comfort during exercis	or lactate threshold. se.
				Decision	Reason(s) for	inclusion/exclus	ion:			Thysiology daring ca	create integration, awaii integration	c temp, and thermal control during exercis	
Luthor	Year	Title	Journal	Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
Ftaiti; M. Jemni; A.	Kacem; 2008	Effect of hyperthermia and physical activity on circulating growth hormone	Appl Physiol Nutr Metab	Exclude	-	-	-	-	-	-	No	-	-
. J. Gibala; S. L. Mc	:Gee 2008	Metabolic adaptations to short-term high-intensity interval training: a little pain for a lot of gain?	Exerc Sport Sci Rev	Exclude	Yes	-	-	-	-	-	-	-	-
L. Gilbert; K. A. Ste	okes; G. 2008	Growth hormone responses to 3 different exercise bouts in 18- to 25- and 40- to 50-year-old men	Appl Physiol Nutr Metab	Exclude	Yes	-	-	-	-	-	-	-	-
M. Gosling; B. J. G	iabbe; J. 2008	The incidence of heat casualties in sprint triathlon: the tale of two Melbourne race events	J Sci Med Sport	Exclude	-	No	-	-	-	-	-	-	-
Graham; A. Gross;	C. H. G 2008	Mechanical traction for neck pain with or without radiculopathy	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
R. Gray; K. Söderlu	ınd; R. A 2008	ATP and phosphocreatine utilization in single human muscle fibres during the development of ma		Exclude	Yes	-	-	-	-	-	-	-	-
J. Green; E. Bomba	ardier; T. 2008	Metabolic, enzymatic, and transporter responses in human muscle during three consecutive days of	Am J Physiol Regul Integ	Exclude	-	-	-	-	-	-	No	-	-
. Hadid; R. Yanovich	ı; T. Erli 2008	Effect of a personal ambient ventilation system on physiological strain during heat stress wearing	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
. Hargreaves	2008	Physiological limits to exercise performance in the heat	J Sci Med Sport	Exclude	-	No	-	-	-	-	-	-	-
A. Judelson; C. M.	Maresh; 2008	Effect of hydration state on resistance exercise-induced endocrine markers of anabolism, catabolis	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
Jung; P. Strauss; H.	J. Lindi 2008	Influence of moderate cycling on scrotal temperature	Int J Androl	Exclude	Yes	-	-	-	-	-	-	-	-
Kampmann; P. Bröc	de; M. S 2008	Lowering of resting core temperature during acclimation is influenced by exercise stimulus	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
C. Kayani; J. P. Mo	orton; A. 2008	The exercise-induced stress response in skeletal muscle: failure during aging	Appl Physiol Nutr Metab	Exclude	-	No	-	-	-	-	-	-	-
W. Kenefick; A. St	Pierre; 1 2008	Effect of increased plasma osmolality on cold-induced thirst attenuation	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Khomenok; A. H	Hadid; O 2008	Hand immersion in cold water alleviating physiological strain and increasing tolerance to uncomp	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
M. Laing; S. T. Sim	ns; C. A. 2008	Differences in wearer response to garments for outdoor activity	Ergonomics	Exclude	Yes	-	-	-	-	-	-	-	-
P. Lambert	2008	Intestinal barrier dysfunction, endotoxemia, and gastrointestinal symptoms: the 'canary in the coal	Med Sport Sci	Exclude	-	No	-	-	-	-	-	-	-
L. Lim; C. Byrne; J	f. K. Lee 2008	Human thermoregulation and measurement of body temperature in exercise and clinical settings	Ann Acad Med Singap	Exclude	-	No	-	-	-	-	-	-	-
Lovell; L. Madden;	L. R. N 2008	Effects of active and passive hyperthermia on heat shock protein 70 (HSP70)	Amino Acids	Exclude	-	-	-	-	-	-	No	-	-
A. Lumini; J. Magal	lhães; P. 2008	Beneficial effects of exercise on muscle mitochondrial function in diabetes mellitus	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
A. Machado-Moreii	ra; F. Wi 2008	Local differences in sweat secretion from the head during rest and exercise in the heat	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
J. Mahoney; A. Safe	dar; G. 12008	Gene expression profiling in human skeletal muscle during recovery from eccentric exercise	Am J Physiol Regul Integ	Exclude	Yes	-	-	-	-	-	-	-	-
E. Marino	2008	Comparative thermoregulation and the quest for athletic supremacy	Med Sport Sci	Exclude	-	No	-	-	-	-	-	-	-
E. Marino	2008	The evolutionary basis of thermoregulation and exercise performance	Med Sport Sci	Exclude	-	No	-	-	-	-	-	-	-
P. McClung; J. D. H.	lasday; J 2008	Exercise-heat acclimation in humans alters baseline levels and ex vivo heat inducibility of HSP72	Am J Physiol Regul Integ	Exclude	-	-	-	-	-	-	No	-	-
L. Merry; P. N. Ains	slie; R. \2008	Fitness alters fluid regulatory but not behavioural responses to hypohydrated exercise	Physiol Behav	Exclude	Yes	-	-	-	-	-	-	-	-
J. Milne; E. G. Nob	ole 2008	Response of the myocardium to exercise: sex-specific regulation of hsp70	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Mora-Rodriguez; J.	Del Co 2008	Thermoregulatory responses to constant versus variable-intensity exercise in the heat	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
P. Morton; D. P. Mac	claren; 1 2008	Trained men display increased basal heat shock protein content of skeletal muscle	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
Mugford; D. Elbou	ırne; D. 2008	Extracorporeal membrane oxygenation for severe respiratory failure in newborn infants	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Mündel	2008	Exercise heat stress and metabolism	Med Sport Sci	Exclude	-	No	-	-	-	-	-	-	-
D. Nelson; L. A. St	tuart-Hil 2008	Hypervolemia and blood alkalinity: effect on physiological strain in a warm environment	Int J Sports Physiol Perfor	Exclude	Yes	-	-	-	-	-	-	-	-
Newell; J. Newell;	S. Gran 2008	Fluid and electrolyte balance in elite gaelic football players	Ir Med J	Exclude	Yes	-	-	-	-	-	-	-	-
H. Noweir; A. O. B	Bafail; I. 2008	Study of heat exposure during Hajj (pilgrimage)	Environ Monit Assess	Exclude	Yes	-	-	-	-	-	-	-	-
Panossian; G. Wikn		Pharmacology of Schisandra chinensis Bail.: an overview of Russian research and uses in medicin		Exclude	Yes	-	-	-	-	-	-	-	-
Papadopoulos; J. De	oyle; J. 2008	The effect of the hypohydration on the lactate threshold in a hot and humid environment	J Sports Med Phys Fitness		-	-	-	-	-	-	No	-	-
Philippova; D. Ivar	nov; M. 2008	Identification of proteins associating with glycosylphosphatidylinositol- anchored T-cadherin on t	Mol Cell Biol	Exclude	Yes	-	-	-	-	-	-	-	-
J. Quod; D. T. Mart	tin; P. B 2008		J Sports Sci	Exclude	Yes	-	-	-	-	-	-	-	-
E. Rae; G. J. Knobe	el; T. Ma 2008	Heatstroke during endurance exercise: is there evidence for excessive endothermy?	Med Sci Sports Exerc	Exclude	-	No	-	-	-	-	-	-	-
M. Rivera-Brown; I	F. A. Ra 2008	-	Eur J Appl Physiol	Exclude	-	-	-	-	-	No	-	-	-
S. Röckl; C. A. Wit	tczak; L. 2008		IUBMB Life	Exclude	Yes	-	-	-	-	-	-	-	-
Romeo; D. Jiménez-	-Pavón; 2008		J Physiol Biochem	Exclude	-	-	-	-	-	-	No	-	-
M. Rossi; W. Bolli;	R. Stän 2008	Performance of firefighters' protective clothing after heat exposure	Int J Occup Saf Ergon	Exclude	-	-	-	-	-	-	No	_	-
Rothmaier; M. Wed		Design and performance of personal cooling garments based on three-layer laminates	Med Biol Eng Comput	Exclude	Yes	_	-	_	-	-	-		_
Rowland; S. Hagenl		Exercise tolerance and thermoregulatory responses during cycling in boys and men	Med Sci Sports Exerc	Exclude	-	_	-	_	-	-	No		-
E. Sandström; J. C.		The effect of 15 consecutive days of heat-exercise acclimation on heat shock protein 70		Exclude	-	No	-	-	-	-	-	-	-
Saxton; I. Zwiers	-	· · · · · · · · · · · · · · · · · · ·	Eur J Vasc Endovasc Surg		Yes	-	-	-	-	-	-	-	-
A. Shein; N. Grigor	,	Differential neuroprotective properties of endogenous and exogenous erythropoietin in a mouse m		Exclude	Yes	-		-	-	-	-	-	-
A. Shevchuk	2008	Hydrotherapy as a possible neuroleptic and sedative treatment	Med Hypotheses	Exclude	Yes	-	-	-	_	_	-	_	_
E. Simmons; T. Müi		The effects of passive heating and head-cooling on perception of exercise in the heat	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Sunderland; J. G. M		A heat acclimation protocol for team sports	Br J Sports Med	Exclude	-	-	-	-	-	-	No		-
A. Thambirajah; K.		Differential heat shock protein responses to strenuous standardized exercise in chronic fatigue syr		Exclude	Yes	-	-	-	-	-	-	_	-
Toko; T. Minamino:	-	Role of heat shock transcriptional factor 1 and heat shock proteins in cardiac hypertrophy		Exclude	Yes			_	-	_			_
Umehara; A. Yama		Repeated waon therapy improves pulmonary hypertension during exercise in patients with severe		Exclude	Yes	-[i i	T.		Ti-			-
Vaile; S. Halson; N.	-	Effect of hydrotherapy on recovery from fatigue	Int J Sports Med	Include	105	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
/aile; S. Halson; N.		Effect of hydrotherapy on the signs and symptoms of delayed onset muscle soreness	Eur J Appl Physiol	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Y. Xie; B. Guo; J. Li; G. Ku; I. 2008 Adapti Y. Xie; L. Wang; J. He; T. Wu 2008 Acupu L. M. Yamamoto; D. A. Judels 2008 W. K. Yeo; C. D. Paton; A. P. (2008 W. K. Yeo; C. D. Paton; A. P. (2008 W. K. Yeo; C. D. Paton; A. P. (2008 W. Z. Mu, M. Proctor; A. Benso; 2008 C. R. Abbiss; P. B. Laursen J. Alametsa; A. Vārri; J. Viik; 2009 J. A. Basford; J. K. Ch; T. G. /2009 J. B. Basford; J. K. Ch; T. G. /2009 J. B. Basford; J. K. Ch; T. G. /2009 J. B. Basford; J. K. Ch; T. G. /2009 J. J. Bonon; T. R. Numan; R. 2009 J. J. Bonon; T. R. Numan; R. 2009 J. G. Chekov Iu J. G. Burniston J. E. E. Coris; S. Mehra; S. M. W 2009 J. J. E. E. Coris; S. Mehra; S. M. W 2009 J. J. C. L. G. J. E. 2009 J. J. G. L. Chamos; M. W 2009 J. J. G. L. G. J. E. 2009 J. J. G. J. E. G. S. S. W. W 2009 J. J. G. L. G. J. E. 2009 J. J. G. S. S. S. S. S. W. W 2009 J. J. G. S. S. S. S. S. S. Weller, S. M. W 2009 J. J. G. J. B. G. J. E. 2009 J. J. G. S. S. S. S. Weller, S. M. W 2009 J. J. G. J. B. G. J. E. 2009 J. J. G. Cories; B. J. G. S. S. W. W 2009 J. J. G. J. B. G. J. G. W. W 2009 J. J. G. J. B. G. J. G. W. W 2009 J. J. G. G. S. S. S. Weller, J. W. W. W 2009 J. J. G. G. S. S. S. Weller, J. W. W. W. W. W. Pespo, C. J. Edmonds; B. J. Gless J. G. J. Homolos; J. G. 2009 J. J. G. G. G. S. S. S. Weller, J. W. W. W. W. W. W. Pespo, D. C. S. G. S. W. W. W. W. W. W. W. W. Pespo, D. C. G. G. G. W.	leat acclimation of an adult female with a large surface area of grafted skin adaptive and robust methods of reconstruction (ARMOR) for thermoacoustic tomography acupuncture for dysphagia in acute stroke	J Burn Care Res	Decision Include or exclude?		r inclusion/exclus ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?		≥30-mins of at least moderate-intensity	A control group completing the same daily	Outcomes measuring
I. E. Wingo; D. A. Low; D. M. 2008 Y. Xie; B. Guo; J. Li; G. Ku; I. 2008 Adapti Y. Xie; L. Wang; J. He; T. Wu 2008 A. W. Yamamoto; D. A. Judels 2008 W. K. Yeo; C. D. Paton; A. P. (2008 W. K. Yeo; C. D. Paton; A. P. (2008 W. K. Yeo; C. D. Paton; A. P. (2008 W. K. Yeo; C. D. Paton; A. P. (2008 W. Zhui, M. Proctor, A. Benso; 2008 C. R. Abbiss; P. B. Laursen 2009 Do ch. A. J. Calmetts; A. Varri, J. Viik; 2009 Ballist W. Ament; G. J. Verkerke 2009 W. J. Barwood; P. S. Newton; 2009 M. F. Bergeron M. J. Barwood; P. S. Newton; 2009 M. F. Bergeron, M. D. Laird; 12009 M. G. Gurmiston 1. G. Burmiston 2009 M. G. Coffey; B. Jemiolo; J. E. 2009 W. G. Coffey; B. Jemiolo; J. E. 2009 W. G. Coffey; B. Jemiolo; J. E. 2009 M. Del Sa; E. Estevez; R. M. 2009 M. Del Sa; E. Barbier; P. Gar 2009 M. Del Sa; E. Barbier; P. 2009 M. D. Ferrer; P. Tauler; A. Sur 2009 A. T. Garrett; N. G. Goosens; 2009 M. D. Ferrer; P. Tauler; A. Sur 2009 A. T. Garrett; N. G. Goosens; 2009 M. D. Germonprè; J. M. Pontier; E2009 Pre-dir P. G. Gillison; S. M. Skevingt; 2009 The per M. Hedreville, P. Connes; M. 12009 A. H. Garritt, B. C. Madi; I. M. 12009 M. H. Hodson; E. L. Clapp; P. 2009 M. H. Hodroville, P. Connes; M. 12009 A. R. M. Hobson; E. L. Clapp; P. 2009 J. A. Kenny, S. Firm; J. G. Kacerovsky-Bielesz; M. C. 2009 J. Jamirtzky, B. Tinz J. G. Kacerovsky-Bielesz; M. C. 2009 J. R. Kallinich, R. Keitzer; E. Pu 2009 A. N. Kavazis 2009 A. C. Leunay, G. Savourey Doug Cold a. C	leat acclimation of an adult female with a large surface area of grafted skin adaptive and robust methods of reconstruction (ARMOR) for thermoacoustic tomography exupuncture for dysphagia in acute stroke Effects of hydration state and resistance exercise on markers of muscle damage	J Burn Care Res	Include or exclude?	Irrelevant / of	ff- Controlled	English						
X. Xie; B. Guo; J. Li; G. Ku; I. 2008 Adapti Y. Xie; L. Wang; J. He; T. Wu 2008 Acupu M. Yamamoto; D. A. Judels 2008 Effects W. K. Yeo; C. D. Paton; A. P. (2008 W. K. Yeo; C. D. Paton; A. P. (2008 W. Z. Mu, M. Proctor; A. Benso; 2008 C. L. Zouhal; C. Jacob; P. Delam 2008 C. A. Louhal; C. Jacob; P. Delam 2008 C. A. Louhal; C. Jacob; P. Delam 2008 C. A. Louhal; C. Jacob; P. Delam 2008 C. A. Albiss; P. B. Laursen D. Q. De, Ch. J. Alametsi; A. Varri; J. Viik; 2009 Ballist W. Ament; G. J. Verkerke D. De, C. Server, C. 2009 W. Ament; G. J. Verkerke D. Server, C. 2009 V. G. L. Bassford; J. K. Oh; T. G. 72009 A. E. Beaudin; M. E. Clegg; N. 2009 M. J. Barvood; P. S. Newton; 2009 M. J. Baronod; P. No, T. G. 72009 M. J. Buono; T. R. Numan; R. 2009 I. N. Board; S. Brunskill; C. I. 2009 M. J. Buono; T. R. Numan; R. 2009 M. G. Coffey; B. Jemiolo; J. E. 2009 M. G. Coffey; B. Jemiolo; J. E. 2009 M. Del Sal; E. Barbieri; P. Gar 2009 M. Del Sal; E. Barbieri; P. Gar 2009 M. D. El Coso; E. Estevez; R. M. 2009 M. D. El Coso; E. Estevez; R. M. 2009 M. D. G. A. Dougherty; M. Chow; W. 2009 M. D. G. Gorge, S. M. Stevingt; 2009 M. D. G. Gorge, S. M. Skevingt; 2009 M. D. G. Grant; A. Bensoussan; D. 2009 M. D. Grant; A. Bensoussan; D. 2009 M. S. Harkins M. Harkins M. S. Harkins M	Adaptive and robust methods of reconstruction (ARMOR) for thermoacoustic tomography Acupuncture for dysphagia in acute stroke Effects of hydration state and resistance exercise on markers of muscle damage								≥18 years of age?	exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	exercise but without post- exercise heat exposure?	endurance exercise performance/capacit or physiology during exercise**?
Xie; L. Wang; J. He; T. Wu 2008 Acupu M. Yannamoto; D. A. Judels 2008 Effects K. Yeo; C. D. Paton; A. P. (2008 Skelett Zhu; M. Porctor; A. Benso; 2008 Chinese Candidate Color of the Color	ccupuncture for dysphagia in acute stroke Effects of hydration state and resistance exercise on markers of muscle damage	IEEE Trans Biomed Eng	Exclude	-	No	-	-	-	-	-	-	-
M. Yamamoto; D. A. Judels 2008 K. Yeo; C. D. Paton; A. P. (2008 K. Yeo; C. D. Paton; A. P. (2008 Catacter Law, M. Proctor, A. Bensot 2008 Catacter R. Abbiss; P. B. Laursen 2009 Do cha Alametsa; A. Värri; J. Viik; 2009 Ballist Ament; G. J. Verkerke 2009 Safety, J. Barwood; P. S. Newton; 2009 Ventila R. Basford, J. K. Oh; T. G. / 2009 Safety, E. Beaudin; M. E. Clegg; N. 2009 Adapti F. Bergeron 2009 Young F. Bergeron, M. D. Laird, J. 2009 Proces J. Baurok, S. Brunskill; C. T. 2009 N. Board; S. Brunskill; C. T. 2009 N. Board; S. Brunskill; C. T. 2009 G. Burniston Chekov Iu 2009 G. Offey; B. Jemiolo; J. E. 2009 G. Coffey; B. Jemiolo; J. E. 2009 G. Coffey; B. Jemiolo; J. E. 2009 G. Del Coso; E. Estevez; R. M. 2009 Del Coso; E. Estevez; R. M. 2009 A. Dougherty, M. Chow, W. 2009 J. Edmonds; B. Jeffes Does I. D. Ferrer, P. Fauler, A. Sur 2009 A. Dougherty, M. Chow, W. 2009 J. Edmonds; B. Jeffes Does I. D. Ferrer, P. Tauler, A. Sur 2009 A. Does In Garrett, N. G. Goosens, 2009 Induct Germonpré; J. M. Pontier, E 2009 J. Grant, A. Bensoussan, D. 2009 C. Guess; J. R. Strub, N. 8td 2009 J. Grant, A. Bensoussan, D. 2009 C. Guess; J. R. Strub, N. 8td 2009 J. Grant, B. C. Madi; I. M. 2009 J. Grant, B. Ensopier, P. 2009 J. G. Hederwille; P. Connes; M. 12009 L. Hedreville; P. Connes; M. 12009 J. Grant, B. C. Madi; I. M. 12009 J. Grant, S. Brantsins L. Hwang; T. P. Lin; C. P. C. 2009 Jay; G. P. Kenny Jondricky, B. Finz Jones C. Acerosyky-Bielesz, M. C. 12009 Short-Kaalinich; R. Keitzer, E. Pu 2009 N. Kaerinsky-Bielesz, M. C. 12009 Prior h. A. Kenny, J. S. Warland, R. 2009 Prior h. A. Kenny, J. S. Warland, R. 20	effects of hydration state and resistance exercise on markers of muscle damage		Exclude	Yes	-	-	-	-	-	-	-	-
K. Yeo; C. D. Paton; A. P. (2008 Skelett Zhu, M. Proctor; A. Bensot 2008 Chines Zouhal; C. Jacob; P. Delam 2008 Catech R. Abbiss; P. B. Laursen 2009 Do chi. Almentsa; A. Varri; J. Vilk; 2009 Ballist Ament, G. J. Verkerke 2009 Serci J. Barwood; P. S. Newton; 2009 Vential R. Basford; J. K. Oh; T. G. / 2009 Safety, E. Beaudin; M. E. Clegg; N. 2009 Adapti R. Basford; J. K. Oh; T. G. / 2009 Adapti R. Basford; J. K. Oh; T. G. / 2009 Adapti R. Basford; J. K. Oh; T. G. / 2009 Adapti R. Bergeron 2009 Adapti F. Bergeron; M. D. Laird; 12009 Proces J. Buono; T. R. Numan; R. 2009 Life's S. Cheng; Y. Yuan; Z. Li; P. 2009 Adapti Chekov lu 2009 Life's S. Cheng; Y. Yuan; Z. Li; P. 2009 The pe G. Coffey; B. Jemiolo; J. E. 2009 Effect E. Coris; S. Mehra; S. M. W. 2009 Caffeii Del Sal; E. Barbieri; P. Gar 2009 Physic A. Dougherty; M. Chow; W. 2009 Respondent D. El Sal; E. Barbieri; P. Gar 2009 Antion T. Garrett; N. G. Goosens; 2009 Antion T. Garrett; N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier; F. 2009 Pre-dit B. Gillison; S. M. Skevingt 2009 Chines C. Gues; J. R. Strub; N. St. 2009 All-ce S. Harkins 2009 Exerci Hedreville; P. Connes; M. 2009 Centra M. Hobson; E. L. Clapp; P. 2009 Exerci Hedreville; P. Connes; M. 2009 Centra M. Hobson; E. L. Clapp; P. 2009 Exerci Horvath; B. C. Madi; I. M. 2009 Investi L. Huwang; T. P. Lin; C. P. C. 2009 Jay; G. P. Kenny 2009 Currer N. Kavazis 2009 Exerci N. Kavazis 2009 Exerci N. Kaerick; B. R. Ely, S. 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Prior h C. Launay; G. Savourey 2009 Cold a		Cochrane Database of Sys	s Exclude	Yes	-	-	-	-	-	-	-	-
Zhu, M. Proctor, A. Bensot 2008 Chines	keletal muscle adaptation and performance responses to once a day versus twice every second da	J Strength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
Zouhal; C. Jacob; P. Delam 2008 Catech R. Abbiss, P. B. Laursen 2009 Do ch. Alametsa; A. Varri; J. Viik; 2009 Ballist Ament, G. J. Verkerke 2009 Sereic J. J. Barvood; P. S. Newton; 2009 Ventil Ament, G. J. Verkerke 2009 Safety, J. Barvood; P. S. Newton; 2009 Ventil R. Basford; J. K. Oh; T. G. J. 2009 Safety, E. Beaudin, M. E. Clegg; N. 2009 Adapty L. F. Bergeron, M. D. Laird; 12009 Repeat N. Board; S. Brunskill; C. I. 2009 Process J. Buono; T. R. Numan; R. 2009 Life s G. Burniston 2009 Life s C. S. Cheng; Y. Yuan; Z. Li; P. 2009 Effect E. Coris; S. Mehra; S. M. W. 2009 G. Soffey; B. Jemiolo; J. E. 2009 Effect E. Coris; S. Mehra; S. M. W. 2009 Lol Coso; E. Estevez; R. M. 2009 Antion 2009 Life s G. Del Coso; E. Estevez; R. M. 2009 Process J. Edmonds; B. Jeffes 2009 Does I D. Derrer; P. Tauler; A. Sur 2009 Antion 300; T. Garrett; N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier; E. 2009 Predit B. Gillison; S. M. Skevingt 2009 Antion 310; G. Guess; J. R. Strub; N. Sta 2009 All-ce L. S. Harkins 2009 Exerci Horvarh; B. C. Mad; In M. 2009 Exerci Horvarh; B. C. Mad; In M. 2009 Interv. L. Hwang; T. Hir, C. P. C. 2009 Interv. L. Hwang; T. Hir, C. P. C. 2009 Interv. L. Hwang; T. H. C. P. C. 2009 Interv. L. Hwang; T. R. Strub; N. St. 2009 Central M. Hobson; E. L. Clapp; P. 2009 Exerci M. Kacerowsky-Bielesz, M. C. 2009 Interv. L. Hwang; T. S. S. Warland; R. 2009 Exerci N. Kaurazis 2009 Exerci N. Kavazis 2009 Prior h. A. Kenny; J. S. Warland; R. 2009 Prior h. A. Kenny; J. S. Warland; R. 2009 Prior h. A. Kenny; J. S. Warland; R. 2009 Prior h. A. Kenny; J. S. Warland; R. 2009 Prior h. A. Kenny; J. S. Warland; R. 2009 Prior h. A. Kenny; J. S. Warland; R. 2009 Prior h. C. Launay; G. Savourey 2009 Cold a			Exclude	Yes	-	-	-	-	-	-	-	-
R. Abbiss; P. B. Laursen 2009 Do chu Alametsi; A. Vairi; J. Viik; 2009 Ballist Amentsi; A. Vairi; J. Viik; 2009 Exerci J. J. Barwood; P. S. Newton; 2009 Ventitid R. Basford; J. K. Oh; T. G. / 2009 Safety, E. Beaudin; M. E. Clegg; N. 2009 Adapti E. Bergeron 2009 Youth R. Basford; J. K. Oh; T. G. / 2009 Youth P. E. Bergeron M. D. Laird; 12009 Repeas N. Board; S. Brunskill; C. I. 2009 Process S. Cheng; Y. Yuan; Z. Li; P. 2009 Life's S. Cheng; Y. Yuan; Z. Li; P. 2009 Free C. Coffey; B. Jemiolo; J. E. 2009 Effect E. Coris; S. Mehra; S. M. W2009 Gastrot Del Coso; E. Estevez; R. M. 2009 Caffei D. Del Sal; E. Barbieri; P. Gar 2009 Physic A. Dougherty; M. Chow; W2009 Respondent, S. Beffes 2009 Does I. D. Ferrer; P. Tauler; A. Sur 2009 Antion T. Garrett; N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier; E. 2009 Predi B. Gillison; S. M. Skevingt 2009 The eff B. Glilson; S. M. Skevingt 2009 Predi B. Gillison; S. M. Skevingt 2009 Predi B. Gillison; S. M. Skevingt 2009 Predi B. Gillison; S. M. Skevingt 2009 Exerci Horvath; B. C. Madi; I. M. 2009 Centra M. Hobson; E. L. Clapp; P. 2009 Exerci Horvath; B. C. Madi; I. M. 2009 Investi Jay; G. P. Kenny 2009 Currer Lacerovsky-Bielesz; M. C. 2009 Exerci N. Kaerowsky-Bielesz; M. C. 2009 Exerci N. Kaerick, B. R. Ely; S. 2009 Prior h. A. Kenny; J. S. Warland; R. 2009 Prior h. A. Kenny; J. S. Warland; R. 2009 Prior h. A. Kenny; J. S. Warland; R. 2009 Prior h. C. Launay; G. Savourey 2009 Cold a	Chinese herbal medicine for primary dysmenorrhoea			Yes	-	-	-	-	-	-	-	-
Alametsă; A. Varri; J. Viik; 2009 Ballist Ament; G. J. Verkerke 2009 Exerci J. Barwood; P. S. Newton; 2009 Ventili R. Basford; J. K. Oh; T. G. / 2009 Safety. E. Beaudin; M. E. Clegg; N 2009 Adapt; E. Bergeron 2009 Youth F. Bergeron; M. D. Laird; 12009 Proces N. Board; S. Brunskill; C. I. 2009 Proces S. Cheng; Y. Yuan; Z. Li; P. 2009 Liftés S. Cheng; Y. Yuan; Z. Li; P. 2009 Proces S. Cheng; Y. Yuan; Z. Li; P. 2009 Proces S. Cheng; Y. Yuan; Z. Li; P. 2009 Proces S. Cheng; Y. Yuan; S. M. 2009 Gastro Del Closo; E. Estevez; R. M. 2009 Gastro Del Coso; E. Estevez; R. M. 2009 Proces N. D. Estevez; R. M. 2009 Proces N. J. Edmonds; B. Jeffes 2009 Does S. D. Ferrer; P. Tauler; A. Sur 2009 Antioo T. Garrett; N. G. Goosens; 2009 Induct Germonpré, J. M. Pontier; F. 2009 Proceding B. Gillison; S. M. Skevingt 2009 Proceding B. Gillison; S. M. Skevingt 2009 Proceding Hedrevülle; P. Connes; M. 2009 Exerci M. Hobson; E. L. Clapp, P. 2009 Exerci M. Racerowsky-Bielesz, M. Ct. 2009 Short-Kallinich; R. Keitzer, E. Pu 2009 Exerci N. Kavazis 2009 Exerci N. Kavazis 2009 Prior h. A. Kenny; J. S. Warland, R. 2009 Prior h. C. Lunnay; G. Savourey 2009 Cold a	Catecholamines and the effects of exercise, training and gender	Sports Med	Exclude	-	No	<u>-</u>	-	-	-	-	-	-
Ament, G. J. Verkerke 2009 Exerci J. Barwood, P. S. Newton, 2009 Ventili R. Basford, J. K. Oh, T. G. J. 2009 Safety, E. Beaudin, M. E. Clegg, P. 2009 Adapti F. Bergeron, M. D. Laird, 12009 Repea N. Board, S. Brunskill, C. I. 2009 Youth F. Bergeron, M. D. Laird, 12009 Repea J. Buono, T. R. Numan, R. 2009 Is active J. Buono, T. R. Numan, R. 2009 Is active J. Buono, T. R. Numan, R. 2009 Safety J. Buono, T. R. Numan, R. 2009 Life s S. Cheng, Y. Yuan, Z. Li, P. 2009 Effect G. Guriston Extra 2009 Effect E. Coris, S. Mehra, S. M. 2009 Gastro Del Coso, E. Estevez, R. M. 2009 Caffei Del Sal, E. Barbieri, P. Gal 2009 Physic D. J. Edmonds, B. Jeffes 2009 Does I D. J. Edmonds, B. Jeffes 2009 Does I D. Ferrer, P. Tauler, A. Sur 2009 Antion J. Garrett, N. G. Goosens, 2009 Induct Germonpré, J. M. Pontier, E 2009 Pre-dir J. Girant, A. Bensoussan, D. 2009 Chines J. Grant, A. Bensoussan, D. 2009 Chines J. Grant, B. C. Madi, I. M. 2009 All-ce J. Grant, B. C. Madi, I. M. 2009 Livesti Hedreville, P. Connes; M. 2009 Centra M. Hobson, E. L. Clapp, P. 2009 Exerci J. Horn, B. C. Madi, I. M. 2009 Interval. J. Hwang, T. P. Lin, C. P. C. 2009 Interval. J. Hwang, T. P. Lin, C. P. C. 2009 Interval. J. Hwang, T. P. Lin, C. P. C. 2009 Interval. J. Hwang, T. P. Lin, C. P. C. 2009 Interval. J. Hwang, T. P. Lin, C. P. C. 2009 Interval. J. Hwang, T. P. Lin, C. P. C. 2009 Interval. J. Hwang, T. P. Lin, C. P. C. 2009 Interval. J. Hwang, T. P. Lin, C. P. C. 2009 Interval. J. Hwang, T. P. Lin, C. P. C. 2009 Interval. J. Henderville, P. Connes; M. 2009 Centra J. A. Kaerovsky-Bielesz, M. C. 2009 Short-Kaelminsh, R. Keitzer, E. Pu 2009 Exerci N. Kaeronsky-Bielesz, M. C. 2009 Prior h A. Kenny, J. S. Warland, R. 2009 Prior h A. Kenny, J. S. Warland, R. 2009 Prior h		J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
J. Barwood; P. S. Newton; 2009 Ventila R. Basford, J. K. Oh; T. G. / 2009 Safety, E. Beaudin; M. E. Clegg; N. 2009 Adapti F. Bergeron 2009 Youth F. Bergeron; M. D. Laird; J. 2009 Repeat N. Board; S. Brunskill; C. T. 2009 Proces J. Burniston 2009 Adapti G. Burniston 2009 Adapti G. Burniston 2009 Adapti Chekov Iu 2009 Life s G. Cheige; P. J. 2009 The pe G. Coffley; B. Jemiolo; J. E. 2009 Effect E. Coris; S. Mehra; S. M. V. 2009 Gastro Del Coso; E. Estevez; R. M. 2009 Caffeit Del Coso; E. Estevez; R. M. 2009 Adapti D. Del Sal; E. Barbieri; P. Gar 2009 Physis A. Dougherty; M. Chow; W. 2009 Does I D. Edmonds; B. Jeffes 2009 Does I D. Ferrer, P. Tauler, A. Sur 2009 J. Edmonds; B. Jeffes 2009 Hostor G. Grarett, N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier, E 2009 Pre-dir B. Gillison; S. M. Skevingté 2009 The pe J. Grant, A. Bensoussan; D. 2009 Chines G. Guess; J. R. Strub; N. Std 2009 All-co C. Guess; J. R. Strub; N. Std 2009 All-co C. Guess; J. R. Strub; N. Std 2009 Lexerci Hedreville; P. Connes; M. 2009 Exerci Herderville; P. Connes; M. 2009 Interv L. Hwang; T. P. Lin; C. P. 2009 Interv L. Hwang; T. P. Lin; C. Q. 2009 Interv L. Hwang; T. P. Lin; C. 2009 Short- Kacerovsky-Bielesz; M. Cl 2009 Short- Kacerovsky-Bielesz; M. Cl 2009 Short- Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Prior I A. Kenny; J. S. Wardand, R. 2009 Prior I	Ballistocardiogaphic studies with acceleration and electromechanical film sensors	Med Eng Phys	Exclude	Yes	-	-	-	-	-	-	-	-
R. Basford, J. K. Oh, T. G. / 2009 Safety, E. Beaudin; M. E. Clegg; N 2009 Adapti. F. Bergeron P. Bergeron J. Bunon; M. D. Laird; 12009 N. Board; S. Brunskill; C. I 2009 Adapti Chekov Iu 2009 Adapti Chekov Iu 2009 Adapti Chekov Iu 2009 Adapti Chekov Iu 2009 Alpati Chekov Iu 2009 Andion Del Sal; E. Barbieri; P. Gar 2009 An Dougherty, M. Chow; W2009 An Dougherty, M. Chow; W2009 Antion Del Sal; E. Barbieri, P. Gar 2009 Antion Del Sal; E. Barbieri, P. Gar 2009 Antion T. Garrett, N. G. Goosens; 2009 Antion T. Garrett, N. G. Goosens; 2009 Alloce B. Gillison; S. M. Skevingt 2009 The edi B. Gillison; S. M. Skevingt 2009 C. Guess; J. R. Strub; N. St 2009 All-ce S. Harkins 2009 C. Guess; J. R. Strub; N. St 2009 All-ce S. Harkins 2009 Exerci M. Hobson; E. L. Clapp, P. 2009 Intervat L. Hwang; T. P. Lin; C. P. C2009 Intervat L. Hwang; T. P. Lin; C. P. C2009 Jay; G. P. Kenny 2009 Currer Jendritzky, B. Tinz 2009 Kaeriovsky-Bielesz; M. C1 2009 Kallinich; R. Keitzer, E. Pu 2009 Kaeriovsky-Bielesz, M. C1 2009 Kaeriok, S. R. Ely, S. 2009 W. Kenefick; B. R. Ely, S. 2009 Portor A. Kenny; J. S. Warland; R. 2009 Cold a C. Launay; G. Savourey 2009 Cold a	exercise and fatigue	Sports Med	Exclude	Yes	No	-	-	-	-	-	-	-
E. Beaudin; M. E. Clegg; N 2009 Adapti, F. Bergeron 2009 Youth F. Bergeron; M. D. Laird; 1 2009 Proces N. Board; S. Brunskill; C. I. 2009 Proces N. Board; S. Brunskill; C. I. 2009 Is activ G. Burniston 2009 Adapt G. Burniston 2009 Life's S. Cheng; Y. Yuan; Z. Li; P. 2009 The pe G. Coffey; B. Jemiolo; J. F. 2009 Effect E. Coris; S. Mehra; S. M. W. 2009 Gastro Del Coso; E. Estewez; R. M. 2009 Physic Del Sal; E. Barbieri; P. Gar 2009 Physic Del Sal; E. Barbieri; P. Gar 2009 Physic Del Sal; E. Barbieri; P. Gar 2009 Physic Del Sal; E. Berbieri; P. Gar 2009 Physic Del Sal; E. Barbieri; P. Gar 2009 Physic Del Sal; E. Barbieri; P. Gar 2009 Proces Del Goso; E. Estewez; R. M. 2009 Caffeit B. G. Hondis; B. Jeffes 2009 Does B. D. Ferrer, P. Tauler; A. Sur 2009 Induct Germonpré; J. M. Pontier; E 2009 Pre-di B. Gillison; S. M. Skevingt 2009 Pre-di B. Gillison; S. M. Skevingt 2009 The eff J. Grant; A. Bensoussan; D. 2009 Chine; C. Gauss; J. R. Strub; N. Stz 2009 All-ce S. Harkins 2009 Exerci H. Hedreville; P. Connes; M. 2009 Centra M. Hobson; E. L. Clajp; P. 2009 Exerci H. Hedreville; P. Connes; M. 2009 Cintre L. Hwang; T. P. Lin; C. P. C. 2009 Investi Jay; G. P. Kenny 2009 Currer J. Jendricky; B. Tinz 2009 Investi Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci N. Kavazis 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Prior h C. Launny; G. Savourcy 2009 Cold a	/entilated vest and tolerance for intermittent exercise in hot, dry conditions with military clothing					-	-	-	- N.	No	-	-
F. Bergeron 2009 Youth F. Bergeron; M. D. Laird; 12009 Repeat F. Bergeron; M. D. Laird; 12009 Focest G. Burniston 2009 Adapta Chekov lu 2009 Life s G. Burniston 2009 The pe G. Coffley; B. Jemiolo; J. E; 2009 Effect E. Coris; S. Mehra; S. M. W2009 Caffeit Del Coso; E. Estevez; R. M; 2009 Caffeit Del Sal; E. Barbieri; P. Gar 2009 Physica D. Del Sal; E. Barbieri; P. Gar 2009 Physica D. Del Sal; E. Barbieri; P. Gar 2009 Physica D. Der Ferrer, P. Tauler, A. Sur 2009 Antion T. Garrett; N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier; E 2009 Pre-dir B. Gillison; S. M. Skevingt 2009 The ef J. Grant, A. Bensoussan; D. 2009 Chines G. Guess; J. R. Strub; N. St. 2009 All-ce J. Grant, A. Bensoussan; D. 2009 Chines Hedreville; P. Connes; M. 12009 Exerci Hedreville; P. Connes; M. 12009 Exerci Horvath; B. C. Mali; I. C. P. (2009 Interve L. Hwang; T. Mali; C. P. (2009 Interve L. Hwang; T. Mali; C. P. (2009 Interve L. Hwang; T. Mali; C. P. (2009 Interve L. Hwang; T. R. Keitzer; E. Pu 2009 Secrei N. Kacerovsky-Bielesz; M. Ct 2009 Short-Kaclinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci N. Kavazis 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Prior h	afety, acceptance, and physiologic effects of sauna bathing in people with chronic heart failure: a Adaptation of exercise ventilation during an actively-induced hyperthermia following passive hea			+	+	+	-	-	No	No.	-	-
F. Bergeron; M. D. Laird; I 2009 Repeat N. Board; S. Brunskill; C. I 2009 Proces N. Board; S. Brunskill; C. I 2009 Is activ G. Burniston 2009 Adapti G. Burniston 2009 ILife s G. Burniston 2009 ILife s G. Coffey; B. Jemiolo; J. E. 2009 The pe E. Coris; S. Mehra; S. M. W2009 Gastro Del Coso; E. Estevez; R. M. 2009 Caffeit Del Sal; E. Barbieri; P. Gar 2009 Physic A. Dougherty, M. Chow, W 2009 Respoo J. Edmonds; B. Jeffes 2009 Does I D. Ferrer, P. Tauler, A. Sur 2009 Antios T. Garrett, N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier, E 2009 Pre-di J. Grant, A. Bensoussan, D. 2009 Chines C. Guess; J. R. Strub, N. St 2009 All-ce S. Harkins 2009 Exerci Herdreville; P. Connes; M. 1209 Centra M. Hobson; E. L. Clapp, P. 2009 Exerci Hervath; B. C. Madi; I. M. 1209 Investi Jay; G. P. Kenny 2009	daptation of exercise ventilation during an activery-induced hyperthermia following passive nea- fouth sports in the heat: recovery and scheduling considerations for tournament play	a Am J Physioi Regui Integ	Exclude Exclude	Yes	+	+	-	-	-	No	-	-
N. Board; S. Brunskill; C. I. 2009 Proces J. Buono; T. R. Numan; R. 2009 Is activ G. Burniston 2009 Adapty Chekov Iu 2009 IL; Ife 8 S. Cheng; Y. Yuan; Z. Li; P. 2009 The pe G. Coffey; B. Jemiolo; J. E. 2009 Effect E. Coris; S. Mehra; S. M. W2009 Gastro Del Coso; E. Estevez; R. Mc 2009 Caffei Del Sal; E. Barbieri; P. Gar 2009 Physic A. Dougherty; M. Chow; W2009 Respool D. Ferrer; P. Tauler; A. Sur 2009 Antioo T. Garrett; N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier; F. 2009 Pre-di B. Gillison; S. M. Skevingt 2009 Pre-di B. Gillison; S. M. Skevingt 2009 The ef Germonpré; J. M. Pontier; F. 2009 Pre-di B. Gillison; S. M. Skevingt 2009 Chines C. Guess; J. R. Strub; N. Str 2009 All-ce S. Harkins 2009 Exerci H. Hedreville; P. Connes; M. 2009 Centra M. Hobson; E. L. Clapp; P. 2009 Exerci H. Horvath; B. C. Madi; I. M. 2009 Investi L. Huwang; T. P. Lin; C. P. C2009 Investi Jay; G. P. Kenny 2009 Currer J. Jendritzky; B. Tinz 2009 The th Kacerowsky-Bielesz; M. C1 2009 Exerci N. Kavarzis 2009 Exerci N. Kavarzis 2009 Exerci N. Kavarzis 2009 Exerci N. Kavarzis 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Prior h C. Lunany; G. Savourey 2009 Cold a	tepeated-bout exercise in the heat in young athletes: physiological strain and perceptual response	-1	Exclude	1 es	-	-	-	-	No	-	-	-
J. Buono; T. R. Numan; R. 2009 Is activ G. Burniston 2009 Adapt Chekov Iu 2009 Life s S. Cheng; Y. Yuan; Z. Li; P. 2009 The pe G. Coffey; B. Jemiolo; J. F. 2009 Effect E. Coris; S. Mehra; S. M. V. 2009 Caffeit Del Coso; E. Estevez; R. M. 2009 Caffeit Del Sal; E. Barbieri; P. Gai 2009 Physic A. Dougherty; M. Chow; W. 2009 Respon J. Edmonds; B. Jeffes 2009 Does I D. Ferrer; P. Tauler; A. Sur 2009 Antioo T. Garrett; N. G. Goosens; 2009 Induct Germonpré; J. M. N. Skevingt 2009 Pre-di B. Gillison; S. M. Skevingt 2009 Chines C. Guess; J. R. Strub; N. 8t 2009 All-ce S. Harkins 2009 Exerci M. Hobson; E. L. Clapp; P. 2009 Exerci M. Hobson; E. L. Clapp; P. 2009 Interv L. Hwang; T. P. Lin; C. P. C. 2009 Interv L. Hwang; T. P. Lin; C. P. C. 2009 Interv L. Hwang; T. P. Lin; C. P. C. 2009 Interv L. Hwang; T. P. Lin; C. P. C. 2009 Interv L. Hwang; T. P. Lin; C. P. C. 2009 Serci J. Grant; K. Keitzer; E. Pu 2009 Serci N. Kacarcowsky-Bielesz, M. C. 2009 Serci N. Kavazis 2009 Exerci N. Kavazis 2009 Exerci N. Kavazis 2009 Prior I A. Kenny; J. S. Warland; R. 2009 Prior I A. Kenny; J. S. Warland; R. 2009 Prior I A. Kenny; J. S. Warland; R. 2009 Prior I		Cochrane Database of Sys		Yes	+	+	-	-	INO	-	-	-
G. Burniston 2009 Adapti. Chekov Iu 2009 Li.fe s. S. Cheng, Y. Yuan; Z. Li; P. 2009 The p. G. Coffey, B. Jemiolo; J. Er. 2009 Effect E. Coris; S. Mehra; S. M. W 2009 Gastro Del Coso; E. Estewez, R. M. 2009 Physic A. Dougherty; M. Chow; W 2009 Respool J. Edmonds; B. Jeffes 2009 Does I D. Ferrer, P. Tauler; A. Sur 2009 Antioo T. Garrett; N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier, E 2009 Pre-di B. Gillison; S. M. Skevingtz 2009 The ef J. Grant, A. Bensoussan; D. 2009 Chines C. Guess; J. R. Strub; N. Stz 2009 All-ce S. Harkins 2009 Exerci Hedreville; P. Connes; M. 2009 Centra M. Hobson; E. L. Clapp; P. 2009 Exerci Hedrvalt; B. C. Madi; I. M. 2009 Investi Jay; G. P. Kenny 2009 Currer Jay; G. P. Kenny 2009 Currer Jendritzky; B. Tinz 2009 Short- Kaelinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci N. Kenefick; B. R. Ely; S. 2009 Exerci N. Kavazis 2009 Exerci N. Kenefick; B. R. Ely; S. 2009 Prior I A. Kenny; J. S. Warland; R. 2009 Prior I A. Kenny; J. S. Warland; R. 2009 Prior I	s active sweating during heat acclimation required for improvements in peripheral sweat gland fu			- I es					-	No		-
Chekov Iu 2009 [Life S S. Cheng; Y. Yuan; Z. Li, P. 2009 The pe G. Coffey; B. Jemiolo; J. E. 2009 Effect E. Coris; S. Mehra; S. M. W2009 Gastroto: B. Coris; S. Mehra; S. M. W2009 Caffeii Del Sal; E. Barbieri; P. Gar 2009 Physic A. Dougherty; M. Chow; W2009 Respool J. Edmonds; B. Jeffes 2009 Does I. D. Ferrer; P. Tauler; A. Sur 2009 Antion T. Garrett; N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier; E 2009 Pre-dii Germonpré; J. M. Pontier; E 2009 The ef B. Gillison; S. M. Skevingt 2009 The ef Germonpré; J. M. Pontier, E 2009 Chines C. Guess; J. R. Strub; N. St. 2009 All-ce: S. Harkins 2009 Exerci Hedreville; P. Connes; M. 2009 Centra M. Hobson; E. L. Clapp; P. 2009 Exerci Horvath; B. C. Madi; I. M. 2009 Interve L. Hwang; T. P. Lin; C. P. C. 2009 Jay; G. P. Kenny 2009 Currer Jendritzky; B. Tinz 2009 The th Kacerovsky-Bielesz; M. C. 2009 Exerci N. Kavazis 2009 Pirot h A. Kenny; J. S. Warland; R. 2009 Pirot h A. Kenny; J. S. Warland; R. 2009 Pirot h C. Launay; G. Savourey 2009 Cold a		Proteomics	Exclude	Yes	-	-	-			-	-[
S. Cheng; Y. Yuan; Z. Li; P. 2009 The pc G. Coffey; B. Jemiolo; J. E; 2009 Effect E. Coris; S. Mehra; S. M. W 2009 Gastro Del Coso; E. Estevez; R. M; 2009 Del Coso; E. Estevez; R. M; 2009 Physic A. Dougherty; M. Chow; W 2009 A. Dougherty; M. Chow; W 2009 Des St. Estevez; R. M; 2009 Des St. D. Ferrer; P. Fauler; A. Sur Dougherty; M. Chow; W 2009 Does b D. Ferrer; P. Tauler; A. Sur Dougherty; M. Chow; W 2009 Does b D. Ferrer; P. Tauler; A. Sur Germonpré, J. M. Pontier; F. 2009 Does b D. Ferrer; N. G. Goosens; 2009 Induct Germonpré, J. M. Pontier; F. 2009 Pre-di B. Gillison; S. M. Skevingt 2009 J. Grant; A. Bensoussan; D. 2009 Chiner C. Guess; J. R. Strub; N. Str 2009 All-ce S. Harkins Dougherty; M. 2009 Exerci H. Hedreville; P. Connes; M. 2009 Horvath; B. C. Madi; I. M. 2009 Horvath; B. C. Madi; I. M. 2009 Horvath; B. C. Madi; I. M. 2009 Jay; G. P. Kenny Dughdritzky; B. Tinz Learny; G. P. 2009 Short- Kallinich; R. Keitzer; E. Pu 2009 K. Kenefick; B. R. Ely; S. 2009 K. Kenefick; B. R. Ely; S. 2009 V. Kenefick; B. R. Ely; S. 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Prior h C. Launny; G. Savourey 2009 Cold a	Life support of the Mars exploration crew. Control of a zeolite system for carbon dioxide remova		Exclude	-	-	No	1				-	
G. Coffey; B. Jemiolo; J. E. 2009 Effect E. Coris; S. Mehra; S. M. W 2009 Gastro Del Coso; E. Estevez; R. Mi 2009 Physic Del Sal; E. Barbieri; P. Gar 2009 Physic Del Sal; E. Barbieri; P. Gar 2009 Physic A. Dougherty; M. Chow; W 2009 Respo J. D. Ferner, P. Tauler, A. Sur 2009 Antioo T. Garrett; N. G. Goosens; 2009 Induct Germonprè; J. M. Pontier; E 2009 Pre-di B. Gillison; S. M. Skevingt 2009 The ef J. Grant; A. Bensoussan; D 2009 Chines C. Guess; J. R. Strub; N. St 2009 All-ce S. Harkins 2009 Exerci Hedreville; P. Connes; M. 12009 Exerci Hedreville; P. Connes; M. 12009 Interve L. Hwang; T. P. Lin; C. P. C. 2009 Interve	The performance of a reduced-order adaptive controller when used in multi-antenna hyperthermia	_	Exclude	Yes	-	-	1.				-	
E. Coris; S. Mehra; S. M. W 2009 Del Coso; E. Estevez; R. M; 2009 Del Sal; E. Barbieri; P. Gai 2009 Physic A. Dougherty; M. Chow; W 2009 J. Edmonds; B. Jeffes 2009 D. Ferrer, P. Tauler, A. Sur 2009 J. Edmonds; B. Jeffes 2009 J. Ferrer, P. Tauler, A. Sur 2009 Antioo T. Garrett, N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier, E2009 B. Gillison; S. M. Skevingt(2009) The ef J. Grant, A. Bensoussan; D. 2009 Chines C. Guess; J. R. Strub; N. Sté 2009 All-cei S. Harkins 2009 Exerci Hedreville; P. Connes; M. 12009 L. Hwang; T. P. Lin; C. P. (2009) Investi Jay; G. P. Kenny 2009 L. Hwang; T. P. Lin; C. P. (2009) Jay; G. P. Kenny 2009 Lendrizky; B. Tinz 2009 Exerci N. Kavazis 2009 Exerci N. Kavazis 2009 Exerci N. Kenefick; B. R. Ely; S. 12009 W. Kenefick; B. R. Ely; S. 12009 Part A. Kenny; J. S. Warland; R. 2009 Part A. Kenny; J. S. Warland; R. 2009 P. Serci N. Kayazis 2009 P. Serci N. Kayazis 2009 P. Serci A. Kenny; J. S. Warland; R. 2009 Part A. Kenny; J. S. Warland; R. 2009 C. Launay; G. Savourey 2009 Cold a	Effect of consecutive repeated sprint and resistance exercise bouts on acute adaptive responses in		gr Exclude	Yes	-	-	-	_			_	
Del Coso; E. Estevez; R. Mc 2009 Caffeir Del Sal; E. Barbieri; P. Gair 2009 Physis Del Sal; E. Barbieri; P. Gair 2009 Physis A. Dougherty; M. Chow; W 2009 Respon J. Edmonds; B. Jeffes 2009 Does B D. Ferrer; P. Tauler; A. Sur 2009 Antion T. Garrett; N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier; E 2009 Pre-dir B. Gillison; S. M. Skevingst 2009 The ef B. Gillison; S. M. Skevingst 2009 Chines C. Guess; J. R. Strub; N. Stk 2009 All-ce S. Harkins 2009 Exerci Hedreville; P. Connes; M. 2009 Centra M. Hobson; E. L. Clapp; P. 2009 Exerci Horvath; B. C. Madi; I. M. 2009 Interve L. Hwang; T. P. Lin; C. P. C 2009 Jay; G. P. Kenny 2009 Currer Jendritzky; B. Tinz 2009 The th Kacerovsky-Bleesz, M. C1 2009 Exerci N. Kavazis W. Kenefick; B. R. Ely; S. 2009 Exerci W. Kenefick; B. R. Ely; S. 2009 Exerci W. Kenefick; B. R. Ely; S. 2009 Exerci W. Kenefick; B. R. Ely; S. 2009 Pirot h A. Kenny; J. S. Warland; R. 2009 Pirot h C. Launay; G. Savourey 2009 Cold a	iastrointestinal temperature trends in football linemen during physical exertion under heat stress		Exclude	Yes	-	-	-	-	-	-	-	
Del Sal; E. Barbieri; P. Gai 2009 Physic A. Dougherty; M. Chow; W.2009 Respo A. Dougherty; M. Chow; W.2009 Respo D. Ferrer; P. Tauler; A. Sur 2009 Induct Germonpré, J. M. Pontier; F. 2009 Pre-di B. Gillison; S. M. Skevingt 2009 The ef J. Grant; A. Bensoussan; D. 2009 Chines C. Guess; J. R. Strub; N. Stc 2009 All-ce S. Harkins 2009 Exerci H. Germonpré, J. M. Pontier; P. 2009 Exerci H. Horvath; B. C. Madi; I. M. 2009 Interve L. Wang; T. P. Lin; C. P. C. 2009 Interve L. Hwang; T. P. Lin; C. P. C. 2009 Interve L. Hwang; T. P. Lin; C. P. C. 2009 Short- Racerovsky-Bielesz; M. Ct 2009 Short- Kaelinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci V. Kenefick; B. R. Ely; S. 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Prior h C. Launny; G. Savourey 2009 Cold a	Caffeine during exercise in the heat: thermoregulation and fluid-electrolyte balance	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
A. Dougherty; M. Chow; W 2009 Respoi D. Fermer, P. Tauler; A. Sur 2009 Antiox D. Ferrer, P. Tauler; A. Sur 2009 Antiox T. Garrett; N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier, F 2009 Pre-dir B. Gillison; S. M. Skevingt 2009 The ef J. Grant; A. Bensoussan; D. 2009 Chines C. Guess; J. R. Strub; N. Ste 2009 All-ce S. Harkins 2009 Exerci Hedreville; P. Connes; M. 2009 Centra M. Hobson; E. L. Clapp; P. 2009 Exerci Horvath; B. C. Madi; I. M. 2009 Investi Jay; G. P. Kenny 2009 Currer Jay; G. P. Kenny 2009 Currer Jendritzky; B. Tinz 2009 Short- Kaercovsky-Bielesz; M. Cl 2009 Short- Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci M. Kenefick; B. R. Ely; S. 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Part A C. Launay; G. Savourey 2009 Cold a	hysiologic responses of firefighter recruits during a supervised live-fire work performance test	J Strength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
D. Ferrer, P. Tauler, A. Sur 2009 Antioo T. Garrett, N. G. Goosens; 2009 Induct Germonpré, J. M. Pontier, F. 2009 Pre-div B. Gillison, S. M. Skevingt/2009 The ef J. Grant; A. Bensoussan; D. 2009 Chines C. Guess; J. R. Strub; N. Std 2009 All-ce S. Harkins 2009 Exerci Hedreville; P. Connes; M. 2009 Centra M. Hobson; E. L. Clapp; P. 2009 Exerci Horvath; B. C. Madi; I. M. 2009 Interve L. Hwang; T. P. Lin; C. P. C. 2009 Jay; G. P. Kenny 2009 Currer Jay; G. P. Kenny 2009 Currer Ledicocky, B. Tinz 2009 The th Kacerovsky-Bielesz; M. Ct 2009 Short- Kallinich, K. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci N. Kavazis 2009 Exerci N. Kavazis 2009 Exerci N. Kavazis 2009 Piror h A. Kenny, J. S. Warland; R. 2009 Piror h A. Kenny, J. S. Warland; R. 2009 Piror h C. Launny; G. Savourey 2009 Cold a	tesponses of lean and obese boys to repeated summer exercise in the heat bouts	Med Sci Sports Exerc	Exclude	-	-	-	-	-	No	-	-	-
T. Garrett; N. G. Goosens; 2009 Induct Germonpré; J. M. Pontier; £2009 Pre-dir B. Gillison; S. M. Skevingte; 2009 The ef J. Grant; A. Bensoussan; D. 2009 Chines C. Guess; J. R. Strub; N. St₂ 2009 All-ce S. Harkins 2009 Exerci Hedreville; P. Connes; M. 12009 Exerci M. Hobson; E. L. Clapp; P. 2009 Interv H. Hobson; E. L. Clapp; P. 2009 Interv L. Hawang; T. P. Lin; C. P. Q. 2009 Investi Jay; G. P. Kenny 2009 Currer Jendritzky; B. Tinz 2009 The th Kacerovsky-Bielesz; M. Ct 2009 Short- Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci N. Kavazis 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Part A C. Launny; G. Savourey 2009 Cold a	Ooes having a drink help you think? 6-7-Year-old children show improvements in cognitive perfo	o Appetite	Exclude	Yes	-	-	-	-	-	-	-	-
Germonpré; J. M. Pontier; E 2009 Pre-dir B. Gillison, S. M. Skevingtz 2009 The ef B. Gillison, S. M. Skevingtz 2009 The ef C. Guess; J. R. Strub; N. Stz 2009 All-cec C. Guess; J. R. Strub; N. Stz 2009 Exerci Hedreville; P. Connes; M. 2009 Centra M. Hobson; E. L. Clapp; P. 2009 Exerci Horvath; B. C. Madi; I. M. 2009 Investi Jay; G. P. Kenny 2009 Currer Jay; G. P. Kenny 2009 Currer Jendritzky; B. Tinz 2009 The th Kacerovsky-Bielesz; M. C7 2009 Short-fix Kacerovsky-Bielesz; M. C7 2009 Exerci N. Kavazis 2009 Exerci W. Kenefick; B. R. Ely; S. 2009 Pirot h A. Kenny; J. S. Warland; R. 2009 Part A C. Launay; G. Savourey 2009 Cold a	antioxidant regulatory mechanisms in neutrophils and lymphocytes after intense exercise	J Sports Sci	Exclude	Yes	-	-	-	-	-	-	-	-
B. Gillison; S. M. Skevingti 2009 The ef J. Grant; A. Bensoussan; D. 2009 Chines C. Guess; J. R. Strub; N. Sti 2009 All-cei S. Harkins 2009 Exerci Hedreville; P. Connes; M. 1 2009 Exerci Hedreville; P. Connes; M. 1 2009 Exerci Hedreville; P. Connes; M. 1 2009 Investi L. Horvath; B. C. Madi; I. M. 1 2009 Investi Jay; G. P. Kenny 2009 Currer Jendritzky; B. Tinz 2009 The th Kacerowsky-Bielesz, M. C7 2009 Short- Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci W. Kenefick; B. R. Ely; S. 2009 Pirot h A. Kenny; J. S. Warland; R. 2009 Part A C. Launay; G. Savourey 2009 Cold a	nduction and decay of short-term heat acclimation	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
J. Grant; A. Bensoussan; D. 2009 Chines C. Guess; J. R. Strub; N. Str2009 All-ce S. Harkins 2009 Exerci Hedreville; P. Connes; M. 12009 Centra M. Hobson; E. L. Clapp; P. 2009 Exerci Horvath; B. C. Madi; I. M. 2009 Interve L. Hwang; T. P. Lin; C. P. C2009 Investi Jay; G. P. Kenny 2009 Currer Jendritzky; B. Tinz 2009 The th Kacerowsky-Bielesz; M. Ct 2009 Short- Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci N. Kavazis 2009 Exerci W. Kenefick; B. R. Ely; S. 12009 Prior h A. Kenny; J. S. Warland; R. 2009 Part A C. Launny; G. Savourey 2009 Cold a	re-dive vibration effect on bubble formation after a 30-m dive requiring a decompression stop	Aviat Space Environ Med	d Exclude	Yes	-	-	-	-	-	-	-	-
C. Guess; J. R. Strub, N. Std 2009 All-cei S. Harkins 2009 Exerci Hedreville; P. Connes; M. 12009 Centra M. Hobson; E. L. Clapp; P. 2009 Exerci Horvath; B. C. Madi; I. M. 12009 Interv L. Hwang; T. P. Lin; C. P. C 2009 Investi Jay; G. P. Kenny 2009 Currer Jendritzky; B. Tinz 2009 The th Kacerovsky-Bielesz; M. C 12009 Short-t Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci W. Kenefick; B. R. Ely; S. 12009 Prior h A. Kenny; J. S. Warland; R. 2009 Part A C. Launay; G. Savourey 2009 Cold a	he effects of exercise interventions on quality of life in clinical and healthy populations; a meta-	- Soc Sci Med	Exclude	Yes	-	-	-	-	-	-	-	-
S. Harkins 2009 Exerci Hedreville; P. Connes; M. 2009 Centra M. Hobson; E. L. Clapp, P. 2009 Exerci Horvath; B. C. Madi; I. M. 2009 Interver L. Hwang; T. P. Lin; C. P. C 2009 Investi Jay; G. P. Kenny 2009 Currer Jendritzky; B. Tinz 2009 The th Kacerowsky-Bielesz; M. C? 2009 Short- Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci W. Kenefick; B. R. Ely; S. 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Part A C. Launay; G. Savourey 2009 Cold a	Chinese herbal medicines for people with impaired glucose tolerance or impaired fasting blood gl		s Exclude	Yes	-	-	-	-	-	-	-	-
Hedreville; P. Connes; M. 12009 Centra M. Hobson; E. L. Clapp, P. 2009 Exerci M. Horvath; B. C. Madi; I. M. 12009 Interve L. Hwang; T. P. Lin; C. P. C2009 Investigation of the control of the	All-ceramic partial coverage restorationsmidterm results of a 5-year prospective clinical splitmo	o J Dent	Exclude	Yes	-	-	-	-	-	-	-	-
M. Hobson; E. L. Clapp, P. 2009 Exerci Horvath, B. C. Madi; I. M. 2009 Interv L. Hwang; T. P. Lin; C. P. C 2009 Invest Jay; G. P. Kenny 2009 Currer Jendritzky; B. Tinz 2009 The th Kacerovsky-Bielesz; M. Ct 2009 Short- Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci W. Kenefick; B. R. Ely; S. 12009 Prior h A. Kenny, J. S. Warland; R. 2009 Part A C. Launay; G. Savourey 2009 Cold a	exercise regulates heat shock proteins and nitric oxide	Exerc Sport Sci Rev	Exclude	-	No	-	-	-	-	-	-	-
Horvath, B. C. Madi, I. M. 2009 Intervet L. Hwang, T. P. Lin, C. P. C 2009 Investi Jay, G. P. Kenny 2009 Currer Jondritzky, B. Tinz 2009 The th Kacerovsky-Bielesz, M. Cl 2009 Short- Kallinich; R. Keitzer, E. Pu 2009 Exerci N. Kavazis 2009 Exerci W. Kenefick; B. R. Ely, S. 2009 Prior h A. Kenny, J. S. Warland, R. 2009 Part A C. Launay; G. Savourey 2009 Cold a	Central retinal vein occlusion in a sickle cell trait carrier after a cycling race	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
L. Hwang; T. P. Lin; C. P. C 2009 Investi Jay; G. P. Kenny 2009 Currer Jendritzky; B. Tinz 2009 The th Kacerovsky-Bielesz; M. C 12009 Short- Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci W. Kenefick; B. R. Ely; S. 12009 Prior h A. Kenny; J. S. Warland; R. 2009 Part A C. Launay; G. Savourey 2009 Cold a	exercise capacity in the heat is greater in the morning than in the evening in man	Med Sci Sports Exerc	Exclude		-	-	<u>-</u>	-	-	No	-	-
Jay, G. P. Kenny 2009 Currer	nterventions for preventing late postnatal mother-to-child transmission of HIV	Cochrane Database of Sys	s Exclude	Yes		-	-	-	-	-	-	-
Jendritzky; B. Tinz 2009 The th Kacerovsky-Bielesz; M. Ct 2009 Short-Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci W. Kenefick; B. R. Ely; S. 2009 Prior Is A. Kenny; J. S. Warland; R. 2009 Part A C. Launay; G. Savourey 2009 Cold a	nvestigating the adaptive model of thermal comfort for naturally ventilated school buildings in Ta		Exclude	Yes	-	-	-	-	-	-	-	-
Kacerovsky-Bielesz; M. Ct 2009 Short-Kallinich; R. Keitzer; E. Pu 2009 Exerci Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci W. Kenefick; B. R. Ely; S. 12009 Prior h A. Kenny; J. S. Warland; R. 2009 Part A C. Launay; G. Savourey 2009 Cold a	Current evidence does not support an anticipatory regulation of exercise intensity mediated by rat	Glob Health Action	Exclude	-	No	-	<u>-</u>	-	-	-	-	-
Kallinich; R. Keitzer; E. Pu 2009 Exerci N. Kavazis 2009 Exerci W. Kenefick; B. R. Ely; S. 2009 Prior h A. Kenny; J. S. Warland; R 2009 Part A C. Launay; G. Savourey 2009 Cold a	The thermal environment of the human being on the global scale		Exclude	Yes		-	-	-	-	-	-	-
N. Kavazis 2009 Exerci W. Kenefick; B. R. Ely; S. 2009 Prior h A. Kenny; J. S. Warland; R. 2009 Part A C. Launay; G. Savourey 2009 Cold a	short-term exercise training does not stimulate skeletal muscle ATP synthesis in relatives of huma exercise-induced hyperthermia in childhood: a case report and pilot study	Acta Paediatr	Exclude	Yes	- No	-	-	-	-	-	-	-
W. Kenefick; B. R. Ely; S. 12009 Prior h A. Kenny; J. S. Warland; R. 2009 Part A C. Launay; G. Savourey 2009 Cold a	exercise preconditioning of the myocardium	Sports Med	Exclude Exclude	-	No No	-	-	-	-	-	-	-
A. Kenny; J. S. Warland; R 2009 Part A C. Launay; G. Savourey 2009 Cold a	rior heat stress: effect on subsequent 15-min time trial performance in the heat	Med Sci Sports Exerc	Exclude	-	INO	-	-	-	-	No	-	-
C. Launay; G. Savourey 2009 Cold a	art A: Assessing the performance of the COMFA outdoor thermal comfort model on subjects per		Exclude	Yes		+		-	-	-		
	Cold adaptations	Ind Health	Exclude	Yes		+	+	-	-	-	-	-
	Whole body overexpression of PGC-1alpha has opposite effects on hepatic and muscle insulin ser			Yes	+	+	1				-	
•		J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
		J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
	formesis as a pro-healthy aging intervention in human beings?	Dose Response	Exclude	1-	No	-	1-	-	1-	-	-	-
			Exclude	-	No	1-	-	-	1-	-	-	-
,,	tegular thermal therapy may promote insulin sensitivity while boosting expression of endothelial		Exclude	Yes	1.	1-	-	-	1-	-	-	-
	tegular thermal therapy may promote insulin sensitivity while boosting expression of endothelial teduced carbohydrate availability does not modulate training-induced heat shock protein adaptati		Exclude	-	No	-	-	-	-	-	-	-
					N.					_	_	-
	teduced carbohydrate availability does not modulate training-induced heat shock protein adaptati	Sports Med	Exclude	-	No	-	-	1-	-			
O'Connor; D. Hyde; J. Clarl 2009 Torso	teduced carbohydrate availability does not modulate training-induced heat shock protein adaptati exercise training-induced gender-specific heat shock protein adaptations in human skeletal muscl he exercise-induced stress response of skeletal muscle, with specific emphasis on humans		Exclude Exclude	-	No No	-	-	-	-	-	-	-

											= time trial, time to exhaustion, race pe ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	
				Decision	Reason(s) for	inclusion/exclus	ion:					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
uthor	Year	Title	Journal	Include or exclude?	Irrelevant / of topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
Okazaki; T. Ichinose		Impact of protein and carbohydrate supplementation on plasma volume expansion and thermorego		Exclude	-	-	-	-	-	-	No	-	-
L. Pall	2009	Do sauna therapy and exercise act by raising the availability of tetrahydrobiopterin?	Med Hypotheses	Exclude	-	No	-	-	-	-	-	-	-
J. Price; C. Boyd; V	V. L. Go 2009	The physiological effects of pre-event and midevent cooling during intermittent running in the hea	Appl Physiol Nutr Metab	Exclude	Yes	-	-	-	-	-	-	-	-
B. Pyne; I. Mujika;		9	J Sports Sci	Exclude	-	No	-	-	-	-	-	-	-
Radaković; J. Marić		, , , , , , , , , , , , , , , , , , , ,	Vojnosanit Pregl	Exclude	-	No	-	-	-	-	-	-	-
P. Raynaud; M. Auge		-	Int J Pharm	Exclude	Yes	-	-	-	-	-	-	-	-
J. Rea; Y. Pan; B. G			Toxicol Ind Health	Exclude	Yes	-	-	-	-	-	-	-	-
Roelands; M. Goeki			Eur J Appl Physiol	Exclude	-	No	-	-	-	-	-	-	-
Roelands; H. Haseg			Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Rosen; P. Hasler; M		1	Biosystems	Exclude	Yes	-	-	-	-	-	-	-	-
R. Sandrow-Feinber	-		J Neurotrauma	Exclude	Yes	- N.	-	-	-	-	-	-	-
K. Singh; P. Vats; S. L. Stakhursky; O. A		Body composition & cardiovascular functions in healthy males acclimatized to desert & high altit		Exclude	-	No	-	-	-	-	- N-	-	-
L. Staknursky; O. A. T. Van Duijnhoven;		Real-time MRI-guided hyperthermia treatment using a fast adaptive algorithm Effect of functional electrostimulation on impaired skin vasodilator responses to local heating in s	Phys Med Biol I Appl Physiol (1985)	Exclude Exclude	-	-	-	-	-	-	No No	-	-
Vissing; M. L. Baye					Van	-	-	-	-	-	NO	-	-
A. Vuori; J. K. Ahlsl		Heat shock protein translocation and expression response is attenuated in response to repeated ecc TransLISA, a novel quantitative, nonradioactive assay for transcription factor DNA-binding analy		Exclude Exclude	Yes	-	-	-	-	-	-	-	-
Beck; F. Gillison; M			Br J Health Psychol	Exclude	Yes	-		-		-	-		
Betts; C. Williams		Short-term recovery from prolonged exercise: exploring the potential for protein ingestion to acce		Exclude	Yes								-
P. Blondin; I. Dépau		Effects of two glucose ingestion rates on substrate utilization during moderate-intensity shivering		Exclude	Yes							-	£
Brazaitis: A. Skurv			Eur J Appl Physiol	Exclude	-						No	-	1
Brerro-Saby; S. Del	,	Combination of two oxidant stressors suppresses the oxidative stress and enhances the heat shock	II /	Exclude							No		
Calabrese; C. Corne		Cellular stress responses, mitostress and carnitine insufficiencies as critical determinants in aging		Exclude	Yes						-	-	
Charkoudian	2010	Mechanisms and modifiers of reflex induced cutaneous vasodilation and vasoconstriction in huma		Exclude	-	No	-	_	-	-	-		_
S. Cheung	2010		Scand J Med Sci Sports	Exclude		No	-						
S. Cheung; S. R. Pet	tersen: 12010		Scand J Med Sci Sports	Exclude	-	No	-	_	-	_	-		-
J. Cochran; J. P. Litt		Carbohydrate feeding during recovery alters the skeletal muscle metabolic response to repeated se	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
Crowe; L. Whitehea	ad; M. J2010		J Adv Nurs	Exclude	Yes	-	-	-	-	-	-	-	-
Dewhurst; A. Macal	luso; L. 2010		Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
A. Dougherty; M. C	Chow; W 2010	Critical environmental limits for exercising heat-acclimated lean and obese boys	Eur J Appl Physiol	Exclude	-	-	-	-	-	No	-	-	-
P. Dugas	2010	How hot is too hot?: Some considerations regarding temperature and performance	Int J Sports Physiol Perfor	Exclude	-	No	-	-	-	-	-	-	-
E. Folk	2010	The Harvard Fatigue Laboratory: contributions to World War II	Adv Physiol Educ	Exclude	Yes	-	-	-	-	-	-	-	-
Gempp; J. E. Blattea	au 2010	Preconditioning methods and mechanisms for preventing the risk of decompression sickness in sc	Res Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Goto; K. Okazaki; Y	Y. Kami 2010	Protein and carbohydrate supplementation during 5-day aerobic training enhanced plasma volume	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
S. Grebenyuk; T. V.	Stupnik 2010	Long-term exercises increase the concentration of HspBP1, a co-chaperone of 70-KDa heat shock	Bull Exp Biol Med	Exclude	-	-	-	-	-	-	No	-	-
J. Green; H. H. Cart	ter; M. (2010	Obligatory role of hyperaemia and shear stress in microvascular adaptation to repeated heating in	J Physiol	Exclude	-	-	-	-	-	-	No	-	-
Günendi; A. Sepici l		Does exercise affect the antioxidant system in patients with ankylosing spondylitis?	Clin Rheumatol	Exclude	Yes	-	-	-	-	-	-	-	-
Handschin	2010	Regulation of skeletal muscle cell plasticity by the peroxisome proliferator-activated receptor γ co			-	No	-	-	-	-	-	-	-
Harrington; G. Taylo		A community-based exercise and education scheme for stroke survivors: a randomized controlled		Exclude	Yes	-	-	-	-	-	-	-	-
D. Hayes; C. I. Mor			Eur J Appl Physiol	Exclude	-	No	-	-	-	-	-	-	-
Horowitz; E. Kodes			Med Sci Sports Exerc	Exclude	-	No	-	-	-	-	-	-	-
1. Johnson	2010			Exclude	-	No	-	-	-	-	-	-	-
Kaushik; T. Malik; S			Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
R. Konopka; M. D.	-	-	J Gerontol A Biol Sci Med		Yes	-	-	-	-	-	-	-	-
I. Kounalakis; P. G.		The effect of menthol application to the skin on sweating rate response during exercise in swimmer		Exclude	-	-	-	-	-	-	No	-	-
Lira; C. R. Bento		PGC-1alpha regulation by exercise training and its influences on muscle function and insulin sens			Yes	-	-	-	-	-	-	-	-
Little; A. Safdar; C		A practical model of low-volume high-intensity interval training induces mitochondrial biogenesis	•	Exclude	Yes	-	-	-	-	-	- N.	-	-
.orenzo; J. R. Halliv .orenzo; C. T. Mins			J Appl Physiol (1985) J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No No	-	-
				Exclude	Vac	-	-	-	-	-	No		-
. Magalhães; R. L. Magalhães Fde; F. T		Thermoregulatory efficiency is increased after heat acclimation in tropical natives Heat and exercise acclimation increases intracellular levels of Hsp72 and inhibits exercise-inducei	J Physiol Anthropol	Exclude Exclude	Yes	-	-	-	-	-	- No		-
Malan; B. Dawson;		Freat and exercise acclimation increases intracellular levels of Hsp/2 and inhibits exercise-induced. Effect of heat exposure on thermoregulation and hockey-specific response time in field hockey go		Exclude	Yes	-	-	-	-	-	INU		-
Maian; B. Dawson; J. Maughan	2010		-	Exclude	1 CS	- No	-	-	-	-	-	+	-
. Maughan: S. M. S		Living, training and playing in the heat: challenges to the football player and strategies for coping		Exclude	-[No	-	-			-	-	-
dichel: P. M. Vanho			Pflugers Arch	Exclude	Yes	-	-	1	-	T.		-[ŧ.
Mohr; I. Mujika; J.		Examination of fatigue development in elite soccer in a hot environment: a multi-experimental ap		Exclude	1 65	-[-[-1		1	- No	-[1
dündel: D. A. Jones			Eur J Appl Physiol	Exclude	-	-	-	-	-	· ·	No	+	

										**Physiology during ov	= time trial, time to exhaustion, race percise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	or factate threshold.
				Decision	Reason(s) for	inclusion/exclus	ion.			r nysiology during ex	ercise - Kr E, neart rate, sweat rate, co	e temp, and thermal control during exercis	A.
uthor	Year	Title	Journal	Include or exclude?	Irrelevant / of topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
. D. Nelson; M. J. Hay	ykowsl 2010	Aerobic fitness does not influence the biventricular response to whole body passive heat stress	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
B. Nordsborg; C. Lun	ndby; 12010	Relative workload determines exercise-induced increases in PGC-1alpha mRNA	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Nybo	2010	Cycling in the heat: performance perspectives and cerebral challenges	Scand J Med Sci Sports	Exclude	-	No	-	-	-	-	-	-	-
Olesen; K. Kiilerich; F		PGC-1alpha-mediated adaptations in skeletal muscle	Pflugers Arch	Exclude	-	No	-	-	-	-	-	-	-
L. Osterberg; S. E. Pa	-		J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
T. Ozgünen; S. S. Kur			Scand J Med Sci Sports	Exclude	-	No	-	-	-	-	-	-	-
Panossian; G. Wikma		Rosenroot (Rhodiola rosea): traditional use, chemical composition, pharmacology and clinical eff		Exclude	Yes	-	-	-	-	-	-	-	-
J. Patterson; L. Zhang	-	Hypoxia and fetal heart development	Curr Mol Med	Exclude	Yes	-	-	-	-	-	-	-	-
L. Persiianova-Dubro			Vopr Kurortol Fizioter Lea		-	-	No	-	-	-	-	-	-
J. Petersen; M. R. Por		Partial heat acclimation in cricketers using a 4-day high intensity cycling protocol	Int J Sports Physiol Perfor		-	-	-	-	-	-	No	-	-
C. Ping; C. C. Keong		Effects of acute supplementation of caffeine on cardiorespiratory responses during endurance run		Exclude	Yes	-	-	-	-	-	-	-	-
O. Pörtner Psilander; L. Wang; J.	2010 West 2010	Oxygen- and capacity-limitation of thermal tolerance: a matrix for integrating climate-related stre Mitochondrial gene expression in elite cyclists: effects of high-intensity interval exercise	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	•	-	-
Psilander; L. Wang; J. Racinais	2010		Scand J Med Sci Sports	Exclude Exclude	Yes	- No	-	-	-	-	•	+	-
Racinais; J. Oksa	2010	Temperature and neuromuscular function	-	Exclude	-	No	-	-	-	-	-	-	-
. Reed; R. Harrington;		Meeting stroke survivors' perceived needs: a qualitative study of a community-based exercise and		Exclude	Yes	140	-	-	-	-	-	-	-
O. Roberts	2010			Exclude	-	No						-	
M. Shirreffs	2010	Hydration: special issues for playing football in warm and hot environments		Exclude	Yes	-	-	-	-	_	-		_
Stapleton; D. Gagnon;		Short-term exercise training does not improve whole-body heat loss when rate of metabolic heat p		Exclude	-	-	-	-	-	_	No		_
A. Stokes; D. Sykes; I		Brief, high intensity exercise alters serum ghrelin and growth hormone concentrations but not IGF		Exclude	Yes	-	-	-	-	-		-	
N. Storm-Versloot; C	C. G. \2010			Exclude	Yes	-	-	-	-	-		-	
Summermatter; O. Ba	aum; C 2010	Peroxisome proliferator-activated receptor {gamma} coactivator 1{alpha} (PGC-1{alpha}) promo	J Biol Chem	Exclude	Yes	-	-	-	-	-	-	-	-
Taylor; A. W. Midgley	y; B. (2010	The effect of acute hypoxia on heat shock protein 72 expression and oxidative stress in vivo	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Valdes; T. Marik	2010	A systematic review of conservative interventions for osteoarthritis of the hand	J Hand Ther	Exclude	Yes	-	-	-	-	-	-	-	-
F. Walker; S. D. Frenc	ch; W. 2010	Combined chiropractic interventions for low-back pain	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
A. Westphal; R. D. Ch	hilds; 12010	Managing diabetes in the heat: potential issues and concerns	Endocr Pract	Exclude	-	No	-	-	-	-	-	-	-
Wilk; B. W. Timmons	s; O. E 2010	Voluntary fluid intake, hydration status, and aerobic performance of adolescent athletes in the hear	Appl Physiol Nutr Metab	Exclude	-	-	-	-	-	-	No	-	-
W. Yeargin; D. J. Casa		Thermoregulatory responses and hydration practices in heat-acclimatized adolescents during presonant	J Athl Train	Exclude	-	No	-	-	-	-	-	-	-
V. Zammit; H. B. Mer			Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Amorim; P. Yamada; R		Effects of whole-body heat acclimation on cell injury and cytokine responses in peripheral blood in		Exclude	-	-	-	-	-	-	No	-	-
R. Bain; O. Jay	2011	Does summer in a humid continental climate elicit an acclimatization of human thermoregulatory		Exclude	-	No	-	-	-	-	-	-	-
Bandyopadhyay; F. W		Effects of acute supplementation of caffeine and Panax ginseng on endurance running performance		Exclude	Yes	-	-	-	-	-	•	-	-
. Buchheit; C. Horobea		Effects of age and spa treatment on match running performance over two consecutive games in hi		Exclude	-	-	-	-	-	-	No	-	-
Buchheit; S. C. Voss;	-	Physiological and performance adaptations to an in-season soccer camp in the heat: associations v		Exclude	-	-	-	-	-	-	No	-	-
Castle; R. W. Mackenz		Heat acclimation improves intermittent sprinting in the heat but additional pre-cooling offers no fi		Exclude	-	-	-	-	-	-	No	-	-
J. Cathcart; S. R. Mur D. Coso; N. Hamouti;	- 1	Combined carbohydrate-protein supplementation improves competitive endurance exercise perfor		Exclude	-	- N.	-	-	-	-	No	-	-
J. Coso; N. Hamouti; A. Daanen; A. G. Jonl		Relevance of individual characteristics for thermoregulation during exercise in a hot-dry environn Optimising the acquisition and retention of heat acclimation	Int J Sports Med	Exclude	-	No	-	-	-	-	- No	-	-
A. Daanen; A. G. Joni Dolan: H. O'Connor: A			J Sports Sci	Exclude Exclude	Yes	-[-				-		-
S. Elrobh; M. S. Alan		Molecular cloning and characterization of cDNA encoding a putative stress-induced heat-shock pi		Exclude	Yes	1	1	-		T.	-	+	1
R. Ely; S. N. Cheuvro		Limitations of salivary osmolality as a marker of hydration status		Exclude	-	No	-	-	-	-	-	-	-
R. Ely; M. R. Ely; S. 1		Marginal effects of a large caffeine dose on heat balance during exercise-heat stress	Int J Sport Nutr Exerc Me		-	-	-	-	-	-	No	-	-
R. Ely; R. W. Kenefic			J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
Epstein; W. O. Robert				Exclude	Yes	1-	-	-	-	-	-	-	-
Falk; R. Dotan	2011		Med Sport Sci	Exclude	-	1-	No	-	-	-	-	-	-
P. Ferguson; R. S. Bo	owen; . 2011		J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-
Gaoua; S. Racinais; J.	J. Gran 2011	Alterations in cognitive performance during passive hyperthermia are task dependent	Int J Hyperthermia	Exclude	-	-	-	-	-	-	No	-	-
T. Garrett; N. J. Rehre	er; M. 2011		Sports Med	Exclude	-	-	-	-	-	-	No	-	-
Goekint; B. Roelands	s; E. F 2011	Influence of citalopram and environmental temperature on exercise-induced changes in BDNF	Neurosci Lett	Exclude	Yes	-	-	-	-	-	-	-	-
S. Hood; J. P. Little; !	M. A. 2011	Low-volume interval training improves muscle oxidative capacity in sedentary adults	Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
Huang; W. Zhou; M.	L. Ca 2011	Is everyone hot in the city? Spatial pattern of land surface temperatures, land cover and neighborh	J Environ Manage	Exclude	Yes	-	-	-	-	-	-	-	-
J. Jackson	2011	Control of reactive oxygen species production in contracting skeletal muscle	Antioxid Redox Signal	Exclude	Yes	-	-	-	-	-	-	-	-
Kakigi; H. Naito; Y. C			J Physiol Sci	Exclude	-	-	-	-	-	-	-	-	No
W. Kenefick; S. N. Ch		DEET insect repellent: effects on thermoregulatory sweating and physiological strain	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
A. Kraft; J. M. Green;	P. A. 2011	Effects of heat exposure and 3% dehydration achieved via hot water immersion on repeated cycle	J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-

											= time trial, time to exhaustion, race pe	re temp, and thermal comfort during exerci	
				Decision	Pageon(s) for	r inclusion/exclus	ion:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exerci-	e.
Author	Year	Title	Journal	Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
M. Kuennen; T. Gillum		Thermotolerance and heat acclimation may share a common mechanism in humans	Am J Physiol Regul Integ	Exclude	-	-	-	-	-	-	No	-	-
J. Y. Lee; H. Wakabaya	ashi; T. 2011	Ethnic differences in thermoregulatory responses during resting, passive and active heating: applic	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
J. P. Little; A. J. Cochra	ran 2011	Regulating the regulators: the role of transcriptional regulatory proteins in the adaptive response to	J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
J. P. Little; A. Safdar; I	D. Bish (2011	An acute bout of high-intensity interval training increases the nuclear abundance of PGC-1 α and α	Am J Physiol Regul Integ	Exclude	Yes	-	-	-	-	-	-	-	-
Z. L. Liu; J. P. Liu; A. l	L. Zhan 2011	Chinese herbal medicines for hypercholesterolemia	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
S. Lorenzo; C. T. Mins			11 / /	Exclude	-	-	-	-	-	-	No	-	-
S. Matsumoto; M. Shir	modozo 2011	Effects of thermal therapy combining sauna therapy and underwater exercise in patients with fibro	Complement Ther Clin Pr	Exclude	-	No	-	-	-	-	-	-	-
J. Mehrholz; J. Kugler;		Water-based exercises for improving activities of daily living after stroke	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
B. F. Miller; D. Ellis; N	M. M. R 2011	Measurement of skeletal muscle collagen breakdown by microdialysis	Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
K. Miyagawa; Y. Kami	ijo; S. Il 2011	Reduced hyperthermia-induced cutaneous vasodilation and enhanced exercise-induced plasma wa	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
L. H. Naylor; H. Carter	er; M. G. 2011	Repeated increases in blood flow, independent of exercise, enhance conduit artery vasodilator fun	Am J Physiol Heart Circ I	Exclude	Yes	-	-	-	-	-	-	-	-
F. W. Ping; C. C. Keon	-	Effects of acute supplementation of Panax ginseng on endurance running in a hot & humid enviro	Indian J Med Res	Exclude	Yes	-	-	-	-	-	-	-	-
S. K. Powers; E. E. Tal			J Physiol	Exclude	-	No	-	-	-	-	-	-	-
H. Sareh; M. E. Tulapu	urkar; N 2011	Response of mice to continuous 5-day passive hyperthermia resembles human heat acclimation	Cell Stress Chaperones	Exclude	Yes	-	-	-	-	-	-	-	-
M. N. Sawka; L. R. Le	eon; S. J 2011	Integrated physiological mechanisms of exercise performance, adaptation, and maladaptation to h	Compr Physiol	Exclude	-	No	-	-	-	-	-	-	-
P. E. Sheffield; P. J. La	andrigan 2011	Global climate change and children's health: threats and strategies for prevention	Environ Health Perspect	Exclude	Yes	-	-	-	-	-	-	-	-
P. Sidhu; H. T. Peng; B	3. Cheur 2011	Simulation of differential drug pharmacokinetics under heat and exercise stress using a physiologic	Can J Physiol Pharmacol	Exclude	Yes	-	-	-	-	-	-	-	-
G. H. Simmons; B. J. V	Wong; I. 2011	Changes in the control of skin blood flow with exercise training: where do cutaneous vascular ada	Exp Physiol	Exclude	-	No	-	-	-	-	-	-	-
E. S. Soteriades; D. L.	Smith; 2011	Cardiovascular disease in US firefighters: a systematic review	Cardiol Rev	Exclude	-	No	-	-	-	-	-	-	-
L. Taylor; A. W. Midgl	ley; B. (2011	Daily hypoxia increases basal monocyte HSP72 expression in healthy human subjects	Amino Acids	Exclude	Yes	-	-	-	-	-	-	-	-
L. J. Teixeira; J. S. Vall	lbuza; G 2011	Physical therapy for Bell's palsy (idiopathic facial paralysis)	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
S. Vaapio; M. Salminer	en; T. Va 2011	Increased muscle strength improves managing in activities of daily living in fall-prone community	Aging Clin Exp Res	Exclude	Yes	-	-	-	-	-	-	-	-
G. D. Vladutiu; P. J. Isa	sackson; 2011	Genetic risk for malignant hyperthermia in non-anesthesia-induced myopathies	Mol Genet Metab	Exclude	Yes	-	-	-	-	-	-	-	-
H. Wakabayashi; T. Wi	ijayanto 2011	Comparison of heat dissipation response between Malaysian and Japanese males during exercise i	Int J Biometeorol	Exclude	-	-	-	-	-	-	No	-	-
L. Wang; H. Mascher;	N. Psila 2011	Resistance exercise enhances the molecular signaling of mitochondrial biogenesis induced by end	J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
B. Aisbett; A. Wolkow;	r; M. Spi 2012	Awake, smoky, and hot": providing an evidence-base for managing the risks associated with occu	Appl Ergon	Exclude	Yes	-	-	-	-	-	-	-	-
F. Almudehki; O. Girar	ırd; J. Gr 2012	Hot ambient conditions do not alter intermittent cycling sprint performance	J Sci Med Sport	Exclude	-	-	-	-	-	-	No	-	-
J. M. Alonso; P. Edoua	ard; G. F 2012	Determination of future prevention strategies in elite track and field: analysis of Daegu 2011 IAA	Br J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
L. Altan; N. Korkmaz;	M. Diz 2012	Effect of Pilates training on people with ankylosing spondylitis	Rheumatol Int	Exclude	Yes	-	-	-	-	-	-	-	-
A. Ascensão; P. J. Oliv	veira; J. 2012	Exercise as a beneficial adjunct therapy during Doxorubicin treatmentrole of mitochondria in ca	Int J Cardiol	Exclude	-	No	-	-	-	-	-	-	-
N. L. Ashworth; L. E. S	Satkuna 2012	Treatment for spasticity in amyotrophic lateral sclerosis/motor neuron disease	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
J. J. Augustine	2012	Running into trouble. Heat-related illnesses follow a summer race	EMS World	Exclude	-	No	-	-	-	-	-	-	-
M. F. Bergeron; R. Bah	hr; P. Bå 2012	International Olympic Committee consensus statement on thermoregulatory and altitude challenge	Br J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
C. Bleakley; S. McDon	nough; 12012			Exclude	Yes	-	-	-	-	-	-	-	-
A. Burk; S. Timpmann	-		Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
P. Castrogiovanni; R. I	Imbesi 2012	Oxidative stress and skeletal muscle in exercise	Ital J Anat Embryol	Exclude	-	No	-	-	-	-	-	-	-
J. N. Cobley; J. D. Bart		PGC-1α transcriptional response and mitochondrial adaptation to acute exercise is maintained in s	Biogerontology	Exclude	Yes	-	-	-	-	-	-	-	-
A. M. Costa; L. Breiter	enfeld; A 2012	Genetic inheritance effects on endurance and muscle strength: an update	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
T. L. M. de Backer; R.			Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
P. J. Derbyshire; H. Ba	arr; F. D. 2012		J Physiol Sci	Exclude	-	No	-	-	-	-		-	-
M. P. Dunay; C. Jakab;			Acta Vet Hung	Exclude	Yes	-	-	-	-	-	-	-	-
S. Engeli; A. L. Birken		Natriuretic peptides enhance the oxidative capacity of human skeletal muscle	J Clin Invest	Exclude	Yes	-	-	-	-	-	-	-	-
N. Fujii; Y. Honda; T. O		Short-term exercise-heat acclimation enhances skin vasodilation but not hyperthermic hyperpnea	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
D. Gagnon; A. G. Lynn	-	Mean arterial pressure following prolonged exercise in the heat: influence of training status and fl		Exclude	Yes	-	-	-	-	-	-	-	-
A. T. Garrett; R. Creas		Effectiveness of short-term heat acclimation for highly trained athletes	Eur J Appl Physiol	Exclude	-	-		-	-	-	No	-	-
M. Gayda; L. Bosquet;		Effects of sauna alone versus postexercise sauna baths on short-term heart rate variability in patier			-	-	-	-	-	-	Yes	No	-
M. Gayda; F. Paillard;		Effects of sauna alone and postexercise sauna baths on blood pressure and hemodynamic variable	•		-	-	-	-	-	-	-	No	-
L. D. Gillespie; M. C. I			Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
A. Gross; M. Forget; K			Cochrane Database of Sys		Yes	-		-	-	-	-	-	-
P. Hämäläinen; A. Ikon		The effects of heat stress on cognition in persons with multiple sclerosis	Mult Scler	Exclude	-	-	-	-	-	No	-	-	
G. L. Hartley; A. D. Fle		The effect of a covert manipulation of ambient temperature on heat storage and voluntary exercise		Exclude	-	-	-	-	-	-	No	-	
Y. Heled; A. Peled; R.		Heat acclimation and performance in hypoxic conditions	Aviat Space Environ Med		-	-	-	-	-	_	No	-	-
L. L. Hom; E. C. Lee;		Eleven days of moderate exercise and heat exposure induces acclimation without significant HSP		Exclude	-	_	-	-	-	_	No	-	_
Y. Huang; T. Wu; L. Ze			Cochrane Database of Sys		Yes	-		_	-	_		_	_
O. Hue	2012	Living and training in a tropical environment: a challenge for aerobic exercise applied knowledge		Exclude	-	No	-	_	-	_	_	_	-
M. Iguchi; A. E. Littma			J Athl Train	Exclude		-10					No		

												re temp, and thermal comfort during exercis	or lactate threshold. se.
				Decision	Reason(s) for	inclusion/exclus	ion:					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Luthor	Year	Title	Journal	Include or exclude?	Irrelevant / of topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
James	2012	Milk protein and the restoration of fluid balance after exercise	Med Sport Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Jimenez; J. O. Fortra	at; B. D 2012	Moderate exercise effects on orthostatic intolerance while wearing protective clothing	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
A. Kavouras; G. Arna	naoutis; 2012	Educational intervention on water intake improves hydration status and enhances exercise perform	Scand J Med Sci Sports	Exclude	-	No	-	-	-	-	-	-	-
. Maciejewska; M. Sa		0 ,	J Sports Sci	Exclude	Yes	-	-	-	-	-	-	-	-
V. Maltseva; E. A. R	Ryabenk 2012	Effect of exercise on the expression of HSPBP1, PGLYRP1, and HSPA1A genes in human leukoc	Bull Exp Biol Med	Exclude	Yes	-	-	-	-	-	-	-	-
. Martinez; D. Jones; l		Blocking the beta-adrenergic system does not affect sweat gland function during heat acclimation		Exclude	-	-	-	-	-	-	No	-	-
. Mestre-Alfaro; M. D		1 1	Free Radic Res	Exclude	Yes	-	-	-	-	-	-	-	-
Milisav; B. Poljsak; I	-		Int J Mol Sci	Exclude	-	No	-	-	-	-	-	-	-
Mora-Rodriguez	2012		Exerc Sport Sci Rev	Exclude	-	No	-	-	-	-	-	-	-
Mora-Rodriguez; R.		A standard blood bank donation alters the thermal and cardiovascular responses during subsequen		Exclude	Yes	-	-	-	-	-	-	-	-
Mora-Rodriguez; N.			Med Sport Sci	Exclude	Yes	-	-	-	-	-	-	-	-
. C. Niehaus; M. J. Ar	-		J Exp Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Ohori; T. Nozawa; H		Effect of repeated sauna treatment on exercise tolerance and endothelial function in patients with		Exclude	-	-	-	-	-	No	-	-	-
. J. Page; D. O'Conno				s Exclude	Yes	-	-	-	-	-	-	-	-
. C. Petersen; M. J. M		Infusion with the antioxidant N-acetylcysteine attenuates early adaptive responses to exercise in h		Exclude	Yes	-	-	-	-	-	-	-	-
Y. Poh; L. E. Armstro	0.		Aviat Space Environ Med		-	No	-	-	-	-	-	-	-
Racinais; M. Mohr; N		Individual responses to short-term heat acclimatisation as predictors of football performance in a I		Exclude	-	No	-	-	-	-	-	-	-
Romberg; A. Ikonen		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	J Neurol Sci	Exclude	-	-	-	-	-	No	-	-	-
H. Ross; M. C. Stern		Methamphetamine exposure and chronic illness in police officers: significant improvement with s		Exclude	Yes	-	-	-	-	-	-	-	-
L. Ruas; J. P. White; l		5 C	Cell	Exclude	Yes	-	-	-	-	-	-	-	-
Salathé; C. Pellaton;			Rev Med Suisse	Exclude	-	-	No	-	-	-	-	-	-
G. Sazontova; O. S. O		[Adaptation to hypoxia and hyperoxia improves physical endurance: the role of reactive oxygen s		c Exclude	-	-	No	-	-	-	-	-	-
Scheef; J. Jankowski		An fMRI study on the acute effects of exercise on pain processing in trained athletes	Pain	Exclude	Yes	-	-	-	-	-	-	-	-
. E. Sears; K. J. Kerr;	,	,,,,,	J Environ Public Health	Exclude	Yes	-	-	-	-	-	-	-	-
. Skein; R. Duffield; J		Self-paced intermittent-sprint performance and pacing strategies following respective pre-cooling		Exclude	-	-	-	-	-	-	No	-	-
. N. Soto Ruiz; E. Eze	-		Rev Enferm	Exclude	-	-	No	-	-	-	-	-	-
K. Stepto; B. Benzia		Short-term intensified cycle training alters acute and chronic responses of PGC1α and Cytochrom		Exclude	Yes	-	-	-	-	-	-	-	-
Summermatter; C. H			Int J Obes (Lond)	Exclude	-	No	-	-	-	-	-	-	-
. E. Symonds; M. Pop		Adipose tissue development during early life: novel insights into energy balance from small and la		Exclude	Yes	-	-	-	-	-	-	-	-
. Tanaka; M. Shimoda	.,	Influences of raised ambient temperature on cardiorespiratory performance in a 3-minute step test		Exclude	-	-	-	-	-	-	No	-	-
Taylor; A. R. Hillman		Hypoxia-mediated prior induction of monocyte-expressed HSP72 and HSP32 provides protection		Exclude	Yes	-	-	-	-	-	-	-	-
. Tobías; J. Díaz; C. L			Sci Total Environ	Exclude	-	No	-	-	-	-	-	-	-
Tsuji; Y. Honda; N. I	, .	Comparison of hyperthermic hyperventilation during passive heating and prolonged light and mod		Exclude	-	-	-	-	-	-	No	-	-
Amatya; F. Khan; L.			Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Ammendolia; K. J. S			Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
F. Archer; F. Z. Stand		Pharmacokinetics and adhesion of the Agile transdermal contraceptive patch (AG200-15) during of		Exclude	Yes	-	-	-	-	-	-	-	-
Artopoulos; A. S. Jus			J Prosthet Dent	Exclude	Yes	- N.	-	-	-	-	-	-	-
. F. Bergeron	2013		Pediatr Rev	Exclude	-	No	-	-	-	-	- NI.	-	-
Brade; B. Dawson; K		r · · · · · · · · · · · · · · · · · · ·	J Sports Sci Probosp Disaster Med	Exclude	-	- N.	-	-	-	-	No	-	-
B. Brearley; M. F. H		Physiological responses of medical team members to a simulated emergency in tropical field cond		Exclude	-	No	-	-	-	-	- No	-	-
Buchheit; S. Racina J. Buller: W. J. Thar		Adding heat to the live-high train-low altitude model: a practical insight from professional footbal	Br J Sports Med Physiol Meas	Exclude	-	No.	-	-	-	-	No	-	-
. J. Buller; W. J. Thar C. Castle: B. P. Kular	. ,	P	,	Exclude	-	No	-	-	-	NI o	-	- -	-
			Eur J Appl Physiol	Exclude	-	-	-	-	-	No	No.		-
J. Cook; C. M. Beave J. Crystal; D. H. Tow			Br J Sports Med	Exclude	Vac	-	-	-	-	-	No		-
J. Crystai; D. H. 10w A. Dyer; N. D. Harri		Effect of cryotherapy on muscle recovery and inflammation following a bout of damaging exercis Activity levels after pulmonary rehabilitation - what really happens?	Physiotherapy	Exclude Exclude	Yes Yes	-	-	-	-	-	-		-
			Am J Cardiol			-		-	-	-	-	-	-
P. Earnest; N. M. JohP. Earnest; M. Lupo;			Am J Cardioi Int J Sports Med	Exclude Exclude	Yes Yes	-	-	-	-	-	-	-	-
		Ü			1 08	-	-	-	-	-	- No	+	-
R. Ely; K. J. Sollanel Epstein; Y. Heled; I.		Hypohydration and acute thermal stress affect mood state but not cognition or dynamic postural b The effect of air permeability characteristics of protective garments on the induced physiological:		Exclude	- Yes	-	-	-	-	-	INO		-
Folkesson; A. L. Ma		The expression of heat shock protein in human skeletal muscle: effects of muscle fibre phenotype		Exclude Exclude	Yes	-	-	-	-	-	-		-
B. Fortes; U. Di Feli			Med Sci Sports Exerc		1 68	-	-	-	-	-	- No	-	-
Gillum; M. Kuennen		1 1	-	Exclude	-	-	-	-	-	-		+	-
Girard; D. J. Bishop;		Sex differences in heat shock protein 72 expression in peripheral blood mononuclear cells to acute Hot conditions improve power output during repeated cycling sprints without modifying neuromu		Exclude	-	-	-	-	-	-	No No	+	-
				Exclude	-	-	•	-	-	-	No No	-	-
Hodge; D. Jones; R.	. Martin 2013 Thöny; 12013	Time course of the attenuation of sympathetic nervous activity during active heat acclimation Combined whole-body vibration, resistance exercise, and sustained vascular occlusion increases F	Auton Neurosci	Exclude Exclude	Yes	-	-	-	-	-	No	-	-

Author Year Jiang; L. Deng; T. Wu 2013 B. C. Johnson; F. W. Kolkhors 2013 J. Kim; Y. Seo; J. H. Kim; 12013 K. Kishore; K. Ray; J. P. Anan 2013 C. Kishore; K. Ray; J. P. Anan 2013 E. Kroeling; A. Gross; N. Grab 2013 J. E. Liei, L. Z. Kig; J. Zhu, G. 2013 J. Li; R. G. McGee; G. K. Isb 2013 J. Li; R. G. McGee; G. K. Isb 2013 J. Li; G. Lusardi 2013 J. L. Liu; L. Z. Kig; J. Zhu, G. 2013 J. E. López-Diazguerrero; V. 2013 J. M. Delland, J. L. Cander, 2013 J. M. McLellan, H. A. Daanen 2013 J. M. McLellan, H. A. Daanen 2013 J. R. Mikkelsen; G. Paulsen; 12013 R. J. Machamara; Z. J. McKeo 2013 J. R. Mikkelsen; G. Paulsen; 12013 C. O'Brien; B. S. Cadarette 2013 D. Perrier; A. Demazzieres; N. 12013 J. Persinander; P. Frank; M. Flo 2013 J. Reisands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sanchis-Gomar 2013 S. Sanchis-Gomar 2013									*Performance/capacity	time trial, time to exhaustion, race pe	rformance, VO2max, economy/efficiency,	or lactate threshold.
J. Jiang; L. Deng; T. Wu 2013 J. Johnson; F. W. Kolkhors 2013 J. J. Kim; Y. Seo; J. H. Kim; 12013 J. Kishore; K. Ray; J. P. Anan 2013 J. Kroeling; A. Gross; N. Grah 2013 J. Ling; C. B. Gross; N. Grah 2013 J. Ling; C. B. Brown; A. P. L. 2013 J. Li; R. G. McGee; G. K. Isb 2013 J. Lipp, G. Lusardi 2013 J. Liu; L. Z. Kie; J. Zhu; G. 2013 J. B. Michelm, J. L. Deser 2013 J. P. McDermott; D. J. Casa; 12013 J. Maughan; N. L. Meyer 2013 J. M. McLellan; H. A. Daamer 2013 J. J. Manamar; Z. J. McKeo 2013 J. R. Mikkelsen; G. Paulsen; 12013 J. R. Mikkelsen; G. Paulsen; 12013 J. C. O'Brien; B. S. Cadarette 2013 J. Perrier; A. Demazières; N. 2013 J. R. Silsander; P. Frank; M. Flo 2013 J. R. Sandad; J. de Koning; C. 2013 S. Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 L. Sarchis-Gomar 2013 L. Sarchis-Gomar 2013 L. E. Schriner; K. Lee; S. True 2013			Dogicion	Paggan(a) for i	inalusian/avalus	ion:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	se.
E. C. Johnson; F. W. Kolkhors 2013 B. J. Kim; Y. Seo; J. H. Kim; 12013 B. J. Kim; Y. Seo; J. H. Kim; 12013 C. Kroeling; A. Gross; N. Graft 2013 C. Kroeling; A. Gross; N. Graft 2013 C. F. Lee; S. R. Brown; A. Staj 2013 C. F. Lee; S. R. Brown; A. Staj 2013 C. L. Liu; R. G. McGiee; G. K. Isb) 2013 C. L. Liu; L. Z. Xie; J. Zhu; G. 2013 C. L. Liu; L. Z. Xie; J. Zhu; G. 2013 C. L. Liu; L. Z. Xie; J. Zhu; G. 2013 C. J. Maughan; N. L. Meyer C. 2013 D. P. McDermott; D. J. Casa; 12013 C. M. McLellan; H. A. Daanen 2013 D. R. McNamara; Z. J. McKeo 2013 J. R. Mikkelsen; G. Paulsen; 12013 C. Mikelsen; G. Paulsen; 12013 C. O'Brien; B. S. Cadarette C. J. M. McLellan; C. Johnson; J. 2013 C. O'Brien; B. S. Cadarette Colling; C. 2013 C. Perrier; A. Demazières; N. 12013 C. Perrier; A. Demazières; N. 12013 C. Perrier; P. Frank; M. Flo; 2013 R. Roelands; J. de Koning; C. 2013 Sanchis-Gomar Colling; C. 2013 C. Searchis-Gomar Colling; C. 2013 C. 2013 C. 2014 C. 2015 C. 2015 C. 2015 C. 2015 C. 2015 C. 2016 C. 2016 C. 2016 C. 2017 C. 2017 C. 2017 C. 2017 C. 2017 C. 2017 C. 2018 C.	Title	Journal	Include or exclude?	Irrelevant / off- topic?	- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
J. Kim, Y. Seo; J. H. Kim; I 2013 Kishore; K. Ray; J. P. Anan 2013 Kroeling; A. Gross; N. Grah 2013 E. Lee; S. R. Brown; A. P. L. 2013 E. Lee; S. R. Brown; A. P. L. 2013 E. Li; R. G. McGee; G. K. Isb 2013 E. Lipp; G. Lusardi 2013 E. López-Diazguerrero; V. 2013 E. López-Diazguerrero; V. 2013 E. López-Diazguerrero; V. 2013 E. López-Diazguerrero; V. 2013 E. Maghan; N. L. Meyer 2013 E. McDermott; D. J. Casa; 12013 E. McMcLellan; H. A. Daaner 2013 J. McNamara; Z. J. McKeo 2013 E. Mikkelsen; G. Paulsen; 12013 E. Mikkelsen; G. Paulsen; 12013 E. Mikelsen; B. S. Cadarette 2013 Perrier; A. Demaziere; N. 42013 E. Persilanova-Dubrova; N. 2013 Psilander; P. Frank; M. Floi 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Eschriner; K. Lee; S. True 2013 E. Schriner; K. Lee; S. True 2013	Chinese medicinal herbs for influenza	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Kishore; K. Ray; J. P. Anari 2013 Kroeling; A. Gross; N. Grah 2013 Larose; H. E. Wright; J. Staj 2013 Li; R. G. McGee; G. K. Isb 2013 J. Maughan; N. L. Meyer 2013 J. Maughan; N. L. Meyer 2013 J. McMermott; D. J. Consa; 2013 J. McMarmara; Z. J. McKeo 2013 J. McNamara; J. J. McKeo 2013 J. McNamara; J. J. McKeo 2013 R. Mikkelsen; G. Paulsen; 12013 Mora-Rodriguez; N. Hamo 2013 J. McNamara; J. McKeo 2013 R. Mikkelsen; N. 2013 Perrier, A. Demazières; N. 12013 O'Brien; B. S. Cadarette 2013 Perrier, A. Demazières; N. 2013 Persiander; P. Frank; M. Floi 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sawa; H. Hara; T. Ida; S. F; 2013 E. Schriner; K. Lee; S. Truz 2013	Specific exercise heat stress protocol for a triathlete's return from exertional heat stroke	Curr Sports Med Rep	Exclude	-	No	-	-	-	-	-	-	-
Kroeling; A. Gross; N. Grah 2013 Larose; H. E. Wright, J. Sta 2013 Lir, R. G. McGee; G. K. Isb 2013 Lip; G. Lusardi 2013 Lip; G. Lusardi 2013 L. Liu, L. Z. Xie; J. Zhu, G. 2013 J. Maughan; N. L. Meyer 2013 J. Maughan; N. L. Meyer 2013 J. McMenmara; Z. J. McKeo 2013 J. McNamara; Z. J. McKeo 2013 R. Mikkelsen; G. Paulsen; 12013 Mora-Rodriguez; N. Hamol 2013 X. Muñoz, E. C. Johnson; J. 2013 O'Brien; B. S. Cadarette 2013 Perrier, A. Demazières; N. (2013 L. Persiianova-Dubrova; N. 2013 Pallander; P. Frank; M. Flo; 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sanchis-Gomar 2013 Sawa; H. Hara; T. Ida; S. F; 2013 E. Schriner; K. Lee; S. True 2013	Effect of caffeine intake on finger cold-induced vasodilation	Wilderness Environ Med	Exclude	Yes	-	-	-	-	-	-	-	-
Larose; H. E. Wright; J. Staj 2013 F. Lee; S. R. Brown; A. P. L. 2013 Li; R. G. McGee; G. K. Isb 2013 Li; R. G. McGee; G. K. Isb 2013 Lipp; G. Lusardi 2013 L. Liu; L. Z. Xie; J. Zhu; G. 2013 L. Liu; L. Z. Xie; J. Zhu; G. 2013 L. Liu; L. Z. Xie; J. Zhu; G. 2013 L. Liu; L. Z. Xie; J. Zhu; G. 2013 L. Liu; L. Z. Xie; J. Zhu; G. 2013 L. Liu; L. Z. Xie; J. Zhu; G. 2013 J. McNamara; Z. J. McKeo 2013 M. McLellan; H. A. Daanen 2013 J. McNamara; Z. J. McKeo 2013 R. Mikkelsen; G. Paulsen; 2013 Mora-Rodriguez; N. Hamo 2013 X. Muñoz; E. C. Johnson; J. 2013 O'Brien; B. S. Cadarette 2013 Perrier; A. Demazières; N. 42013 Perrier; A. Demazières; N. 2013 Psilander; P. Frank; M. Flot 2013 Roelands; J. de Koning; C. 2013 Sana; H. Hara; T. Ida; S. Fi 2013 Sawa; H. Hara; T. Ida; S. Fi 2013 Sawa; H. Hara; T. Ida; S. Fi 2013	Tyrosine ameliorates heat induced delay in event related potential P300 and contingent negative v	Brain Cogn	Exclude	Yes	-	-	-	-	-	-	-	-
F. Lee; S. R. Brown; A. P. L. 2013 Li; R. G. McGee; G. K. Isb 2013 Li; R. G. McGee; G. K. Isb 2013 Li; R. G. McGee; G. K. Isb 2013 L. Liu; L. Z. Xie; J. Zhu; G. 2013 E. López-Diazguerrero; V. 2013 E. López-Diazguerrero; V. 2013 E. López-Diazguerrero; V. 2013 E. McMermott; D. J. Casa; 12013 M. McLellan; H. A. Daaner 2013 J. McNamara; Z. J. McKeo 2013 R. Mikkelsen; G. Paulsen; 12013 J. McNamara; Z. J. McKeo 2013 R. Mikkelsen; N. Paulonia 2013 X. Muñoz; E. C. Johnson; J. 2013 O'Brien; B. S. Cadarette 2013 Perrier; A. Demazières; N. 42013 Perrier, A. Demazières; N. 42013 Pesilander; P. Frank; M. Floi 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sawa; H. Hara; T. Ida; S. F; 2013 E. Schriner; K. Lee; S. Truz 2013	Electrotherapy for neck pain	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Li; R. G. McGee; G. K. Isb 2013 Lipp; G. Lusardi 2013 L. Liu; L. Z. Xie; J. Zhu; G. 2013 L. Maughan; N. L. Meyer 2013 J. Maughan; N. L. Meyer 2013 J. Maughan; N. L. Meyer 2013 J. McNemara; Z. J. McKeo 2013 J. McNamara; Z. J. McKeo 2013 J. McNamara; Z. J. McKeo 2013 J. McNamara; Z. J. McKeo 2013 Mora-Rodriguez; N. Hamo 2013 Mora-Rodriguez; N. Hamo 2013 O'Brien; B. S. Cadarette 2013 O'Brien; B. S. Cadarette 2013 Perriter, A. Demazières; N. (2013 L. Persiianova-Dubrova; N. 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sawa; H. Hara; T. Ida; S. F; 2013 E. Schriner; K. Lee; S. True 2013	Whole body heat loss is reduced in older males during short bouts of intermittent exercise	Am J Physiol Regul Integ		-	-	-	-	-	-	No	-	-
Lipp; G. Lusardi 2013 L. Liu, L. Z. Xie; J. Zhu; G 2013 L. Liu, L. Z. Xie; J. Zhu; G 2013 J. Maughan; N. L. Meyer 2013 J. McNamari, N. L. Meyer 2013 P. McDermott; D. J. Casa; 12013 M. McLellan; H. A. Daanet 2013 R. Mikkelsen; G. Paulsen; 12013 Mora-Rodriguez; N. Hamor 2013 R. Mikkelsen; G. Paulsen; 12013 Mora-Rodriguez; N. 12013 Co'Brien; B. S. Cadarette 2013 Perrier; A. Demazèires; N. 12013 L. Persiianova-Dubrova; N. 2013 Persier; A. Demazèires; N. 2013 L. Persiianova-Dubrova; N. 2013 Roelands; J. de Koning; C. 2013 Sanechis-Gomar 2013 Sawa; H. Hara; T. Ida; S. F; 2013 E. Schriner; K. Lee; S. Tuu 2013	Effect of an aerodynamic helmet on head temperature, core temperature, and cycling power comp	-	Exclude	Yes	-	-	-	-	-	-	-	-
L. Liu; L. Z. Xie; J. Zhu; G 2013 E. López-Diazguerrero; V. '2013 J. Maughan; N. L. Meyer 2013 P. McDermott; D. J. Casa; 12013 M. McLellan; H. A. Daanen 2013 J. McNamara; Z. J. McKeo 2013 R. Mikkelsen; G. Paulsen; 12013 Mora-Rodriguez; N. Hamo 2013 X. Muñoz; E. C. Johnson; J 2013 O'Brien; B. S. Cadarette 2013 Perrier; A. Demazières; N. +2013 Perrier; A. Demazières; N. 2013 Psilander; P. Frank; M. Flot 2013 Roelands; J. de Koning; C. 2013 Sawa; H. Hara; T. Ida; S. F; 2013 Sawa; H. Hara; T. Ida; S. F; 2013 Sawa; H. Hara; T. Ida; S. F; 2013	Interventions for the symptoms and signs resulting from jellyfish stings	Cochrane Database of Sys		Yes	-	-	-	-	-	•	-	-
E. López-Diazguerrero; V. 2013 J. Maughan; N. L. Meyer 2013 P. McDermott; D. J. Casa; 12013 M. McLellan; H. A. Daaner 2013 J. McNamara; Z. J. McKeo 2013 R. Mikkelsen; G. Paulsen; 12013 Mora-Rodriguez; N. Hamo 2013 X. Muhoz; E. C. Johnson; J2013 O'Brien; B. S. Cadarette 2013 Perrier; A. Demazières; N. (2013 Perrier; A. Demazières; N. 42013 Persilander; P. Frank; M. Flot 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sawa; H. Hara; T. Ida; S. F; 2013 E. Schriner; K. Lee; S. Truz 2013	Systemic antimicrobial prophylaxis for percutaneous endoscopic gastrostomy	Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
J. Maughan; N. L. Meyer 2013 P. McDermott; D. J. Casa; 12013 M. McLellan; H. A. Daanet 2013 J. McNamara; Z. J. McKeo 2013 R. Mikkelsen; G. Paulsen; 12013 Mora-Rodriguez; N. Hamoi 2013 X. Muñoz; E. C. Johnson; J. 2013 O'Brien; B. S. Cadarette 2013 Perrier; A. Demazières; N. 12013 L. Persiianova-Dubrova; N. 2013 Pailander; P. Frank; M. Flo; 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sawa; H. Hara; T. Ida; S. F; 2013 E. Schriner; K. Lee; S. Truz 2013	Herbal medicines for fatty liver diseases	Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
P. McDermott, D. J. Casa; I 2013 M. McLellan, H. A. Daanert 2013 J. McNamara; Z. J. McKeo 2013 J. McNamara; Z. J. McKeo 2013 Mora-Rodriguez; N. Hamoi 2013 X. Muloz; E. C. Johnson; J 2013 O'Brien; B. S. Cadarette 2013 Perrier; A. Demazières; N. 42013 L. Persiianova-Dubrova; N. 2013 Psilander; P. Frank; M. Flo; 2013 Roelands; J. de Koning; C. 2013 Sawa; H. Hara; T. Ida; S. F; 2013 Sawa; H. Hara; T. Ida; S. F; 2013 E. Schriner; K. Lee; S. Truz 2013	[Hormesis: What doesn't kill you makes you stronger]	Gac Med Mex	Exclude	-	- N.	No	-	-	-	-	-	-
M. McLellan; H. A. Daanerl 2013 J. McNamara; Z. J. McKeo 2013 R. Mikkelsen; G. Paulsen; 2013 Mora-Rodriguez; N. Hamoi 2013 X. Muñoz; E. C. Johnson; J 2013 O'Brien; B. S. Cadarette 2013 Perrier; A. Demazières; N. (2013 Perrier; A. Demazières; N. (2013 Psilander; P. Frank; M. Floi 2013 Roelands; J. de Koning; C. 2013 Sanachis-Gomar 2013 Sawa; H. Hara; T. Ida; S. F; 2013 Sawa; H. Hara; T. Ida; S. F; 2013	Hydration during intense exercise training		Exclude	- V	No	-	-	-	-	-	-	-
J. McNamara; Z. J. McKeo 2013 R. Mikkelsen; G. Paulsen; 12013 Mora-Rodriguez; N. Hamo 2013 X. Muhoz; E. C. Johnson; J2013 O'Brien; B. S. Cadarette 2013 Perrier; A. Demazières; N. (2013 L. Persiianova-Dubrova; N. 2013 Psilander; P. Frank; M. Flot 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sawa; H. Hara; T. Ida; S. F; 2013 E. Schriner; K. Lee; S. Truz 2013	Thermoregulation and stress hormone recovery after exercise dehydration: comparison of rehydra Encapsulated environment	J Athl Train Compr Physiol	Exclude Exclude	Yes	-	-	-	-	-	-	-	-
R. Mikkelsen; G. Paulsen; 12013 Mora-Rodriguez; N. Hamoz 2013 X. Muñoz; E. C. Johnson; J. 2013 O'Brien; B. S. Cadarette 2013 Perrier; A. Demazières; N. 12013 L. Persiianova-Dubrova; N. 2013 L. Persiianova-Dubrova; N. 2013 Roelands; J. de Koning; C. 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sawa; H. Hara; T. Ida; S. F.; 2013 E. Schriner; K. Lee; S. Truz 2013		Cochrane Database of Sys			-	-	-	-	-	-	-	-
Mora-Rodriguez, N. Hamoi 2013 X. Muñoz, E. C. Johnsson, J 2013 O'Brien, B. S. Cadarette 2013 Perrier, A. Demazières, N. (2013 L. Persiianova-Dubrova; N 2013 Psilander, P. Frank; M. Flo; 2013 Roelands, J. de Koning; C. 2013 Sanchis-Gomar 2013 Sawa; H. Hara; T. Ida; S. F; 2013 E. Schriner, K. Lee; S. Truz 2013	Water-based exercise training for chronic obstructive pulmonary disease The heat shock protein response following eccentric exercise in human skeletal muscle is unaffec		Exclude	Yes	-	-	-	-	-	No.	-	-
X. Muñoz; E. C. Johnson; J 2013 O'Brien; B. S. Cadarette 2013 Perrier; A. Demazières; N. 2013 L. Persiianova-Dubrova; N. 2013 Psilander; P. Frank; M. Flo: 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar Sawa; H. Hara; T. Ida; S. Fi 2013 E. Schriner; K. Lee; S. Truz 2013	Fluid ingestion is more effective in preventing hyperthermia in aerobically trained than untrained	11 /		-	-	-	-	-	-	No	-	-
O'Brien; B. S. Cadarette 2013 Perrier; A. Demazières; N. (2013 L. Persiianova-Dubrova; N. 2013 Psilander; P. Frank; M. Flo; 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sawa; H. Hara; T. Ida; S. F; 2013 E. Schriner; K. Lee; S. Truz 2013	Assessment of hydration biomarkers including salivary osmolality during passive and active dehy		Exclude	Yes	-	-	-	-	-	NO	-	-
Perrier; A. Demazières; N. (2013 L. Persiianova-Dubrova; N. 2013 Psilander; P. Frank; M. Flot 2013 Roelands; J. de Koning C. 2013 Sanchis-Gomar 2013 Sawa; H. Ihara; T. Ida; S. Fl 2013 E. Schriner; K. Lee; S. Truq 2013	Quantification of head sweating during rest and exercise in the heat	Eur J Appl Physiol	Exclude	165		-			-	No		
L. Persiianova-Dubrova; N 2013 Psilander; P. Frank; M. Flo 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sawa; H. Ihara; T. Ida; S. Fi 2013 E. Schriner; K. Lee; S. Truc 2013	Circadian variation and responsiveness of hydration biomarkers to changes in daily water intake		Exclude	Yes						-		
Psilander; P. Frank; M. Flo 2013 Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sawa; H. Ihara; T. Ida; S. Fi 2013 E. Schriner; K. Lee; S. Truc 2013	[Thermal therapy for the management of cardiovascular pathology]		Exclude	-		No						
Roelands; J. de Koning; C. 2013 Sanchis-Gomar 2013 Sawa; H. Ihara; T. Ida; S. F. 2013 E. Schriner; K. Lee; S. Truc 2013	Exercise with low glycogen increases PGC-1a gene expression in human skeletal muscle	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Sawa; H. Ihara; T. Ida; S. F. 2013 E. Schriner; K. Lee; S. Truc 2013	Neurophysiological determinants of theoretical concepts and mechanisms involved in pacing	Sports Med	Exclude	Yes	-	-	-	-	-		-	-
E. Schriner; K. Lee; S. Truc 2013	Sestrins: novel antioxidant and AMPK-modulating functions regulated by exercise?	J Cell Physiol	Exclude	Yes	-	-	-	-	-		-	-
	Formation, signaling functions, and metabolisms of nitrated cyclic nucleotide	Nitric Oxide	Exclude	Yes	-	-	-	-	-	-	-	-
	Extension of Drosophila lifespan by Rhodiola rosea through a mechanism independent from dieta	PLoS One	Exclude	Yes	-	-	-	-	-	-	-	-
Shen; T. Wang; C. Li 2013	[Study on real-time wearable monitoring system for human heat and cold stresses]	Sheng Wu Yi Xue Gong C	Exclude	-	-	No	-	-	-	-	-	-
J. Shephard 2013	Ramadan and sport: minimizing effects upon the observant athlete	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
. Sobajima; T. Nozawa; H. I 2013	Repeated sauna therapy improves myocardial perfusion in patients with chronically occluded core	Int J Cardiol	Exclude	-	-	-	-	-	No	-	-	-
M. Stapleton; J. E. Yardley; 2013	Whole-body heat loss during exercise in the heat is not impaired in type 1 diabetes	Med Sci Sports Exerc	Exclude	-	-	-	-	-	No	-	-	-
L. Stearns; L. N. Belval; D. 2013	Two environmental symptoms questionnaires during 10 days of exercise-heat acclimation	Aviat Space Environ Med	Exclude	-	-	-	-	-	-	No	-	-
Stellingwerff 2013	Contemporary nutrition approaches to optimize elite marathon performance	Int J Sports Physiol Perfor	Exclude	-	No	-	-	-	-	-	-	-
. Sun; S. Qian; Q. Jiang; K. 12013	Hyperthermia-induced disruption of functional connectivity in the human brain network	PLoS One	Exclude	-	-	-	-	-	-	No	-	-
Tesarz; A. Gerhardt; K. Sch. 2013	Alterations in endogenous pain modulation in endurance athletes: an experimental study using qu		Exclude	Yes	-	-	-	-	-	-	-	-
Tian; X. Guo; X. Wang; Z. 2013	Chromium picolinate supplementation for overweight or obese adults	Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
E. Turner; S. J. Bennett; J. P 2013	The antioxidant enzyme peroxiredoxin-2 is depleted in lymphocytes seven days after ultra-endura		Exclude	Yes	-	-	-	-	-	-	-	-
Utsuki 2013	Automatic control system of brain temperature by air-surface cooling for therapeutic hypothermia			Yes	-	-	-	-	-	•	-	-
G. Versey; S. L. Halson; B. 2013	Water immersion recovery for athletes: effect on exercise performance and practical recommenda		Exclude	-	No	-	-	-	-	-	-	-
Vesić; M. Vukasinović-Vesi 2013	The effects of acclimatization on blood clotting parameters in exertional heat stress	Vojnosanit Pregl	Exclude	-	-	-	-	-	-	No	-	-
P. Vogel; H. M. West; T. Do 2013		Cochrane Database of Sys		Yes	-	-	-	-	-	- N.	-	-
Wang; C. Gao; K. Kuklane; 2013 T. White; T. A. Vanhaitsma; 2013	Effects of various protective clothing and thermal environments on heat strain of unacclimated m Effect of passive whole body heating on central conduction and cortical excitability in multiple sc		Exclude Exclude	-	-	-	-	-	- No	No	•	-
Wijayanto; S. Toramoto; Y. 2013	Passive heat exposure induced by hot water leg immersion increased oxyhemoglobin in pre-fronts			-	-	-	-	-	NO	No No	-	-
E. Wright; J. Larose; T. M. 2013	Do older firefighters show long-term adaptations to work in the heat?	J Occup Environ Hyg	Exclude Exclude	-	No	-	-	-	-	INO	-	-
Yamazaki 2013		J uoeh	Exclude	-	INO	-	-	-	-	No	-	-
Alderson; G. Campbell; A. 12014	Thermal insulation for preventing inadvertent perioperative hypothermia	Cochrane Database of Sys		Yes						-		
F. Alghannam; K. Tsintzas; 2014	Post-Exercise Protein Trial: Interactions between Diet and Exercise (PEPTIDE): study protocol for		Exclude	Yes	-	-	-	-	-	-	-	-
Baar 2014	Nutrition and the adaptation to endurance training	Sports Med	Exclude	-	No		_	-	-	-	-	-
Baillot; S. Le Bris; O. Hue 2014	Fluid replacement strategy during a 27-Km trail run in hot and humid conditions	Int J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Bandeira-Echtler; K. Berge 2014	Levothyroxine or minimally invasive therapies for benign thyroid nodules	Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Beggs; Z. H. Wong; S. Kaul 2014	High-flow nasal cannula therapy for infants with bronchiolitis	Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
R. Beltran Valls; I. Dimaur 2014	· ·				No	-	_	-	-	-	_	-
F. Bergeron 2014	Explosive type of moderate-resistance training induces functional, cardiovascular, and molecular	Age (Dordr)	Exclude	-								
F. Bergeron 2014	Explosive type of moderate-resistance training induces functional, cardiovascular, and molecular Hydration and thermal strain during tennis in the heat	Age (Dordr) Br J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Best; M. Thompson; C. Cai 2014	Hydration and thermal strain during tennis in the heat		Exclude	-		-	-	-	-	-	-	-

											re temp, and thermal comfort during exercis	or lactate threshold.
			Decision	Reason(s) for	inclusion/exclus	ion:			Physiology during ex	ercise - RPE, neart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
uthor	Year	Title Journal	Include or exclude?	Irrelevant / of topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
P. Born; M. W. Hoppe; N		[Adaptive mechanisms and behavioural recommendations: playing football in heat, cold and high Sportverletz Sportschaden		-	-	No	-	-	-	-	-	-
Bottoms; M. Price	2014		Exclude	-	No	-	-	-	-	-	-	-
Brearley; I. Norton; D. K	in 2014	Responses of elite road motorcyclists to racing in tropical conditions: a case study Int J Sports Physiol Perfor	Exclude	-	No	-	-	-	-	-	-	-
Brinkmeier; K. Ohlendie			Exclude	Yes	-	-	-	-	-	-	-	-
E. A. Burns; F. Lellouche	; 12014	Automated weaning and spontaneous breathing trial systems versus non-automated weaning strat Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
E. A. Burns; F. Lellouche		Automated weaning and SBT systems versus non-automated weaning strategies for weaning time Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
A. Carlson; D. P. Ferguso			Exclude	-	No	-	-	-	-	-	-	-
Chalmers; A. Esterman; R			Exclude	-	No	-	-	-	-	-	-	-
J. Chen; T. H. Chen; Y. M			Exclude	-	No	-	-	-	-	-	-	-
A. Cleary; M. G. Toy; R.			Exclude	-	-	-	-	-	-	No	-	-
N. Cobley; G. K. Sakellar			Exclude	Yes	-	-	-	-	-	-	-	-
Corbett; R. A. Neal; H. C.			Exclude	-	No	-	-	-	-	-	-	-
J. Costa; M. J. Crockford	,		Exclude	-	No	-	-	-	-	-	-	-
N. Cramer; O. Jay	2014		Exclude	-	-	-	-	-	-	No	-	-
S. Cuddy; W. S. Hailes; B			Exclude	-	-	-	-	-	-	No	-	-
T. Cumming; T. Raastad;	G 2014	Effects of vitamin C and E supplementation on endogenous antioxidant systems and heat shock pt Physiol Rep	Exclude	-	-	-	-	-	-	No	-	-
G. Dean; A. Breslin; E. Z	. F 2014	Is it hot in here? Thermoregulation and homeostasis through an exercise activity Adv Physiol Educ	Exclude	-	No	-	-	-	-	-	-	-
Derry; P. R. L. Matthews;	P 2014	Salicylate-containing rubefacients for acute and chronic musculoskeletal pain in adults Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
. Dumville; C. Munson;	J. 2014	Negative pressure wound therapy for partial-thickness burns Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
R. Ely; A. T. Lovering; M	1. 2014	Heat acclimation and cross tolerance to hypoxia: Bridging the gap between cellular and systemic Temperature (Austin)	Exclude	-	No	-	-	-	-	-	-	-
E. Fernández-Elías; A. M	ar 2014	Validity of hydration non-invasive indices during the weightcutting and official weigh-in for Olyn PLoS One	Exclude	Yes	-	-	-	-	-	-	-	-
T. Frankenberg; G. D. La	m 2014	Small heat shock proteins translocate to the cytoskeleton in human skeletal muscle following ecce J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
Fu; W. G. Weng; H. Y. Ye	ua 2014	Quantitative assessment of the relationship between radiant heat exposure and protective perform; J Hazard Mater	Exclude	Yes	-	-	-	-	-	-	-	-
T. Garrett; N. G. Goosens	s; 2014	Short-term heat acclimation is effective and may be enhanced rather than impaired by dehydration Am J Hum Biol	Exclude	-	-	-	-	-	-	No	-	-
Gatterer; K. Schenk; L. L.	ar 2014	Bioimpedance identifies body fluid loss after exercise in the heat: a pilot study with body cooling PLoS One	Exclude	Yes	-	-	-	-	-	-	-	-
R. Gibson; A. Dennis; T.	Pt 2014	Extracellular Hsp72 concentration relates to a minimum endogenous criteria during acute exercise Cell Stress Chaperones	Exclude	-	-	-	-	-	-	No	-	-
Girard; R. J. Christian; S.	R 2014	Heat stress does not exacerbate tennis-induced alterations in physical performance Br J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Girard; S. Racinais; J. D.	P 2014	Tennis in hot and cool conditions decreases the rapid muscle torque production capacity of the kn Br J Sports Med	Exclude	-	-	-	-	-	-	No	-	-
D. Glasgow; R. Ferris; C.	M 2014	Cold water immersion in the management of delayed-onset muscle soreness: is dose important? A Phys Ther Sport	Exclude	Yes	-	-	-	-	-	-	-	-
Y. Goharrizi; R. Kwong;	R. 2014	Development of robust/predictive control strategies for image-guided ablative treatments using a Int J Hyperthermia	Exclude	Yes	-	-	-	-	-	-	-	-
Grazioli; I. Dimauro; N. M	Me 2014	SFRR-E Young Investigator AwardeeαB-crystallin modulation after acute exercise in skeletal mus Free Radic Biol Med	Exclude	Yes	-	-	-	-	-	-	-	-
Gryka; W. Pilch; M. Szar	ek 2014	The effect of sauna bathing on lipid profile in young, physically active, male subjects Int J Occup Med Environ I	Exclude	-	-	-	-	-	-	No	-	-
A. Hashmi; J. Kong; R. Sp	oa 2014	Functional network architecture predicts psychologically mediated analgesia related to treatment i J Neurosci	Exclude	Yes	-	-	-	-	-	-	-	-
A. Holliss; R. J. Burden;	A. 2014	Eight weeks of intermittent hypoxic training improves submaximal physiological variables in high J Strength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
Hue; S. Henri; M. Baillot	; : 2014	Thermoregulation, hydration and performance over 6 days of trail running in the tropics Int J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Ihsan; G. Watson; H. C.	Cł 2014	Postexercise muscle cooling enhances gene expression of PGC-1α Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
wase; Y. Kawahara; N. N	lis 2014	Effects of isotonic and isometric exercises with mist sauna bathing on cardiovascular, thermoregu Int J Biometeorol	Exclude	-	-	-	-	-	-	No	-	-
. James; L. Mattin; P. Ale	dis 2014	Effect of whey protein isolate on rehydration after exercise Amino Acids	Exclude	Yes	-	-	-	-	-		-	-
Jovanović; R. Karkalić; S	3. 12014	Physiological tolerance to uncompensated heat stress in soldiers: effects of various types of body (Vojnosanit Pregl	Exclude	Yes	-	-	-	-	-	-	-	-
Kaldur; J. Kals; V. Ööpik;	N 2014	Effects of heat acclimation on changes in oxidative stress and inflammation caused by endurance Oxid Med Cell Longev	Exclude	-	-	-	-	-	-	No	-	-
Kendrick; A. Kumar; H.	Ca 2014	Exercise for reducing fear of falling in older people living in the community Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Kikuchi; N. Shiozawa; S.	T 2014	Effect of repeated Waon therapy on exercise tolerance and pulmonary function in patients with ch Int J Chron Obstruct Pulm	Exclude	-	-	-	-	-	No	-	-	-
S. Kovacs; L. B. Baker	2014	Recovery interventions and strategies for improved tennis performance Br J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Lunath; H. R. Grobe; G. I	Ru 2014	Non-steroidal antiandrogen monotherapy compared with luteinising hormone-releasing hormone Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
. Lee; E. L. Emery-Sincl	ai 2014	The impact of submaximal exercise during heat and/or hypoxia on the cardiovascular and monocy Extrem Physiol Med	Exclude	-	-	-	-	-	-	No	-	-
evels; J. de Koning; I. B	Brc 2014		Exclude	-	-	-	-	-	-	No	-	-
.iu; J. P. Liu; Y. Xia	2014	Chinese herbal medicines for treating osteoporosis Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Macartney; A. Heywood;	P 2014	Vaccines for post-exposure prophylaxis against varicella (chickenpox) in children and adults Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
W. McGarr; G. L. Hartley	y; 2014		Exclude	-	-	-	-	-	-	No	-	-
Ailes; N. Johnson	2014	Vaginal dilator therapy for women receiving pelvic radiotherapy Cochrane Database of Sys	Exclude	Yes	-		-	-	-	-	-	-
. Murton; R. Billeter; F.	B. 2014		Exclude	Yes	-	-	-	-	-	-	-	-
Musumeci; F. Maria Trov	at 2014	Effects of dietary extra-virgin olive oil on oxidative stress resulting from exhaustive exercise in ra Acta Histochem	Exclude	Yes	-	-	-	-	-	-	-	-
Oöpik; S. Timpmann; K.	Kı 2014		Exclude	-	-	-	-	-	-	No	-	-
J. Patterson; J. M. Stocks	; 12014		Exclude	-	-	-	-	-	-	No	-	-
			Exclude		No							

												re temp, and thermal comfort during exercis	or lactate threshold. se.
				Decision	Reason(s) for	inclusion/exclus	ion:			Thysiology during ex	iterse Real Inches inter, sweat face, con	c temp, and thermal control during exercis	
uthor	Year	Title Jou	rnal	Include or exclude?	Irrelevant / off topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
Pilch; Z. Szygula; A.		Disturbances in pro-oxidant-antioxidant balance after passive body overheating and after exercise PLot	S One	Exclude	-	-	-	-	-	-	No	-	-
B. Pyne; J. H. Guy; A	A. M. F2014	Managing heat and immune stress in athletes with evidence-based strategies Int J	Sports Physiol Perfor	Exclude	-	No	-	-	-	-	-	-	-
Racinais; M. Buchheit	it; J. B 2014	Physiological and performance responses to a training camp in the heat in professional Australian Int J	Sports Physiol Perfor	Exclude	-	-	-	-	-	-	No	-	-
W. Raymond; T. A. Ba		A thermal stress treadmill walk for clinic evaluation of candidates for hazardous materials (HazM Int J		Exclude	Yes	-	-	-	-	-	-	-	-
A. Shanely; D. C. Nie		Evaluation of Rhodiola rosea supplementation on skeletal muscle damage and inflammation in rul Brain		Exclude	Yes	-	-	-	-	-	-	-	-
Smoljanić; N. B. Morr		Running economy, not aerobic fitness, independently alters thermoregulatory responses during tre J Ap		Exclude	-	-	-	-	-	-	No	-	-
P. Soares; R. B. Andri			hrane Database of Sys		Yes	-	-	-	-	-	•	-	-
Stotz; K. Rapp; J. Oks		Effect of a brief heat exposure on blood pressure and physical performance of older women living Int J			-	-	-	-	-	-	No	-	-
Stuve; E. Marder; A. (7		Exclude	-	No	-	-	-	-	-	-	-
Sutkowy; A. Woźniak;		The effect of a single Finnish sauna bath after aerobic exercise on the oxidative status in healthy n Scan		Exclude	-	-	-	-	-	-	No	-	-
H. Sveaas; I. J. Berg;		Efficacy of high intensity exercise on disease activity and cardiovascular risk in active axial spon PLot		Exclude	- -	-	-	-	-	-	No	-	-
R. Thomson; H. Sadio E. Thornes; P. A. Fishe		Wound drainage following groin dissection for malignant disease in adults Cocl Ambulance call-outs and response times in Birmingham and the impact of extreme weather and cl Eme	hrane Database of Sys		Yes	-	-	-	-	-	•	-	-
Torrego; I. Solà; A. M			rg Med J hrane Database of Sys	Exclude	Yes Yes	-	-	-	-	-	•	-	-
A. Volterman; J. Obei			l Physiol Nutr Metab		1 08	-					- No		
Waldron	2014			Exclude	-	-	-	-	-	-	No	-	-
F. Wang; H. F. Que; Y.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	hrane Database of Sys		Yes	-		-	-	-	-	<u>-</u>	-
J. West; C. J. Cook; K		Profiling the time-course changes in neuromuscular function and muscle damage over two consec J Sci		Exclude	Yes							-	
C. White; R. M. Salga				Exclude	-	No						-	
Williams; S. J. Wicker		Preparation for and physiological responses to competing in the Marathon des Sables: a case repol J Spi				No			_	_		_	
Wilson; B. Drust; J. P.		Weight-making strategies in professional jockeys: implications for physical and mental health and Spor		Exclude	-	No	_	_	-	_	-	_	-
E. Wright; J. Larose;	T. M. 2014	Moderate-intensity intermittent work in the heat results in similar low-level dehydration in young J Oc		Exclude	-	-	-		-	-	No	-	
E. Wright-Beatty; T. N	M. Mc 2014	Inflammatory responses of older firefighters to intermittent exercise in the heat Eur .		Exclude	-	-	-	-	-	-	No	-	-
A. Young; S. Partingto				Exclude	Yes	-	-	-	-	-	-	-	-
Zeng; J. J. Li; D. Q. W	Wang; 2014	Effects of heat stress on antioxidant defense system, inflammatory injury, and heat shock proteins Cell		Exclude	Yes	-	-	-	-	-	-	-	-
Zhang; Y. C. Bao	2014	Effect of acclimation training on physiological changes in a randomized controlled trial in hot-hur Zhor	ngguo Ying Yong Sher	Exclude	-	-	-	-	-	-	No	-	-
Zuhl; S. Schneider; K	K. Lan 2014	Exercise regulation of intestinal tight junction proteins Br J	Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Amano; Y. Inoue; S. K	Koga; 2015	Influence of exercise training with thigh compression on heat-loss responses Scan	nd J Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
T. Amorim; I. T. Fonse	eca; C 2015	Insights into the role of heat shock protein 72 to whole-body heat acclimation in humans	perature (Austin)	Exclude	-	No	-	-	-	-	-	-	-
Atomi	2015	Gravitational Effects on Human Physiology Subo	cell Biochem	Exclude	Yes	-	-	-	-	-	-	-	-
Atwan; J. R. Ingram;	R. Ab 2015	Oral fumaric acid esters for psoriasis Cocl	hrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
D. Barberio; D. J. Elr				Exclude	-	-	-	-	-	-	No	-	-
J. Berg; K. Inaba; M.		The impact of heat stress on operative performance and cognitive function during simulated lapare Surg		Exclude	Yes	-	-	-	-	-	-	-	-
C. Bongers; D. H. Thi		Precooling and percooling (cooling during exercise) both improve performance in the heat: a meta Br J		Exclude	-	No	-	-	-	-	-	-	-
D. Bradford; S. J. Luc				Exclude	-	-	-	-	-	-	No	-	-
Brazaitis; N. Eimanta	,	Two strategies for the acute response to cold exposure but one strategy for the response to heat str Int J		Exclude	-	-	-	-	-	-	No	-	-
Bricker; N. Medley; J.			hrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Brocherie; O. Girard;				Exclude	Yes	-	-	-	-	-	-	-	-
Brocherie; G. P. Millet				Exclude	Yes	-	-	-	-	-	-	-	-
Campbell; P. Alderson		Warming of intravenous and irrigation fluids for preventing inadvertent perioperative hypothermic Cock			Yes	-	-	-	-	-	-	-	-
K. W. Chan; A. M. Gl Chauhan; A. Bali; N. S		Interventions for the treatment of oral and oropharyngeal cancers: targeted therapy and immunoth Cocl Cross stress adaptation: Phenomenon of interactions between homotypic and heterotypic stressors Life		Exclude	Yes	- No	-	-	-	-	•	-	-
Chiroma; S. Abdul-ka	-	Global Warming: Predicting OPEC Carbon Dioxide Emissions from Petroleum Consumption Usir PLot			Vac	No	-	-	-	-	-	-	-
I. Cobley; P. R. Moult		Exercise improves mitochondrial and redox-regulated stress responses in the elderly: better late th Biog		Exclude Exclude	Yes Yes	-	-	-	-	-	-	-	-
A. Corney; C. Sunder				Exclude	Yes	-	-	-	-	-	-	-	-
Couto; P. Santos; D. S		Exhaled breath temperature in elite swimmers: The effects of a training session in adolescents wit Pedi		Exclude	1 05	-L	Ť.	-		No	-	+	1
V. De Carvalho: M. T		The temperature of water ingested ad libitum does not influence performance during a 40-km self. J Sp.			-	-	-	-	-	-	No	_	-
Dolci; M. B. Fortes; F		Repeated muscle damage blunts the increase in heat strain during subsequent exercise heat stress Eur.		Exclude	-	-	-	_	-	_	No	_	_
G. Dulloo; Y. Schutz		Adaptive Thermogenesis in Resistance to Obesity Therapies: Issues in Quantifying Thrifty Energy Curr		Exclude	Yes	-	-	-	-	-	-	-	-
C. Dumville; E. McFar			hrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Eccleston; L. Hearn; A			hrane Database of Sys		Yes	-	-	-	-	-	-	-	-
G. Farmer	2015			Exclude	Yes	-	-	-	-	-	-	-	-
Filingeri; D. Fournet;	; S. Hc 2015	Mild evaporative cooling applied to the torso provides thermoregulatory benefits during running i Scan		Exclude	-	-	-	-	-	-	No	-	-
R. Fox; P. W. Ku; M.	Hillsc 2015	Objectively assessed physical activity and lower limb function and prospective associations with 1 Age		Exclude	Yes	-	-	-	-	-	-	-	-
Franke; G. Fryer; R. C		Muscle energy technique for non-specific low-back pain Cocl	hrane Database of Sys		Yes								

									**Physiology during ex	ercise = RPE, heart rate, sweat rate, or	ore temp, and thermal comfort during exercis	or lactate threshold. se.
			Decision	Reason(s) fo	or inclusion/exclus	sion:			Thysiology during ex	ercise – Kr E, neart rate, sweat rate, co	e temp, and thermal control during exercis	e.
uthor	Year	Title Journal	Include or exclude?		off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
R. Gibson; J. A. Me		Isothermic and fixed intensity heat acclimation methods induce similar heat adaptation following J Therm Biol	Exclude	-	No	-	-	-	-	-	-	-
R. Gibson; G. Turn	ner; J. A. 2015	Heat acclimation attenuates physiological strain and the HSP72, but not HSP90α, mRNA response J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
K. Gill; A. Teixeira		Circulatory endotoxin concentration and cytokine profile in response to exertional-heat stress duri Exerc Immunol Rev	Exclude	-	-	-	-	-	-	No	-	-
Girard; F. Brocheri			Exclude	-	No	-	-	-	-	-	-	-
Gnaiger; R. Boushe			Exclude	Yes	-	-	-	-	-	-	-	-
. C. Gomez-Cabrera		Redox modulation of mitochondriogenesis in exercise. Does antioxidant supplementation blunt the Free Radic Biol Med	Exclude	Yes	-	-	-	-	-	-	-	-
J. Gronlund; V. J. B		Vulnerability to extreme heat by socio-demographic characteristics and area green space among the Environ Res	Exclude	Yes	-	-	-	-	-	-	-	-
Gross; T. M. Kay;	-	Exercises for mechanical neck disorders Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Gross; P. Langevin		Manipulation and mobilisation for neck pain contrasted against an inactive control or another acti Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
T. Gruss; D. Schmit		The evolution of the human pelvis: changing adaptations to bipedalism, obstetrics and thermoregy Philos Trans R Soc Lond I		Yes	-	-	-	-	-	-	-	-
M. Gubernot; G. B			Exclude	Yes	-	-	-	-	-	-	-	-
H. Guy; G. B. Deak H. G. Handoll: J. E.		Adaptation to hot environmental conditions: an exploration of the performance basis, procedures (Sports Med Rehabilitation for distal radial fractures in adults Cochrane Database of Sys	Exclude	- V	No	-	-	-	-	-	-	-
Hooper; A. Abdelha		Rehabilitation for distal radial fractures in adults Clinical symptoms, signs and tests for identification of impending and current water-loss dehydra Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Horne; N. Thomas		Patient-directed therapy during in-patient stroke rehabilitation: stroke survivors' views of feasibili Disabil Rehabil			-	-	-	-	-	-	-	-
Jastrzębski; M. Życ			Exclude Exclude	Yes	-	-	-	-	-	-	-	-
Jin; P. K. Park; K. A		Effect of aluminized fabrics on radiant protective performance of fire proximity suit materials Ann Occup Hyg	Exclude	Yes			-		-	-		-
Karlsen; L. Nybo;	-		Exclude	-	No							
Karlsen; S. Racinai			Exclude		-					No	-	-
Ke; G. Yan; Z. Wan		Design and assessment of novel artificial anal sphincter with adaptive transcutaneous energy trans J Med Eng Technol	Exclude	Yes						-	-	
Leene; M. Brearley	0.	Accuracy of Tympanic Temperature Measurement in Firefighters Completing a Simulated Structu Prehosp Disaster Med	Exclude	Yes								
Keiser; D. Flück; F.		Heat training increases exercise capacity in hot but not in temperate conditions: a mechanistic cou Am J Physiol Heart Circ P		-			-	-	_	No	-	
Kumar Singh; P. V		Molecular characterization and expression analysis of hsp60 gene homologue of sheep blowfly, L J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
R. Kuras; D. M. Ho			Exclude	Yes	-	-	-	-	_	-	-	-
Larsen; R. Snow; C		Multiple Days of Heat Exposure on Firefighters' Work Performance and Physiology PLoS One	Exclude	-	-	-	-	-	-	No		-
Laxminarayan; M	J. Buller 2015	Human Core Temperature Prediction for Heat-Injury Prevention IEEE J Biomed Health Inf		-	No	-	-	-	-	-	-	-
J. Lee; R. W. Mack	cenzie; V 2015	Human monocyte heat shock protein 72 responses to acute hypoxic exercise after 3 days of exerci Biomed Res Int	Exclude	-	-	-	-	-	-	No	-	-
K. Lee; R. W. Kene	efick; S. 12015	Novel Cooling Strategies for Military Training and Operations J Strength Cond Res	Exclude	-	No	-	-	-	-	-	-	-
Lee; H. Fujimura; Y	Y. Shimo 2015	Verification of impact of morning showering and mist sauna bathing on human physiological func Int J Biometeorol	Exclude	-	-	-	-	-	-	No		-
A. Leicht; K. Koud	ia; Y. Un 2015	Hot water immersion induces an acute cytokine response in cervical spinal cord injury Eur J Appl Physiol	Exclude	-	-	-	-	-	No	-	-	-
A. Lewis; G. Howa	atson; K. 2015	Alterations in redox homeostasis in the elite endurance athlete Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
D. Liddle; V. Penni	ick 2015	Interventions for preventing and treating low-back and pelvic pain during pregnancy Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
A. Loeppky	2015	Plasma volume after heat acclimation: Variations due to season, fitness and methods of measurem Acta Physiol Hung	Exclude	-	No	-	-	-	-	-	-	-
Madrigano; K. Ito; S			Exclude	Yes	-	-	-	-	-	-	-	-
E. Marino	2015		Exclude	-	No	-	-	-	-	-	-	-
J. Martí-Carvajal;			Exclude	Yes	-	-	-	-	-	-	-	-
Matsuura; T. Arimi	,		Exclude	-	-	-	-	-	-	No	-	-
Matzarakis; D. Frö		Sport events and climate for visitors—the case of FIFA World Cup in Qatar 2022 Int J Biometeorol	Exclude	-	No	-	-	-	-	-	-	-
J. Maxwell; J. Zoch		TNF-alpha inhibitors for ankylosing spondylitis Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
McInnes; A. Jamma		Support surfaces for pressure ulcer prevention Cochrane Database of Sys		Yes	-	-	-	-	-	-	•	-
S. Metcalfe; F. Kou			Exclude	-	-	-	-	-	-	No	-	-
Mori; S. Hanida; K.		Minor contributions of the maxillary sinus to the air-conditioning performance in macaque monke J Exp Biol	Exclude	Yes	-	-	-	-	-	-	-	-
I. Nilsson; L. G. M			Exclude	Yes	-	-	-	-	-	-	-	-
W. Nolte; T. Hew-F		Exercise-associated hyponatremic encephalopathy and exertional heatstroke in a soldier: High rate Phys Sportsmed	Exclude		No	-	-	-	-	-	-	-
. Oliver; A. D. Har . Pearson; S. R. Hu	-	Two nights of sleep deprivation with or without energy restriction does not impair the thermal rest Eur J Appl Physiol A review on the mechanisms of blood-flow restriction resistance training-induced muscle hypertra Sports Med	Exclude Exclude	Yes	- No	-	-	-	-	-	-	-
. Pearson; S. R. Hu J. Périard: O. Jav: J				-		-	-	-	-	-	-	-
 Periard; O. Jay; J Périard; S. Racin 		Author's Reply to Brocherie and Millet: 'Is the Wet-Bulb Globe Temperature (WGBT) Index Rele Sports Med Training and competing in the heat Scand J Med Sci Sports	Exclude Exclude	-	No No	-	-	-	-	-	-	-
 Périard; S. Racin Périard; S. Racin 		Response Med Sci Sports Exerc	Exclude	-	No	-	-	-	-	-	-	-
 Périard; S. Racin Périard; S. Racin 			Exclude	1	No No	1	1.		T.	-		1
P. Poirier; D. Gagn			Exclude	-	-	-			-	No		-
P. Politer, D. Gagi Qian; M. Li; G. Li;		Environmental heat stress enhances mental fatigue during sustained attention task performing; evi Behav Brain Res	Exclude	1.		1	i i		T.	No	-	-
Racinais; J. M. Aloi		Consensus recommendations on training and competing in the heat Br J Sports Med	Exclude	-	No	-	-	-	_	-		_
Racinais: J. M. Aloi			Exclude	1.	No	-	_	-	_			-
Racinais; J. D. Péria	,	Effect of heat and heat acclimatization on cycling time trial performance and pacing Med Sci Sports Exerc	Exclude	1.	-	1.	-	-	_	No		-
Rodriguez-Miguele:		Whole-body vibration improves the anti-inflammatory status in elderly subjects through toll-like t Mech Ageing Dev	Exclude	Yes								

Author	Year									,		re temp, and thermal comfort during exercis	
Author	Veer			Decision	Reason(s) for	inclusion/exclus	ion.						
	Icai	Title	Journal	Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
. Salehi; A. S. Wenick; H.		Interventions for central serous chorioretinopathy: a network meta-analysis	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Schantz	2015	Along paths converging to Bengt Saltin's early contributions in exercise physiology	Scand J Med Sci Sports	Exclude	Yes	-	-	-	-	-	-	-	-
Schild; A. Ruhs; T. Beite		Basal and exercise induced label-free quantitative protein profiling of m. vastus lateralis in trained	J Proteomics	Exclude	Yes	-	-	-	-	-	-	-	-
J. Schlader; M. S. Ganio;		Heat acclimation improves heat exercise tolerance and heat dissipation in individuals with extensi		Exclude	-	-	-	-	-	No	-	-	-
. Sobajima; T. Nozawa; Y.		Waon therapy improves quality of life as well as cardiac function and exercise capacity in patients		Exclude	Yes	-	-	-	-	-	-	-	-
Soejima; T. Munemoto; A		1)	Intern Med	Exclude	Yes	-	-	-	-	-	-	-	-
Stanley; A. Halliday; S. D			Eur J Appl Physiol	Exclude	-	No	-	-	-	-	-	-	-
A. Sturgeon; M. M. Tieu;		Nonlinear Effects of Noxious Thermal Stimulation and Working Memory Demands on Subjective		Exclude	Yes	-	-	-	-	-	-	-	-
. Tamm; A. Jakobson; M. l			Int J Psychophysiol	Exclude	-	-	-	-	-	-	No	-	-
A. Taylor	2015		J Strength Cond Res	Exclude	-	No	-	-	-	-	-	-	-
T. Thomas			Proc Nutr Soc	Exclude	Yes	-	-	-	-	-	-	-	-
M. Trezza; D. Apolinario; Tsuii: Y. Honda: Y. Ikebe:		Environmental heat exposure and cognitive performance in older adults: a controlled trial Voluntary suppression of hyperthermia-induced hyperventilation mitigates the reduction in cerebr.	Age (Dordr)	Exclude	-	-	-	-	-	-	No No		-
Turner-Stokes; A. Pick; A	.,		Am J Physioi Regul Integ Cochrane Database of Sys		Yes	-	-	-	-	-	No	-	-
A. Tuttle; P. C. Castle; A. J		Downhill running and exercise in hot environments increase leukocyte Hsp72 (HSPA1A) and Hsr.		Exclude	res	-	-	-	-	-	- No	-	-
Vaher; S. Timpmann; M. A		Impact of acute sodium citrate ingestion on endurance running performance in a warm environme		Exclude	-	-	-	-	-	-	No	-	-
E. Veneroso; G. P. Ramos		Physical performance and environmental conditions: 2014 World Soccer Cup and 2016 Summer (Exclude	-	No		-		-	-		
P. Verhagen; S. M. A. Bie			Cochrane Database of Sys		Yes	-							-
Vrignaud; T. Briot; A. Lau		11.1	Int J Pharm	Exclude	Yes							-	£
Walker; C. Argus; M. Dri			Int J Occup Environ Heal		-	No						-	1
G. Willmott; M. Hayes; J.		The reliability of a heat acclimation state test prescribed from metabolic heat production intensitie		Exclude		-					No		
Winter	2015	Effectiveness of targeted home-based hip exercises in individuals with non-specific chronic or rec			Yes	-	-	_	-	_	-	-	
Wrzosek; J. Woron; J. Do			Cochrane Database of Sys		Yes	-	-	_	-	_	-		_
Wu; G. Norman; J. C. Du			Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Zhang; Z. Sun; J. Yue	2015		Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Zurth; B. Schuett; M. Cas	asje 2015	Pharmacokinetics and adhesion of a transdermal patch containing ethinyl estradiol and gestodene	Clin Pharmacol Drug Dev	-	-	-	-	-	-	-	-	-	-
M. Adams; Y. Hosokawa	a; I 2016	An Exertional Heat Stroke Survivor's Return to Running: An Integrated Approach on the Treatme	J Sport Rehabil	Exclude	-	No	-	-	-	-	-	-	-
F. Aguiar; S. M. Magalhãe	ães; 2016	Post-exercise cold water immersion does not alter high intensity interval training-induced exercise	Cell Stress Chaperones	Exclude	Yes	-	-	-	-	-	-	-	-
P. Akerman; M. Tipton; C	C. 2016	Heat stress and dehydration in adapting for performance: Good, bad, both, or neither?	Temperature (Austin)	Exclude	-	No	-	-	-	-	-	-	-
Amano; N. Gerrett; Y. Ino	ιουε 2016	Determination of the maximum rate of eccrine sweat glands' ion reabsorption using the galvanic s	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
M. Andrews; C. Deehl; R	R. 12016	Core Temperature in Service Members With and Without Traumatic Amputations During a Prolon	Mil Med	Exclude	Yes	-	-	-	-	-	-	-	-
N. Araujo; C. T. D. Ribeii	eiro 2016	Physical exercise for the treatment of non-ulcerated chronic venous insufficiency	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
G. Bailey; N. T. Cable; G.		Repeated Warm Water Immersion Induces Similar Cerebrovascular Adaptations to 8 Weeks of Mo		Exclude	-	-	-	-	-	-	No	-	-
N. Balmain; O. Jay; S. Sa			Physiol Rep	Exclude	-	-	-	-	-	No	-	-	-
Basu; V. Sarovar; B. J. M.			Am J Epidemiol	Exclude	Yes	-	-	-	-	-	-	-	-
M. Bateman; M. D. Sharp			Crit Care	Exclude	-	No	-	-	-	-	-	-	-
E. Becker; H. A. Smith; F			Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
C. Blakeman; D. Rodrique			Mil Med	Exclude	-	No	-	-	-	-	-	-	-
B. Brearley	2016			Exclude	-	No	-	-	-	-	-	-	-
E. Brunt; M. J. Howard; M		Passive heat therapy improves endothelial function, arterial stiffness and blood pressure in sedents		Exclude	-	-	-	-	-	-	No	-	-
Buchheit; Y. Cholley; P. I V. Castellani; A. J. Young		Psychometric and Physiological Responses to a Preseason Competitive Camp in the Heat With a (Human physiological responses to cold exposure: Acute responses and acclimatization to prolong.		Exclude	Yes	-	-	-	-	-	No	-	-
-	-					-	-	-	-	-	- No	-	-
V. Castellani; E. J. Zambr Chalmers; A. Esterman; R			Physiol Rep Int J Sports Physiol Perfor	Exclude	-	-	-	-	-	-	No No	-	-
N. Cramer; O. Jay	2016		Auton Neurosci	Exclude		- No	-				-		1
A. Cuttell; V. Kiri; C. Tyle			J Athl Train	Exclude	Yes	-	1.	1		T.	-	+	-
Derry; C. Stannard; P. Col			Cochrane Database of Sys		Yes	-E	1	1		T.	_	-	-
D. Dileo; J. B. Powell; H.		Effect of short-term heat acclimation training on kinetics of lactate removal following maximal ex-			-	-	-	-	-	_	Yes	No	-
imauro; N. Mercatelli; D			Free Radic Biol Med	Exclude	-	No	-	-	-	-	-	-	-
Epstein; R. Yanovich; Y. I			Med Sci Sports Exerc	Exclude	Yes	-	-	-	-	-	-	-	-
aure; K. Charlot; S. Hen		Impaired glucose tolerance after brief heat exposure: a randomized crossover study in healthy you		Exclude	-	-	-	-	-	-	No	-	-
aure; K. Charlot; S. Hen		Effect of heat exposure and exercise on food intake regulation: A randomized crossover study in y		Exclude	-	-	-	-	-	-	No	-	-
R. Gibson; J. A. Tuttle; P.		Hsp72 and Hsp90α mRNA transcription is characterised by large, sustained changes in core temporal transcription is characterised by large, sustained changes in core temporal transcription in the sustained changes in the sus		Exclude	-	-	-	-	-	-	No	-	-
Granata; R. S. Oliveira; J.		Mitochondrial adaptations to high-volume exercise training are rapidly reversed after a reduction		Exclude	Yes	-	-	-	-	-	-	-	-
K. Harrison; T. E. Kim; A	A. 12016	Feasibility of eye-tracking technology to quantify expertise in ultrasound-guided regional anesthe		Exclude	Yes	-	-	-	-	-	-	-	-

										**Physiology during as	ereise = RPE heart rate sweet mto an	re temp, and thermal comfort during exercis	or lactate threshold.
				Decision	Reason(s) for	r inclusion/exclus	ion:			**Physiology during ex	ercise = KPt., neart rate, sweat rate, co	e temp, and thermal comfort during exercis	e.
uthor	Year	Title	Journal	Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
. Hatvani-Kovacs; M.			Sci Total Environ	Exclude	Yes	-	-	-	-	-	-	-	-
F. Heal; J. L. Banks;		Topical antibiotics for preventing surgical site infection in wounds healing by primary intention	Cochrane Database of Sy	Exclude	Yes	-	-	-	-	-	-	-	-
. W. Heesch; R. J. Shu	ute; J. 12016	Transcriptional control, but not subcellular location, of PGC-1 α is altered following exercise in a l	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
Hegedűs; J. Varga; A.	A. Somf 2016	[Interdisciplinary rehabilitation in patients with ankylosing spondylitis]	Orv Hetil	Exclude	-	-	No	-	-	-	-	-	-
. C. Henstridge; M. A.	. Febbr 2016	Heat shock proteins and exercise adaptations. Our knowledge thus far and the road still ahead	J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
. J. Hofmeyr; J. A. K. l	Kiiza 2016	Amnioinfusion for chorioamnionitis	Cochrane Database of Sy	Exclude	Yes	-	-	-	-	-	-	-	-
I. Houssein; P. Lopes; l	B. Fag 2016	Hydration: The New FIFA World Cup's Challenge for Referee Decision Making?	J Athl Train	Exclude	Yes	-	-	-	-	-	-	-	-
A. James; A. G. Willr	lmott; A 2016	Ischaemic preconditioning does not alter the determinants of endurance running performance in the	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Jongstra; J. K. Harriso	son; T. 2016	Antihypertensive withdrawal for the prevention of cognitive decline	Cochrane Database of Sy	Exclude	Yes	-	-	-	-	-	-	-	-
Joslin; J. Mularella; A	A. Bail; 2016	Mandatory Rest Stops Improve Athlete Safety during Event Medical Coverage for Ultramarathon	Prehosp Disaster Med	Exclude	-	No	-	-	-	-	-	-	-
Kataoka; Y. I. Kamijo	o; Y. O 2016	Effects of hypervolemia by protein and glucose supplementation during aerobic training on therm	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
Kavanagh; A. T. Dav	vis; K. 2016	Effects of heated hydrotherapy on muscle HSP70 and glucose metabolism in old and young verve	Cell Stress Chaperones	Exclude	-	-	-	-	-	-	No	-	-
P. Kenny; H. Groeller	er; R. N 2016	Age, human performance, and physical employment standards	Appl Physiol Nutr Metab	Exclude	-	No	-	-	-	-	-	-	-
Khadir; S. Kavalakat	itt; J. Al 2016	Physical exercise alleviates ER stress in obese humans through reduction in the expression and re-	Metabolism	Exclude	-	-	-	-	-	-	No	-	-
. A. King; T. L. Clanto	ton; O. 2016	Hyperthermia, dehydration, and osmotic stress: unconventional sources of exercise-induced reacti	Am J Physiol Regul Integ	Exclude	-	No	-	-	-	-	-	-	-
Kjellstrom; D. Briggs	s; C. Fi 2016	Heat, Human Performance, and Occupational Health: A Key Issue for the Assessment of Global C	Annu Rev Public Health	Exclude	-	No	-	-	-	-	-	-	-
M. Lawler; D. A. Rod	driguez 2016	Mitochondria in the middle: exercise preconditioning protection of striated muscle	J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
J. Lee; A. Miller; R. S	S. Jam 2016	Cross Acclimation between Heat and Hypoxia: Heat Acclimation Improves Cellular Tolerance and	Front Physiol	Exclude	-	-	-	-	-	-	No	-	-
B. Lee; J. H. Kim; H.	. Murot 2016	Perspiration Functions in Different Ethnic, Age, and Sex Populations: Modification of Sudomotor	Curr Probl Dermatol	Exclude	Yes	-	-	-	-	-	-	-	-
R. Leon	2016	Common mechanisms for the adaptive responses to exercise and heat stress	J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
Lindson-Hawley; J. l	Hartm 2016		Cochrane Database of Sy		Yes	-	-	-	-	-		-	-
Ma; J. Xie; H. Wang;	; J. Li; 2016		Cochrane Database of Sy		Yes	-	-	-	-	-			
G. Madeira; R. L. Pas	assos: J 2016	Autonomic thermoregulatory dysfunction in neurofibromatosis type 1	Arq Neuropsiquiatr	Exclude	Yes	-	-	_	-	-		_	-
Madrid; G. Urrútia; N		Active body surface warming systems for preventing complications caused by inadvertent periops			Yes	-	-	_	-	_	-		-
M. Matthews; R. Fu;			Cochrane Database of Sy		Yes		-	_					
L. Maynard; R. Kao;		1 1 1	J R Army Med Corps	Exclude	Yes		-	_	-		_		_
K. McFarlin; A. L. H		A shirt containing multistage phase change material and active cooling components was associated		Exclude	Yes	-	-	_	-	-	-		_
P. Meaney; D. C. Nie	- 1	Measuring Granulocyte and Monocyte Phagocytosis and Oxidative Burst Activity in Human Bloo		Exclude	Yes		-	_					_
A. Mee; O. R. Gibson		Leukocyte Hsp72 mRNA transcription does not differ between males and females during heat acc	•	Exclude	-						No		
T. Minson; J. D. Cotte			J Physiol	Exclude		No					-		
C. Moore; M. J. Stace			J R Army Med Corps	Exclude	-	No					_	-	
R. Moore; N. Bergma	-	-	Cochrane Database of Sy		Yes	140	-		-		-	+	-
Nakagawa; T. Matsui			J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
Nakata; M. Oshiro; N		Effects of aerobic exercise under different thermal conditions on human somatosensory processing			105	-	-	-		-	No	-	-
A. Neal; J. Corbett; H		Effect of short-term heat acclimation with permissive dehydration on thermoregulation and tempe		Exclude	-	-	-	-	-	-	No	-	-
Nybo: C. Lundby	2016	CrossTalk opposing view: Heat acclimatization does not improve exercise performance in a cool c		Exclude		No	-	-	-	-	INO	-	-
O'Hearn; H. C. Tinge		Heat exposure increases circulating fatty acids but not lipid oxidation at rest and during exercise		Exclude		NO	-	-	-	-	- No	-	-
Osailan; G. S. Metsic					-	No	-	-	-	-	INO	<u>-</u>	-
J. Page: S. Green: B.		Factors associated with parasympathetic activation following exercise in patients with rheumatoid		Exclude	- -	No	-	-	-	-	-	-	-
 Page, S. Green, B. Pallarés; A. Martín 			Cochrane Database of Sy		Yes	-	-	-	-	-	•	<u>-</u>	-
		Muscle contraction velocity, strength and power output changes following different degrees of hy	Auton Neurosci	Exclude	Yes	- N.	-	-	-	-	-	•	-
D. Périard; G. J. S. Tr				Exclude	-	No	-	-	-	-	-	<u>-</u>	-
J. Perkin; R. L. Trave		Exercise strategies to protect against the impact of short-term reduced physical activity on muscle		Exclude	- -	No	-	-	-	-	-	-	-
Peters; M. J. Page; M			Cochrane Database of Sy Br J Dermatol		Yes	-	-	-	-	-	-	-	-
Pezzolo; A. Peroni; P.				Exclude	Yes	-	-	-	-	-	a la	-	-
P. Poirier; D. Gagnor		Local versus whole-body sweating adaptations following 14 days of traditional heat acclimation			- -	-	-	-	-	-	No	-	-
Psikuta; K. Kuklane;		Opportunities and constraints of presently used thermal manikins for thermo-physiological simula		Exclude	Yes	- No.	-	-	-	-	-	-	-
O. Roberts; J. C. Doi			Med Sci Sports Exerc	Exclude	- V	No	-	-	-	-	-	-	-
C. Rout; R. Kaushik;		Differential expression pattern of heat shock protein 70 gene in tissues and heat stress phenotypes		Exclude	Yes	-	-	-	-	-	-	-	-
D. Ruddock; S. W. Ti		Combined active and passive heat exposure induced heat acclimation in a soccer referee before 20		Exclude	-	No	-	-	-	-	-	-	-
T. Saragiotto; G. C. N			Cochrane Database of Sy		Yes	-	-	-	-	-	-	-	-
T. Saragiotto; C. G. N			Cochrane Database of Sy		Yes	-	-	-	-	-	-	-	-
Schmit; R. Duffield;			Int J Sports Physiol Perfo		-	-	-	-	-	-	No	-	-
Shen; S. Tang; T. Ma		Condomless Vaginal Intercourse and Its Associates among Men Who Have Sex with Men in Chin		Exclude	Yes	-	-	-	-	-	-	-	-
Siemens; C. Xander;			Cochrane Database of Sy		Yes	-	-	-	-	-	-	-	-
	ind; N. 2016	Physiotherapy for pain and disability in adults with complex regional pain syndrome (CRPS) type	Cochrane Database of Sy	Exclude	Yes	-	-	-	-	-	-	-	-

											re temp, and thermal comfort during exercis	or lactate threshold.
			Decision	Reason(s) fo	or inclusion/exclus	sion:			Physiology during ex	ercise – RPE, neart rate, sweat rate, co	e temp, and thermal comfort during exercis	e.
uthor	Year	Title Journal	Include or exclude?		off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
Suyama; S. J. McEntii	ire; J. C 2016	Pilot Study Examining the Effects of Atropine on Performance during Uncompensable Heat Stress Prehosp Emerg Care	Exclude	-	No	-	-	-	-	-	-	-
D. Sylvester; D. R. Li	ubans; 2016	Effects of Variety Support on Exercise-Related Well-Being Appl Psychol Health V	Vell Exclude	Yes	-	-	-	-	-	-	-	-
Taylor; B. J. Lee; O. I	R. Gib 2016	Effective microorganism - X attenuates circulating superoxide dismutase following an acute bout Res Sports Med	Exclude	-	-	-	-	-	-	No	-	-
. B. Trbovich; J. B. Ki		The effects of a heat acclimation protocol in persons with spinal cord injury J Therm Biol	Exclude	-	-	-	-	-	No	-	-	-
J. Tyler; T. R. Coffey;		Acute L-arginine supplementation has no effect on cardiovascular or thermoregulatory responses Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
J. Tyler; T. Reeve; G.		The Effects of Heat Adaptation on Physiology, Perception and Exercise Performance in the Heat: Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Tzortziou Brown; M.		Professional interventions for general practitioners on the management of musculoskeletal conditi Cochrane Database of		Yes	-	-	-	-	-	-	•	-
C. Voermans; M. Sno		RYR1-related rhabdomyolysis: A common but probably underdiagnosed manifestation of skeletal Rev Neurol (Paris)	Exclude	Yes	-	-	-	-	-	-	-	-
J. Wadley; J. E. Turne		Factors influencing post-exercise plasma protein carbonyl concentration Free Radic Res	Exclude	-	No	-	-	-	-	-	-	-
P. Walsh; S. J. Oliver		Exercise, immune function and respiratory infection: An update on the influence of training and el Immunol Cell Biol Intravenous nutrients for preventing inadvertent perioperative hypothermia in adults Cochrane Database of	Exclude	- V	No	-	-	-	-	-	-	-
Warttig; P. Alderson; S. C. White; R. M. Salgi		Intravenous nutrients for preventing inadvertent perioperative hypothermia in adults Cochrane Database of The effect of 10 days of heat acclimation on exercise performance in acute hypobaric hypoxia (43 Temperature (Austin)	Sys Exclude Exclude	Yes	-	-	-	-	-	- No	-	-
G. Willmott; O. R. Gi		The effects of single versus twice daily short term heat acclimation on heat strain and 3000m runn J Therm Biol	Exclude				-		-	No		-
L. Wingfield; R. Gale		The effect of high versus low intensity heat acclimation on performance and neuromuscular respo J Therm Biol	Exclude				1		T.	No	-[£
Xiong; H. Chen; R. L.		Hyperbaric oxygen therapy for people with autism spectrum disorder (ASD) Cochrane Database of		Yes	-i	1	T.		T.	-	-	-
Y. Yakoob; R. A. Sala		Vitamin D supplementation for preventing infections in children under five years of age Cochrane Database of		Yes							-	
Zaina; C. Tomkins-La		Surgical versus non-surgical treatment for lumbar spinal stenosis Cochrane Database of		Yes	-	-	-	-	-	-	-	-
Zhi; G. Banting; Q. L.		Evidence of Naturalized Stress-Tolerant Strains of Escherichia coli in Municipal Wastewater Trea Appl Environ Microbi		Yes	-	-	-	-	-	-	-	-
Zhu; Y. Liew; Z. L. L		Chinese herbal medicine for menopausal symptoms Cochrane Database of		Yes	-	-	-	-	-	-	-	-
J. Zurawlew; N. P. W		Post-exercise hot water immersion induces heat acclimation and improves endurance exercise per Scand J Med Sci Sport	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
L. Adams; L. W. Vano	dermai 2017	Effects of heat acclimation on hand cooling efficacy following exercise in the heat J Sports Sci	Exclude	-	-	-	-	-	-	No	-	-
Amano; N. Fujii; G. P	P. Keni 2017	Do nitric oxide synthase and cyclooxygenase contribute to sweating response during passive heati Physiol Rep	Exclude	-	-	-	-	-	-	No	-	-
B. Baker	2017	Sweating Rate and Sweat Sodium Concentration in Athletes: A Review of Methodology and Intra Sports Med	Exclude	-	No	-	-	-	-	-	-	-
N. Balmain; S. Sabap	pathy; 2017	Heart Failure and Thermoregulatory Control: Can Patients With Heart Failure Handle the Heat? J Card Fail	Exclude	-	-	-	-	-	No	-	-	-
N. Bardis; S. A. Kavo	ouras; 2017	Prescribed Drinking Leads to Better Cycling Performance than Ad Libitum Drinking Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
Bhattacharyya; M. Pa	al; T. C 2017	Effect of load carriage and natural terrain conditions on cognitive performance in desert environm Physiol Behav	Exclude	-	-	-	-	-	-	No	-	-
Bidonde; A. J. Busch;		Whole body vibration exercise training for fibromyalgia Cochrane Database of	Sys Exclude	Yes	-	-	-	-	-	-	-	-
H. Bishop; D. J. Szyn		The Effect of Intermittent Vest Cooling on Thermoregulation and Cardiovascular Strain in Baseba J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-
J. Brown; D. Fletcher		Effects of Psychological and Psychosocial Interventions on Sport Performance: A Meta-Analysis Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Bruchim; M. Horowit	. ,	Pathophysiology of heatstroke in dogs - revisited Temperature (Austin)	Exclude	Yes	-	-	-	-	-	-	-	-
R. Casadio; A. E. Kild	ding; J 2017 2017	From Lab to Real World: Heat Acclimation Considerations for Elite Athletes Sports Med	Exclude	-	No	-	-	-	-	-	-	-
S. Celi Chamberlain; A. O'M		Human Brown Adipose Tissue Plasticity: Hormonal and Environmental Manipulation Hormones, Metabolism Psychosocial interventions for supporting women to stop smoking in pregnancy Cochrane Database of		Yes	-	-	-	-	-	-	-	-
				Yes	-	-	-	-	-	- N-	-	-
Charlot; C. Faure; S Cheng; A. Law; M. G		Influence of Hot and Cold Environments on the Regulation of Energy Balance Following a Single Nutrients Acupuncture for acute hordeolum Cochrane Database of	Exclude	Yes	-	-	-	-	-	No	-	-
Chu; C. Chen; J. Li; J		Effects of Tibetan turnip (Brassica rapa L.) on promoting hypoxia-tolerance in healthy humans J Ethnopharmacol	Exclude	Yes	-	-	-	-	-	-	-	-
Cullum; Z. Liu	2017	Therapeutic ultrasound for venous leg ulcers Cochrane Database of		Yes					-			
T. Cumming; T. Raas		Vitamin C and E supplementation does not affect heat shock proteins or endogenous antioxidants BMC Nutr	Exclude	Yes						-	-	
Daniels: M. E. Loades		A Novel Approach to Treating CFS and Co-morbid Health Anxiety: A Case Study Clin Psychol Psychoth		Yes	-	-	_	-	_	-		_
Druyan; D. Atias; I. k	Ketko; 2017	The effects of smoking and nicotine ingestion on exercise heat tolerance J Basic Clin Physiol P		Yes	-	-	-	-	-	-	-	-
G. Dulloo; J. L. Miles	es-Chai 2017	Isometric thermogenesis at rest and during movement: a neglected variable in energy expenditure Obes Rev	Exclude	Yes	-	-	-	-	-	-	-	-
Eccleston; E. Fisher;	K. H. 2017	Interventions for the reduction of prescribed opioid use in chronic non-cancer pain Cochrane Database of		Yes	-	-	-	-	-	-	-	-
M. Edinburgh; A. Hei	engist; 2017	Prior exercise alters the difference between arterialised and venous glycaemia: implications for ble Br J Nutr	Exclude	Yes	-	-	-	-	-	-	-	-
Fernandez Rojas; X. l	Huang 2017	Toward a functional near-infrared spectroscopy-based monitoring of pain assessment for nonverbed Biomed Opt	Exclude	Yes	-	-	-	-	-	-	-	-
Gerwyn; M. Maes	2017	Mechanisms Explaining Muscle Fatigue and Muscle Pain in Patients with Myalgic Encephalomye Curr Rheumatol Rep	Exclude	Yes	-	-	-	-	-	-	-	-
R. Gibson; L. Taylor;	; P. W. 2017	Cross-Adaptation: Heat and Cold Adaptation to Improve Physiological and Cellular Responses to Sports Med	Exclude	-	No	-	-	-	-	-	-	-
R. Gibson; A. G. Will		Power Relative to Body Mass Best Predicts Change in Core Temperature During Exercise-Heat S J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-
Gollan; S. Chalmers;	S. Ald 2017	Supplemental intermittent-day heat training and the lactate threshold J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
. Gonzalez; C. J. Fuc		Glucose Plus Fructose Ingestion for Post-Exercise Recovery-Greater than the Sum of Its Parts? Nutrients	Exclude	Yes	-	-	-	-	-	-	-	-
Goodall; K. Thomas;		Neuromuscular changes and the rapid adaptation following a bout of damaging eccentric exercise Acta Physiol (Oxf)	Exclude	Yes	-	-	-	-	-	-	-	-
. Handrakis; Z. Ni Gu		Effect of Heat Exposure on Cognition in Persons with Tetraplegia J Neurotrauma	Exclude	-	-	-	-	-	No	-	-	-
B. Harding; J. P. Peña		Iodine supplementation for women during the preconception, pregnancy and postpartum period		Yes	-	-	-	-	-	-	-	-
Harris; T. F. Moe; H.		Brief intervention, physical exercise and cognitive behavioural group therapy for patients with chi Eur J Pain	Exclude	Yes	-	-	-	-	-	-	-	-
M. Hinkley; A. R. Kor	-	Short-term intense exercise training reduces stress markers and alters the transcriptional response Am J Physiol Regul Ir		-	-	-	-	-	-	No	-	-
L. Hunter; A. S. Shah	h; J. P. 2017	Fire Simulation and Cardiovascular Health in Firefighters Involvement of serotonin in the ventral tegmental area in thermoregulation of freely moving rats Neurosci Lett	Exclude	-	-	-	-	-	-	No	-	-

										##Dhysiol J	araica - DDE boart	erformance, VO2max, economy/efficiency, or tre temp, and thermal comfort during exercise	ir lactate threshold.
				Decision	Reason(s) for in	clusion/evelusi	on:			Physiology during ex	ercise – K.F.E., neart rate, sweat rate, co	e temp, and thermal comfort during exercis	e.
Author	Year	Title	Journal	Include or exclude?	Irrelevant / off-topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
A. James; A. J. Richard		Short-term heat acclimation improves the determinants of endurance performance and 5-km runni			-	-	-	-	-	-	No	-	-
I. I. Johnson; L. S. Clayo	don; 2017	Transcutaneous electrical nerve stimulation (TENS) for fibromyalgia in adults	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
. M. Jones; K. A. Rostor		Cold Acclimation Does Not Alter Physiological or Perceptual Responses During Subsequent Exer	Mil Med	Exclude	Yes	-	-	-	-	-	-	-	-
Y. Ju; K. Wang; H. S. C	Cui; \2017		Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
W. Kenefick; K. R. He	eaven 2017	Effect of Physical Load on Aerobic Exercise Performance during Heat Stress	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
. P. Kenny; R. McGinn		-		Exclude	-	No	-	-	-	-	-	-	-
I. A. King; L. R. Leon; I				Exclude	Yes	-	-	-	-	-	-	-	-
Krstic; W. Yuchi; H. C.		The Heat Exposure Integrated Deprivation Index (HEIDI): A data-driven approach to quantifying I		Exclude	-	No	-	-	-	-	-	-	-
Kumbargere Nagraj; R.			Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Legault; A. Clement; C		Cognitive consequences of sleep deprivation, shiftwork, and heat exposure for underground miner		Exclude	Yes	-	-	-	-	-	-	-	-
H. Lei; S. R. Stannard;		Influence of menstrual phase and arid vs. humid heat stress on autonomic and behavioural thermo		Exclude	Yes	-	-	-	-	-	-	-	-
Lindemann; A. Stotz; !		Effect of Indoor Temperature on Physical Performance in Older Adults during Days with Normal			Yes	-	-	-	-	-	-	-	-
Lloyd; L. Picton; M. R		Localized and systemic variations in central motor drive at different local skin and muscle temper			-	-	-	-	-	-	No	-	-
M. Luhring; J. P. DeLo		Scaling from Metabolism to Population Growth Rate to Understand How Acclimation Temperatur		Exclude	Yes	-	-	-	-	-	-	-	-
Maeda	2017	Relationship between maximum oxygen uptake and peripheral vasoconstriction in a cold environr	Physiol Anthropol	Exclude	Yes	-	-	-	-	-	-	-	-
J. Marquardt; A. B. Bu				Exclude	Yes	-	-	-	-	-	-	-	-
Mazlomi; F. Golbabaei	ei; S. 2017	The influence of occupational heat exposure on cognitive performance and blood level of stress h		Exclude	Yes	-	-	-	-	-	-	-	-
McArdle; M. J. Jackso	=	The role of attenuated redox and heat shock protein responses in the age-related decline in skeleta		Exclude	-	No	-	-	-	-	-	-	-
L. McCleave; K. M. Sl	latter 2017	Temperate Performance Benefits after Heat, but Not Combined Heat and Hypoxic Training	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
McGinn; M. P. Poirier;			Appl Physiol Nutr Metab	Exclude	-	No	-	-	-	-	-	-	-
Minahan; M. Melnikof	ff; K. 2017	Response of women using oral contraception to exercise in the heat	Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
A. Miragem; P. I. Hom	nem c 2017	Nitric oxide-heat shock protein axis in menopausal hot flushes: neglected metabolic issues of chrc I	Hum Reprod Update	Exclude	Yes	-	-	-	-	-	-	-	-
Ng; F. Khan; C. A. You	ung; 12017	Symptomatic treatments for amyotrophic lateral sclerosis/motor neuron disease	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Nicolò; C. Massaroni;	L. P. 2017	Respiratory Frequency during Exercise: The Neglected Physiological Measure	Front Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
L. Nielsen; P. Aagaard;	T. A 2017	Blood flow restricted training leads to myocellular macrophage infiltration and upregulation of he	Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
H. Nieto Estrada; D. M			Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Njemini; L. N. Forti; T	Г. Ме 2017	Sex difference in the heat shock response to high external load resistance training in older humans I	Exp Gerontol	Exclude	Yes	-	-	-	-	-	-	-	-
R. Notley; J. Park; K. T	Tagar 2017	Variations in body morphology explain sex differences in thermoeffector function during compen	Exp Physiol	Exclude	-	No	-	-	-	-	-	-	-
O'Reilly; H. L. Cheng;		New insights in professional horse racing; in-race" heart rate data, elevated fracture risk, hydratio	Sports Sci	Exclude	Yes	-	-	-	-	-	-	-	-
E. O'Shea; J. O'Gorman			Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
G. Ostinelli; M. J. Broo	oke-12017	Haloperidol for psychosis-induced aggression or agitation (rapid tranquillisation)	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Otani; T. Goto; H. Goto	to; M 2017	Time-of-day effects of exposure to solar radiation on thermoregulation during outdoor exercise in	Chronobiol Int	Exclude	-	No	-	-	-	-	-	-	-
Pallubinsky; L. Schelle	en; B 2017	Thermophysiological adaptations to passive mild heat acclimation	Temperature (Austin)	Exclude	-	-	-	-	-	-	No	-	-
. Park; J. Jeong	2017	Total Power Radiometer for Medical Sensor Applications Using Matched and Mismatched Noise		Exclude	Yes	-	-	-	-	-	-	-	-
Pearson; M. S. Ganio; Z	Z. J. 12017	Post Junctional Sudomotor and Cutaneous Vascular Responses in Noninjured Skin Following Head	Burn Care Res	Exclude	Yes	-	-	-	-	-	-	-	-
D. Périard; S. Racinais;	; T. T 2017	Strategies and factors associated with preparing for competing in the heat: a cohort study at the 20 I	Br J Sports Med	Exclude	-	No	-	-	-	-	-	-	-
P. Philp; M. Buchheit;		Does Short-Duration Heat Exposure at a Matched Cardiovascular Intensity Improve Intermittent-I	nt J Sports Physiol Perfor	Exclude	-	-	-	-	-	-	No	-	-
F. Piil; J. Lundbye-Jens	sen; S 2017	Performance in complex motor tasks deteriorates in hyperthermic humans	Temperature (Austin)	Exclude	Yes	-	-	-	-	-	-	-	-
Pollak; G. Merin; M. F.	Horo 2017	Heat Acclimatization Protects the Left Ventricle from Increased Diastolic Chamber Stiffness Imm	Front Physiol	Exclude	-	No	-	-	-	-	-	-	-
C. D. Pomatto; K. J. A.	. Day 2017	The role of declining adaptive homeostasis in ageing	Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
K. Powers	2017	Exercise: Teaching myocytes new tricks J	Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
Racinais; M. G. Wilson	n; N. 2017	Heat acclimation has a protective effect on the central but not peripheral nervous system	Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
Racinais; M. G. Wilson			Am J Physiol Regul Integr		-	-	-	-	-	-	No	-	-
K. Ranchordas; D. Ro			Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
A. Rankin; H. Sargeant;	t; H. I 2017	Low-level laser therapy for carpal tunnel syndrome	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
A. Rendell; J. Prout; J.		Effects of 10 days of separate heat and hypoxic exposure on heat acclimation and temperate exerc			-	-	-	-	-	-	No	-	-
Rivas; M. Rao; T. Cast				Exclude	-	-	-	-	-	-	No	-	-
J. Roberge; J. H. Kim;		Umbilical temperature correlation with core and skin temperatures at rest, in the heat and during p		Exclude	-	-	-	-	-	-	No	-	-
M. Salgado; A. C. Shea		Mitochondrial efficiency and exercise economy following heat stress: a potential role of uncoupling		Exclude	Yes	-	-	-	-	-	-	-	-
Schmit; Y. Le Meur; R.				Exclude	-	-	-	-	-	-	No	-	-
M. Slepian; C. R. Franc	ce 2017	The effect of resilience on task persistence and performance during repeated exposure to heat pair	Behav Med	Exclude	-	No	-	-	-	-	-	-	-
Soancatl Aguilar; J. v. o		1		Exclude	Yes	-	-	-	-	-	-	-	-
Songsorn; J. Ruffino; N	N. B. 2017	No effect of acute and chronic supramaximal exercise on circulating levels of the myokine SPAR(Eur J Sport Sci	Exclude	Yes	-	-	-	-	-	-	-	-
M. A. Thompson; A. M	M. Cc 2017	Chronic heat exposure for health and exercise performance - cardiovascular research heats up	Physiol	Exclude	-	No	-	-	-	-	-	-	-
J. Tipton; N. Collier; F			Exp Physiol										

										**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	erformance, VO2max, economy/efficiency, or re temp, and thermal comfort during exercis	e.
				Decision	Reason(s) for i	inclusion/exclus	ion:						
Author	Year	Title	Journal	Include or exclude?	Irrelevant / off-topic?	Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
E. Vincent; B. Ais	,	The Impact of Heat Exposure and Sleep Restriction on Firefighters' Work Performance and Physic			Yes	-	-	-	-	-	-	-	-
. M. Walker; B. M.	-	Foam dressings for treating pressure ulcers	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
A. J. Westby; J. C. D		0 . 0	Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
. Wijayanto; S. Tora		Cognitive performance during passive heat exposure in Japanese males and tropical Asian males to		Exclude	-	-	-	-	-	-	No	-	-
. G. B. Willmott; M		Short-term heat acclimation prior to a multi-day desert ultra-marathon improves physiological and		Exclude	-	-	-	-	-	-	No	-	-
C. S. Wiysonge; H. A		Beta-blockers for hypertension	Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Xu; N. Driedonks;		Mapping quantitative trait loci for heat tolerance of reproductive traits in tomato (Solanum lycope		Exclude	Yes	-	-	-	-	-	-	-	-
E. Yardley; S. R. C	-	24		Exclude	37	No	-	-	-	-	-	-	-
 Zeltner; I. Sailer; Zhang; R. de Dear 		Randomized controlled within-subject evaluation of digital and conventional workflows for the fa University students' cognitive performance under temperature cycles induced by direct load control		Exclude Exclude	Yes	-	-	-	-	-	-	-	-
		Upper thermal limits differ among and within component species in a tritrophic host-parasitoid-hy		Exclude	Yes	-	-	-	-	-	-	-	-
. J. Agosta; K. A. Jo L. F. Alghannam; J. 7		Restoration of Muscle Glycogen and Functional Capacity: Role of Post-Exercise Carbohydrate an		Exclude	Yes	-	-	-	-	-	-	-	-
Amatya; J. Young;		Non-pharmacological interventions for chronic pain in multiple sclerosis	Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
. Amatya, J. Toung, L. E. Archer; A. T. V		Exercise, heat shock proteins and insulin resistance	Philos Trans R Soc Lond I		r es	No		- E	1				
. E. Armstrong; E. C		Interactions of Gut Microbiota, Endotoxemia, Immune Function, and Diet in Exertional Heatstrok				No							
C. L. Atkinson; H. H.				Exclude	Yes	-							
. N. Balmain; S. Sal		Aging and Thermoregulatory Control: The Clinical Implications of Exercising under Heat Stress		Exclude	-	No		-	-	_	-	-	-
R. Barley; D. W. C			Int J Sports Physiol Perfor		Yes	-	-	-	-	-	-	_	-
M. Bath; H. S. Lee		Swallowing therapy for dysphagia in acute and subacute stroke	Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	
Belaya; M. Suwa;		- 11 11 1		Exclude	Yes	-	-	-	-	-	-	-	
C. Bernardo; J. Y.	Y. Ooi; K 2018	Understanding Key Mechanisms of Exercise-Induced Cardiac Protection to Mitigate Disease: Cur		Exclude	-	No	-	-	-	-	-	-	
. A. Birnie; M. Noe	el; C. T. C 2018	Psychological interventions for needle-related procedural pain and distress in children and adoles	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Bröde; D. Fiala; B.	Lemke; 2018	Estimated work ability in warm outdoor environments depends on the chosen heat stress assessment	Int J Biometeorol	Exclude	Yes	-	-	-	-	-	-	-	-
I. J. Buller; A. P. We	elles; K. I 2018	Wearable physiological monitoring for human thermal-work strain optimization	J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
I. J. Buono; M. Kol	lding; E. I 2018	Heat acclimation causes a linear decrease in sweat sodium ion concentration	J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
1. Burtscher; H. Gat	tterer; J. E 2018	Extreme Terrestrial Environments: Life in Thermal Stress and Hypoxia. A Narrative Review	Front Physiol	Exclude	-	No	-	-	-	-	-	-	-
I. Cernych; A. Satas	s; M. Bra: 2018	Post-sauna recovery enhances brain neural network relaxation and improves cognitive economy in	Int J Hyperthermia	Exclude	-	-	-	-	-	-	No	-	-
. S. Y. Chan; D. T. F	Bautista; 12018	Traditional Chinese herbal medicine for vascular dementia	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
. Chou; P. Côté; K.	Randhaw 2018	The Global Spine Care Initiative: applying evidence-based guidelines on the non-invasive manage	Eur Spine J	Exclude	Yes	-	-	-	-	-	-	-	-
. Chrétien; S. Lavoi		Reduced endogenous pain inhibition in adolescent girls with chronic pain	Scand J Pain	Exclude	Yes	-	-	-	-	-	-	-	-
Corbett; R. A. Ren	idell; H. C 2018	Inter-individual variation in the adaptive response to heat acclimation	J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
T. Costello; R. A. F		Effects of acute or chronic heat exposure, exercise and dehydration on plasma cortisol, IL-6 and C		Exclude	-	-	-	-	-	-	No	-	-
I. A. M. Daanen; S.		Heat Acclimation Decay and Re-Induction: A Systematic Review and Meta-Analysis		Exclude	-	No	-	-	-	-	-	-	-
A. A. Dalina; I. E. Ko		[Sestrins are Gatekeepers in the Way from Stress to Aging and Disease]	Mol Biol (Mosk)	Exclude	Yes	-	-	-	-	-	-	-	-
. Damas; C. Ugrinov		Resistance training in young men induces muscle transcriptome-wide changes associated with mu		Exclude	Yes	-	-	-	-	-	No	-	-
R. Ely; L. A. Blan		Physiological Responses to Overdressing and Exercise-Heat Stress in Trained Runners		Exclude	-	-	-	-	-	-	No	-	-
. Eschen; J. Abel; R		ACTIVE-CONTRACTING VARIABLE-STIFFNESS FABRICS FOR SELF-FITTING WEARA			Yes	-	-	-	-	-	-	-	-
A. Falgiano; T. L. C		Dietary curcumin supplementation does not alter peripheral blood mononuclear cell responses to	** /	Exclude	Yes	-	-	-	-	-	-	-	-
Fisher; E. Law; J.		Psychological therapies for the management of chronic and recurrent pain in children and adolesc			Yes	-	-	-	-	-	-	-	-
D. Flouris; R. Mc V. A. Franco; T. Tu		Screening criteria for increased susceptibility to heat stress during work or leisure in hot environn Non-pharmacological interventions for treating chronic prostatitis/chronic pelvic pain syndrome		Exclude	- Yes	No	-	-	-	-	-	-	-
. Fujii; R. D. Meade		Effect of P2 receptor blockade on cutaneous vasodilation during rest and exercise in the heat in your			res	-	-	-	-	-	- No		-
. M. Goertz; C. R. I		Effect of Usual Medical Care Plus Chiropractic Care vs Usual Medical Care Alone on Pain and D		Exclude	Yes	-	-	-	-	-	INO	-	-
D. B. Goulet; M. C	-	Impact of Mild Hypohydration on Muscle Endurance, Power, and Strength in Healthy, Active Old		Exclude	Yes	-	-	-	-	-	-	-	-
. Guirguis; R. Basu		Heat, Disparities, and Health Outcomes in San Diego County's Diverse Climate Zones	Geohealth	Exclude	Yes	-E	Ť.	T.	1	1			_
S. Hafen; C. N. Pre				Exclude	-	-		-	-	-	No	-	-
F. Harrison	2018	Approaches for testing hypotheses for the hypometric scaling of aerobic metabolic rate in animals			Yes	-		-	-	-	-	-	_
A. Hawley; C. Lun		Maximizing Cellular Adaptation to Endurance Exercise in Skeletal Muscle		Exclude	-	No	-	-	-	-	-	-	-
L. J. Heaney; S. C.	-	Intensified training increases salivary free light chains in trained cyclists: Indication that training		Exclude	Yes	-		_	-	-	-	-	-
L. Heathcote; P. H.			Front Physiol	Exclude	-	No	-	-	-	-	-	-	-
. J. Hodges; D. G. S		Episodic bouts of hyperaemia and shear stress improve arterial blood flow and endothelial function		Exclude	Yes	-		-	-	-	-	-	-
. G. Hoehne; D. M.		Heat exposure during outdoor activities in the US varies significantly by city, demography, and ac		Exclude	Yes	-	-	-	-	-	-	-	-
. P. Hoekstra; N. C.		Acute and chronic effects of hot water immersion on inflammation and metabolism in sedentary,		Exclude	-	-	-	-	-	-	No	-	-
. R. Hood; S. N. Au	ustad; P. I 2018	The Mitochondrial Contribution to Animal Performance, Adaptation, and Life-History Variation	Integr Comp Biol	Exclude	Yes	-	-	-	-	-	-	-	-
. Hopewell; O. Adeo		Multifactorial and multiple component interventions for preventing falls in older people living in	Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
. C. Hung; Y. H. Lia	ao; Y. S. T 2018	Hot Water Bathing Impairs Training Adaptation in Elite Teen Archers	Chin J Physiol	Exclude	-	-	-	-	-	No	-	-	-

									**Physiology during ex	ercise = RPE, heart rate, sweat rate. co	re temp, and thermal comfort during exercis	or lactate threshold. se.
			Decision	Reason(s) fo	or inclusion/exclus	sion:					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
uthor	Year	Title Journal	Include or exclude?		off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
D. Hunter; J. Laosirip	pisan; / 2018	Effects of yoga interventions practised in heated and thermoneutral conditions on endothelium-de Exp Physiol	Exclude	-	-	-	-	-	-	No	-	-
. Hurley; K. Dickson;	; R. Ha 2018	Exercise interventions and patient beliefs for people with hip, knee or hip and knee osteoarthritis: Cochrane Database of	Sys Exclude	Yes	-	-	-	-	-	-	-	-
A. James; A. J. Richa	ardson; 2018	Short-Term Heat Acclimation and Precooling, Independently and Combined, Improve 5-km Time J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-
D. Johnston; G. M. B	Black; 12018	Applied Sport Science of Australian Football: A Systematic Review Sports Med	Exclude	-	No	-	-	-	-	-	-	-
M. Jones; B. Roeland	ds; S. I 2018	Impairment of exercise performance following cold water immersion is not attenuated after 7 day: Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Kadlecová; T. Jirsa; C	O. Nov 2018	Natural plant hormones cytokinins increase stress resistance and longevity of Caenorhabditis eleg Biogerontology	Exclude	Yes	-	-	-	-	-	-	-	-
L. Kimball; P. M. Mc	cCue; 12018	Whole body heat exposure modulates acute glucose metabolism Int J Hyperthermia	Exclude	-	-	-	-	-	-	No	-	-
Kramerova; J. A. Torre	res; A. 2018	Calpain 3 and CaMKIIβ signaling are required to induce HSP70 necessary for adaptive muscle gr Hum Mol Genet	Exclude	Yes	-	-	-	-	-	-	-	-
K. Kunutsor; H. Khan	ın; T. L. 2018	Joint associations of sauna bathing and cardiorespiratory fitness on cardiovascular and all-cause n Ann Med	Exclude	-	No	-	-	-	-	-	-	-
A. Laukkanen; T. Laul		Combined Effect of Sauna Bathing and Cardiorespiratory Fitness on the Risk of Sudden Cardiac I Prog Cardiovasc Dis	Exclude	-	No	-	-	-	-	-	-	-
Laxminarayan; V. Ral	akesh; 12018	Individualized estimation of human core body temperature using noninvasive measurements J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
J. Lee; N. D. Clarke;		Whole body precooling attenuates the extracellular HSP72, IL-6 and IL-10 responses after an acu J Sports Sci	Exclude	-	-	-	-	-	-	No	-	-
G. Lee; K. R. Kim; J.	J. Kim; 2018	Effects of heat waves on daily excess mortality in 14 Korean cities during the past 20 years (1991 Int J Biometeorol	Exclude	Yes	-	-	-	-	-	-	-	-
S. Leicht; A. D. Flour		Age alters cardiac autonomic modulations during and following exercise-induced heat stress in fe	Exclude	-	-	-	-	-	-	No	-	-
S. Leicht; A. Halliday	ıy; W. I 2018	Heart rate variability responses to acute and repeated postexercise sauna in trained cyclists Appl Physiol Nutr Met	ab Exclude	-	-	-	-	-	-	-	No	-
D. Lennox; M. Cecch	hini-St 2018	Safety and tolerability of sauna detoxification for the protracted withdrawal symptoms of substance J Int Med Res	Exclude	Yes	-	-	-	-	-	-	-	-
Luther; J. Gabriel; R.	R. P. Wa 2018	The Impact of Total Body Prehabilitation on Post-Operative Outcomes After Major Abdominal Su World J Surg	Exclude	-	No	-	-	-	-	-	-	-
MacLean; J. Dillon; J	J. A. B 2018	The effect of low volume sprint interval training in patients with non-alcoholic fatty liver disease Phys Sportsmed	Exclude	Yes	-	-	-	-	-	-	-	-
Makrgeorgou; J. Leoi	onardi - 2018	Probiotics for treating eczema Cochrane Database of	Sys Exclude	Yes	-	-	-	-	-	-	-	-
Malgoyre; P. E. Tardo	do-Dinc 2018	Uncoupling psychological from physiological markers of heat acclimatization in a military contex J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
. Marino	2018	The influence of thermal inputs on brain regulation of exercise: An evolutionary perspective Prog Brain Res	Exclude	-	No	-	-	-	-	-	-	-
AcCleery; R. P. Abrah	aham; I 2018	Vitamin and mineral supplementation for preventing dementia or delaying cognitive decline in per Cochrane Database of	Sys Exclude	Yes	-	-	-	-	-	-	-	-
 McClelland; S. F. O 	Godek 2018	Effects of Cardiovascular Fitness and Body Composition on Maximal Core Temperature in Colleg J Strength Cond Res	Exclude	Yes	-	-	-	-	-	-	-	-
McGorm; L. A. Robe	erts; J. 2018	Turning Up the Heat: An Evaluation of the Evidence for Heating to Promote Exercise Recovery, N Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Mehiriz; P. Gosselin;	; I. Tan 2018	The Effect of an Automated Phone Warning and Health Advisory System on Adaptation to High F Int J Environ Res Publi	c H Exclude	Yes	-	-	-	-	-	-	-	-
Milligan; M. Paul; M	A. Rich 2018	Vaccines for preventing typhoid fever Cochrane Database of	Sys Exclude	Yes	-	-	-	-	-	-	-	-
Jujika; S. Halson; L.	. M. Bt 2018	An Integrated, Multifactorial Approach to Periodization for Optimal Performance in Individual an Int J Sports Physiol Per	for Exclude	Yes	-	-	-	-	-	-	-	-
Norman; M. J. Westb	by; A. 12018	Dressings and topical agents for treating venous leg ulcers Cochrane Database of	Sys Exclude	Yes	-	-	-	-	-	-	-	-
R. Notley; A. D. Flou	uris; G. 2018	On the use of wearable physiological monitors to assess heat strain during occupational heat stress Appl Physiol Nutr Met	ab Exclude	-	No	-	-	-	-	-	-	-
R. Notley; E. A. Taylo	lor; N. 2018	Cutaneous vasomotor adaptation following repeated, isothermal heat exposures: evidence of adap Appl Physiol Nutr Met	ab Exclude	-	-	-	-	-	-	No	-	-
Okerblom; W. Fletes;	; H. H. 2018	Human-like Cmah inactivation in mice increases running endurance and decreases muscle fatigab Proc Biol Sci	Exclude	Yes	-	-	-	-	-	-	-	-
Pankam; S. Saensiripl	ohan; S 2018	The validation and evaluation of anti-HIV testing algorithm used in mobile clinic setting for men Asian Pac J Allergy Im	mu Exclude	Yes	-	-	-	-	-	-	-	-
Papadiochou; A. L. Pi	Pissioti: 2018	Marginal adaptation and CAD-CAM technology: A systematic review of restorative material and J Prosthet Dent	Exclude	Yes	-	-	-	-	-	-	-	-
Parris; C. J. Tyler	2018	Practical Torso Cooling During Soccer-Specific Exercise in the Heat J Athl Train	Exclude	Yes	-	-	-	-	-	-	-	-
K. Pedersen; J. A. Wa	agenaa 2018	Proficiency of WHO Global Foodborne Infections Network External Quality Assurance System P J Clin Microbiol	Exclude	Yes	-	-	-	-	-	-	-	-
Pellevoisin; C. Videau	au; D. I 2018	SkinEthic™ RHE for in vitro evaluation of skin irritation of medical device extracts Toxicol In Vitro	Exclude	Yes	-	-	-	-	-	-	-	-
S. Perrotta; M. D. Wl	/hite; N 2018	Efficacy of Hot Yoga as a Heat Stress Technique for Enhancing Plasma Volume and Cardiovascul J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-
A. Porras-Salazar; D. l	P. Wyc 2018	Reducing classroom temperature in a tropical climate improved the thermal comfort and the perfo	Exclude	Yes	-	-	-	-	-	-	-	-
J. Price; M. Trbovich		Thermoregulation following spinal cord injury Handb Clin Neurol	Exclude	Yes	-	-	-	-	-	-	-	-
ryce; L. Choi; M. Ric	ichards 2018	Insecticide space spraying for preventing malaria transmission Cochrane Database of S	Sys Exclude	Yes	-	-	-	-	-	-	-	-
urdom; L. Kravitz; k	K. Dok 2018	Understanding the factors that effect maximal fat oxidation J Int Soc Sports Nutr	Exclude	Yes	-	-	-	-	-	-	-	-
Ravanelli; G. B. Coo		Maximum Skin Wettedness after Aerobic Training with and without Heat Acclimation Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
Rinaldi; T. T. Trong;		Immersion with menthol improves recovery between 2 cycling exercises in hot and humid enviror Appl Physiol Nutr Met		-	-	-	-	-	-	No	-	-
W. S. Rutjes; D. A. D		Vitamin and mineral supplementation for maintaining cognitive function in cognitively healthy pe Cochrane Database of S		Yes	-	-	-	-	-	-	-	-
W. Schleh; B. C. Rub		Short term heat acclimation reduces heat stress, but is not augmented by dehydration J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
Schmit; R. Duffield; (Optimizing Heat Acclimation for Endurance Athletes: High- Versus Low-Intensity Training Int J Sports Physiol Per		-	-	-	-	-	-	No	-	-
Sheahen; J. W. Fell		Intestinal damage following short-duration exercise at the same relative intensity is similar in tem Appl Physiol Nutr Met		-	-	-	-	-	-	No	-	-
Shou; J. Fan	2018	Design of Nanofibrous and Microfibrous Channels for Fast Capillary Flow Langmuir	Exclude	Yes	-	-	-	-	-	-	-	-
Simancas-Racines; I.		Interventions for treating acute high altitude illness Cochrane Database of S		Yes	-	-	-	-	-	-	-	-
Skein; G. Wingfield;		Sleep quantity and quality during consecutive day heat training with the inclusion of cold-water ir J Therm Biol	Exclude	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
E. Skórzyńska-Dzidu		Heat Shock Proteins as a Potential Therapeutic Target in the Treatment of Gestational Diabetes M Int J Mol Sci	Exclude	Yes	-	-	-	-	-	-	-	-
maïl-Faugeron; A. M		Pulp treatment for extensive decay in primary teeth Cochrane Database of S		Yes	-	-	-	-	-	-	-	-
. Spector; J. Krenz; N		Associations between heat exposure, vigilance, and balance performance in summer tree fruit har Appl Ergon	Exclude	-	No	-	-	-	-	-	-	-
St George; A. Morgar		Injectable local anaesthetic agents for dental anaesthesia Cochrane Database of S		Yes	-	-	-	-	-	-	-	-
J. Stacey; D. R. Woo	ods; S. 2018	Heat acclimatization blunts copeptin responses to hypertonicity from dehydrating exercise in hum Physiol Rep	Exclude	-	-	-	-	-	-	No	-	-

												rformance, VO2max, economy/efficiency, or re temp, and thermal comfort during exercis	
				Decision	Reason(s) for	inclusion/exclus	ion·			Thysiology during ex	ricise - Ki E, heart fate, sweat fate, co	e temp, and thermal control during exercis	c.
uthor	Year	Title Jo	urnal	Include or exclude?	Irrelevant / off topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
M. Stephens; S. L. Hals	son; 12018	Influence of body composition on physiological responses to post-exercise hydrotherapy J S	Sports Sci	Exclude	-	-	-	-	-	-	-	-	No
J. Stevens; S. L. Heath	ncote; 2018	Effect of two-weeks endurance training wearing additional clothing in a temperate outdoor enviro Te	mperature (Austin)	Exclude	-	-	-	-	-	-	No	-	-
Suvi; M. Mooses; S. Ti	impn 2018	Impact of sodium citrate ingestion during recovery after dehydrating exercise on rehydration and Ap	ppl Physiol Nutr Metab	Exclude	-	-	-	-	-	-	No	-	-
C. Szymanski; T. L. G		Short-term dietary curcumin supplementation reduces gastrointestinal barrier damage and physiol J A		Exclude	-	-	-	-	-	-	No	-	-
L. Taylor; C. L. Wu; Y	7. C. (2018	Post-Exercise Carbohydrate-Energy Replacement Attenuates Insulin Sensitivity and Glucose Tole Nu	trients	Exclude	Yes	-	-	-	-	-	-	-	-
Thabrew; K. Stasiak; S		E-Health interventions for anxiety and depression in children and adolescents with long-term phy Co			Yes	-	-	-	-	-	-	-	-
Timpmann; A. C. Hack			ppl Physiol Nutr Metab		-	-	-	-	-	-	No	-	-
Uerlings; Z. G. Song; X		Heat exposure affects jejunal tight junction remodeling independently of adenosine monophospha Po		Exclude	Yes	-	-	-	-	-	-	-	-
Γ. van der Steen; H. J. A			chrane Database of Sys		Yes	-	-	-	-	-		•	-
V. Venkataraman; A. K		Locomotor constraints favour the evolution of the human pygmy phenotype in tropical rainforests Pro		Exclude	Yes	-	-	-	-	-	-	-	-
M. R. Viana; L. Silva-		Field evaluation of a real time loop-mediated isothermal amplification assay (RealAmp) for malar PL		Exclude	Yes	-	-	-	-	-	-	-	-
Visser; M. H. McLachla Voelkel: D. Hellman: R		Community-based supplementary feeding for food insecure, vulnerable and malnourished popula Co			Yes	-	-	-	-	-	-	-	-
Voelkel; D. Hellman; R R. Watkins; J. Gibbons		Assessing Vulnerability to Urban Heat: A Study of Disproportionate Heat Exposure and Access to Int			Yes	- N.	-	-	-	-	-	-	-
				Exclude	-	No	-	-	-	-	Nr.	•	-
R. Watkins; M. Hayes; D. White.	2018			Exclude Exclude	Yes	-	-	-	-	-	No	•	-
G. B. Willmott; O. R. O		Physiological and perceptual responses to exercising in restrictive heat loss attire with use of an u Te		Exclude	r es	-	-	-	-	-	- No	-	-
G. B. Willmott; M. Ha		Once- and twice-daily heat acclimation confer similar heat adaptations, inflammatory responses a Ph		Exclude	-	-	-	-	-	-	No	-	-
Wilson; E. Cockburn		Recovery following a marathon: a comparison of cold water immersion, whole body cryotherapy Eu		Exclude	Yes	-	-		-	-	-		
M. Woyton; S. Kluzek		Partial mid-portion Achilles tear resulting in substantial improvement in pain and function in an al BM		Exclude	Yes	-	-		-	-	-		-
Zhang; P. McManus; I		A Raster-Based Subdividing Indicator to Map Urban Heat Vulnerability: A Case Study in Sydney, Int			Yes						_		
Zimmermann; G. Land		Precooling With Crushed Ice: As Effective as Heat Acclimation at Improving Cycling Time-Trial Int			-	-		-	-	_	No	-	
J. Zurawlew; J. A. Me		Post-exercise Hot Water Immersion Elicits Heat Acclimation Adaptations in Endurance Trained at Fro		Include	_	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
L. Adams; D. J. Casa; l				Exclude	-		-	-	-	-	No		-
P. Akerman; K. N. Tho	omas; 2019	Heat therapy vs. supervised exercise therapy for peripheral arterial disease: a 12-wk randomized, Ar	n J Physiol Heart Circ P	Exclude	-	-	-	-	-	No	-	-	-
Al Said; S. Alabed; K.	Kaie 2019	Non-vitamin K antagonist oral anticoagulants (NOACs) post-percutaneous coronary intervention Co			Yes	-	-	-	-	-	-	-	-
. D. Albuquerque; B. 1	N. G. 2019	Interventions for morphea Co	chrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Armour; C. C. Ee; D.	Naid 2019	Exercise for dysmenorrhoea Co	chrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
R. Barnes; J. F. Ambro	se; A 2019	Incidence, timing, and seasonal patterns of heat illnesses during U.S. Army basic combat training, M.	smr	Exclude	-	No	-	-	-	-	-	-	-
Beck; V. Peña-Vivas; S	S. Fle 2019	Metacognition across sensory modalities: Vision, warmth, and nociceptive pain	gnition	Exclude	Yes	-	-	-	-	-	-	-	-
E. Berkovich; A. H. St	tark; 2019	Rapid Weight Loss in Competitive Judo and Taekwondo Athletes: Attitudes and Practices of Coac Int	J Sport Nutr Exerc Met	Exclude	-	No	-	-	-	-	-	-	-
Bidonde; A. J. Busch; C			chrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
Bonnette; C. A. DiCesa		Injury Risk Factors Integrated Into Self-Guided Real-Time Biofeedback Improves High-Risk Bioi J S		Exclude	Yes	-	-	-	-	-	-	-	-
P. Boulet; J. Turmel	2019	-		Exclude	Yes	-	-	-	-	-	-	-	-
Brown; T. H. M. Moore			chrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Bucht; L. Donath	2019	Sauna Yoga Superiorly Improves Flexibility, Strength, and Balance: A Two-Armed Randomized C Int			-	-	-	-	-	-	-	-	No
M. Burke; L. M. Caste		International Association of Athletics Federations Consensus Statement 2019: Nutrition for Athlet Int			-	No	-	-	-	-		•	-
Burns; H. Boogaard; S.			chrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Byrne; J. K. W. Lee	2019	The Physiological Strain Index Modified for Trained Heat-Acclimatized Individuals in Outdoor H Int			-	No	-	-	-	-	-	-	-
Campa; H. Gatterer; H.		Stabilizing Bioimpedance-Vector-Analysis Measures With a 10-Minute Cold Shower After Runni Int			Yes	-	-	-	-	-	-	-	-
C. V. Cavalcanti; A. J. Cernych: N. Baranaus		Complementary therapies in labor: randomized clinical trial Re Accelerated muscle contractility and decreased muscle steadiness following sauna recovery do no Hu		Exclude Exclude	Yes	-	-	-	-	-	- No	•	-
Y. Chen; Y. C. Chen; K					Vac	-	-	-	-	-	NO	-	-
Y. Cnen; Y. C. Cnen; K E. Cooper; I. R. Hambl		Effects of caffeine and sex on muscle performance and delayed-onset muscle soreness after exerci J A Pharmacological interventions for painful sickle cell vaso-occlusive crises in adults Co	chrane Database of Sys	Exclude Exclude	Yes	-					-	-	-
Curran; J. Campbell; N		Type 1 diabetes impairs the mobilisation of highly-differentiated CD8+T cells during a single bou Ex		Exclude	Yes			-			-	-	-
A. de Moraes Silva; L.			chrane Database of Sys		1 05	- No	Ť.	-			-	-	+
Didehdar: S. Sobhani				Exclude	Yes	-	-	-	-	-	-	-	-
M. Duvnjak-Zaknich;				Exclude	-	-		_	-	_	No	-	-
Fan; W. Liu; P. Wargoo		Physiological and psychological reactions of sub-tropically acclimatized subjects exposed to diffe Inc		Exclude	Yes	-	-	-	-	-	-	-	-
Farrow; C. Lutteroth;			r J Sport Sci	Exclude	Yes	-		-	-	-	-	-	-
Fisher; E. Law; J. Dud		Psychological therapies (remotely delivered) for the management of chronic and recurrent pain in Co			Yes	-		-	-	-	-	-	-
. A. Franco; T. Turk; J			chrane Database of Sys		-	-	-	-	-	-	-	-	-
J. Fuchs; J. T. Gonzale			Physiol	Exclude	Yes	-	-	-	-	-	-	-	1-
Fuiii: K. Hatam: G. W.		Exogenous Activation of Protease-Activated Receptor 2 Attenuates Cutaneous Vasodilatation and Sk		Exclude	Yes	-	-	-	-	-	-	-	-
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									**Physiology during ex	ercise = RPE, heart rate, sweat rate. co	re temp, and thermal comfort during exercis	se.
			Decision	Reason(s) fo	or inclusion/exclus	sion:					,	
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J. Fyfe; J. R. Broatch; A. J.	2019	Cold water immersion attenuates anabolic signaling and skeletal muscle fiber hypertrophy, but no J Appl Physiol (1985)	Exclude	Yes	-	-	-	-	-	-	-	-
Gauer; B. K. Meyers	2019	Heat-Related Illnesses Am Fam Physician	Exclude	Yes	-	-	-	-	-	-	-	-
Gerrett; B. R. M. Kingma	2019	Ambient Conditions Prior to Tokyo 2020 Olympic and Paralympic Games: Considerations for Act Front Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
T. Gonzalez; J. A. Betts	2019	Dietary sugars, exercise and hepatic carbohydrate metabolism	Exclude	Yes	-	-	-	-	-	-	-	-
Gosselin; J. Béliveau; M. I	I: 2019	Wireless measurement of rectal temperature during exercise: Comparing an ingestible thermometr J Therm Biol	Exclude	Yes	-	-	-	-	-	-	-	-
M. Goudet; B. A. Bogin; N	I. 2019	Nutritional interventions for preventing stunting in children (birth to 59 months) living in urban sl Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
L. Halson; L. M. Burke; J.	12019	Nutrition for Travel: From Jet lag To Catering Int J Sport Nutr Exerc Me	Exclude	Yes	-	-	-	-	-	-	-	-
Hao; Y. Xiang; A. Degen;	Y 2019	Adding heat-treated rapeseed to the diet of yak improves growth performance and tenderness and Anim Sci J	Exclude	Yes	-	-	-	-	-	-	-	-
L. Heathcote; P. Hassmén;	2019	How Does a Delay Between Temperate Running Exercise and Hot-Water Immersion Alter the Act Front Physiol	Exclude	-	-	-	-	-	-	No	-	-
Hermand; C. Chabert; O. l	I 2019	Ultra-endurance events in tropical environments and countermeasures to optimize performances a Int J Hyperthermia	Exclude	-	No	-	-	-	-	-	-	-
Hesketh; S. O. Shepherd;	J. 2019	Passive heat therapy in sedentary humans increases skeletal muscle capillarization and eNOS cont Am J Physiol Heart Circ I	Exclude	-	-	-	-	-	-	No	-	-
P. Hoekstra; M. N. Westen	n 2019	Modality-specific training adaptations - do they lead to a dampened acute inflammatory response Appl Physiol Nutr Metab	Exclude	-	-	-	-	-	-	No	-	-
Hosokawa; E. N. Johnson	. 2019	Knowledge and Belief Toward Heat Safety and Hydration Strategies Among Runners: A Prelimin: J Athl Train	Exclude	-	No	-	-	-	-	-	-	-
Hosokawa; R. L. Stearns;	E 2019	Is Heat Intolerance State or Trait? Sports Med	Exclude	-	No	-	-	-	-	-	-	-
C. Hwang; J. H. Jung; M.	B 2019	Aquablation of the prostate for the treatment of lower urinary tract symptoms in men with benign Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
M. Jones; S. P. Bailey; K.	I 2019	Evaluation of cognitive performance and neurophysiological function during repeated immersion Brain Res	Exclude	Yes	-	-	-	-	-	-	-	-
Jung; F. Jazizadeh; T. E. I	Di 2019	Heat Flux Sensing for Machine-Learning-Based Personal Thermal Comfort Modeling Sensors (Basel)	Exclude	Yes	-	-	-	-	-	-	-	-
Kerr; G. Morse; D. Grave	s; 2019	A Detoxification Intervention for Gulf War Illness: A Pilot Randomized Controlled Trial Int J Environ Res Public I	Exclude	Yes	-	-	-	-	-	-	-	-
Ketelhut; R. G. Ketelhut	2019	The blood pressure and heart rate during sauna bath correspond to cardiac responses during submi Complement Ther Med	Exclude	-	-	-	-	-	-	No	-	-
S. Kissling; A. P. Akermar	; 2019	Heat-induced hypervolemia: Does the mode of acclimation matter and what are the implications of Temperature (Austin)	Exclude	-	-	-	-	-	-	No	-	-
Krüger; T. Reichel; C. Zei	li 2019	Role of heat shock proteins 70/90 in exercise physiology and exercise immunology and their diag. J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-
.aw; E. Fisher; C. Ecclest	0 2019	Psychological interventions for parents of children and adolescents with chronic illness Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
W. LeBaron; I. Laher; B. F	Ci 2019	Hydrogen gas: from clinical medicine to an emerging ergogenic molecule for sports athletes (1) Can J Physiol Pharmacol	Exclude	-	No	-	-	-	-	-	-	-
López-Sánchez; P. A. Ha	n 2019	Diminishing Cognitive Capacities in an Ever Hotter World: Evidence From an Applicable Power- Hum Factors	Exclude	Yes	-	-	-	-	-	-	-	-
Lubkowska; I. Bryczkows	k 2019	The Effects of Swimming Training in Cold Water on Antioxidant Enzyme Activity and Lipid Pero Int J Environ Res Public I	Exclude	Yes	-	-	-	-	-	-	-	-
Martin; E. McLeod; J. Pér	i; 2019	The Impact of Environmental Stress on Cognitive Performance: A Systematic Review Hum Factors	Exclude	-	No	-	-	-	-	-	-	-
M. Masheb; A. M. Kutz; A	. 2019	Making weight" during military service is related to binge eating and eating pathology for veteran Eat Weight Disord	Exclude	Yes	-	-	-	-	-	-	-	-
L. McCleave; K. M. Slatte	r 2019	Impaired Heat Adaptation From Combined Heat Training and Live High, Train Low" Hypoxia" Int J Sports Physiol Performance of the Combined Heat Training and Live High, Train Low Hypoxia Int J Sports Physiol Performance of the Combined Heat Training and Live High, Train Low Hypoxia Int J Sports Physiol Performance of the Combined Heat Training and Live High, Train Low Hypoxia Int J Sports Physiol Performance of the Combined Heat Training and Live High, Train Low Hypoxia Int J Sports Physiol Performance of the Combined Heat Training and Live High, Train Low Hypoxia Int J Sports Physiol Performance of the Combined Heat Training and Live High, Train Low Hypoxia Int J Sports Physiol Performance of the Combined Heat Training and Live High, Train Low Hypoxia Int J Sports Physiol Performance of the Combined Heat Training and Live High, Train Low Hypoxia Int J Sports Physiol Performance of the Combined Heat Training Int J Sports Physiol Performance of the Combined Heat Training Int J Sports Physiol Performance of the Combined Heat Training Int J Sports Physiol Performance of the Combined Heat Training Int J Sports Physiol Performance of the Combined Heat Training Int J Sports Physiol Performance of the Combined Heat Training Int J Sports Physiol Performance of the Combined Heat Training Int J Sports Physiol Performance of the Combined Heat Training Int J Sports Physiol Performance of the Combined Heat Training Int J Sports Physiol Performance of the Combined Heat Training Int J Sports Physiol Performance of the Combined Heat Training Int J Sports Physiol Performance In	Exclude	-	-	-	-	-	-	No	-	-
W. McMillan; J. L. Maher	; 2019	Influence of upper-body continuous, resistance or high-intensity interval training (CRIT) on postp Trials	Exclude	-	-	-	-	-	-	No	-	-
Morabito; A. Messeri; P.	V 2019	An Occupational Heat-Health Warning System for Europe: The HEAT-SHIELD Platform Int J Environ Res Public I	Exclude	Yes	-	-	-	-	-	-	-	-
Morán-Navarro; J. Courel	12019	Validity of Skin, Oral and Tympanic Temperatures During Exercise in the Heat: Effects of Wind a Ann Biomed Eng	Exclude	-	No	-	-	-	-	-	-	-
Moser; M. L. Eckstein; O.	12019	Performance of the Freestyle Libre flash glucose monitoring (flash GM) system in individuals wit Diabetes Obes Metab	Exclude	Yes	-	-	-	-	-	-	-	-
M. Muia; G. W. McGarr;	M 2019	Contribution of nitric oxide synthase to cutaneous vasodilatation and sweating in men of black-Al Exp Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Natale; M. Ruospo; V. M.	S 2019	Interventions for improving sleep quality in people with chronic kidney disease Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
E. Nightingale; J. P. Walhi		Biomarkers of cardiometabolic health are associated with body composition characteristics but no J Spinal Cord Med	Exclude	Yes	-	-	-	-	-		-	-
G. O'Connor	2019	Sports Medicine: Exertional Heat Illness FP Essent	Exclude	-	No	-	-	-	-	-	-	-
Dmassoli; N. E. Hill; D. R	2019	Variation in renal responses to exercise in the heat with progressive acclimatisation J Sci Med Sport	Exclude	-	-	-	-	-	-	No	-	-
akdel; M. Naebe; L. Sun	2019	Advanced Functional Fibrous Materials for Enhanced Thermoregulating Performance ACS Appl Mater Interface	Exclude	Yes	-	-	-	-	-	-	-	-
K. Pellinger; C. B. Neighb	o 2019	Acute Lower Leg Heating Increases Exercise Capacity in Patients With Peripheral Artery Disease J Cardiovasc Nurs	Exclude	-	-	-	-	-	No	-	-	-
A. Pethick; H. J. Murray;			Exclude	Yes	-	-	-	-	-		-	-
Piil; C. J. Mikkelsen; N.	J 2019	Heat Acclimation Does Not Protect Trained Males from Hyperthermia-Induced Impairments in Co Int J Environ Res Public I		-	-	-	-	-	-	No	-	-
Podstawski; K. Borysławs		The effect of prolonged thermal stress on the physiological parameters of young, sedentary men a Homo	Exclude	-	No	-	-	-	-	-	-	-
. Pryor; R. R. Pryor; L. W		Intermittent exercise-heat exposures and intense physical activity sustain heat acclimation adaptat J Sci Med Sport	Exclude	-	-	-	-	-	-	No	1-	-
R. M. Rahimi; A. L. Albai		Physiological Responses to Heat Acclimation: A Systematic Review and Meta-Analysis of Rando J Sports Sci Med	Exclude	-	No	-	-	-	-	-	-	-
Ravanelli; W. Casasola; T		Heat stress and fetal risk. Environmental limits for exercise and passive heat stress during pregnar Br J Sports Med	Exclude	Yes	-	-	-	-	-	-	1.	-
Ravanelli; G. Coombs; P.		Thermoregulatory adaptations with progressive heat acclimation are predominantly evident in unc J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
teeve; R. Gordon; P. B. L		Impairment of Cycling Capacity in the Heat in Well-Trained Endurance Athletes After High-Inten Int J Sports Physiol Performance Athletes After High-Inten Int Physiol Performance Athletes After High-Inten Int Physiol Performance Athletes After High-Inten Int Physiol Physiol Ph		1-	-	-	-	-	-	No	-	-
Regnaux; T. Davergne; O		Exercise programmes for ankylosing spondylitis Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
M. Reinar; L. Forsetlund;		Interventions for ulceration and other skin changes caused by nerve damage in leprosy Cochrane Database of Systems Cochrane		Yes	-	-	-	-	-	-	-	-
Relf; A. Willmott; M. S. F		Reliability of a wearable sweat rate monitor and routine sweat analysis techniques under heat stre; J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
tivas; C. G. Crandall; O.		Exercise heat acclimation causes post-exercise hypotension and favorable improvements in lipid a J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
Sakai; Y. Yasufuku; T. Ka		Repetitive peripheral magnetic stimulation for impairment and disability in people after stroke Cochrane Database of Systems		Yes	-	-	-	-	-	-	-	-
Sarris; M. de Manincor; F.		Harnessing the Four Elements for Mental Health Front Psychiatry	Exclude	Yes	-	-	-	-	-	-	-	-
J. Saunders; L. A. Garvica		Special Environments: Altitude and Heat Int J Sport Nutr Exerc Me		-	No	-	-	-	_	-	_	_
J. Schlader; D. Hostler; M		The Potential for Renal Injury Elicited by Physical Work in the Heat Nutrients	Exclude	1.	No	1_	-	-	1_			
Siquier-Coll; I. Bartolomé;		Effect of heat exposure and physical exercise until exhaustion in normothermic and hyperthermic J Therm Biol	Exclude							No		

										= time trial, time to exhaustion, race pe	re temp, and thermal comfort during exerci	
			Decision	Reason(s) fo	r inclusion/exclus	ion:			**Physiology during ex	ercise = KPE, heart rate, sweat rate, co	re temp, and thermal comfort during exerci	e.
uthor	Year	Title Journal	Include or exclude?		off- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
Siquier-Coll; I. Bartol	lomé; 12019	Influence of a physical exercise until exhaustion in normothermic and hyperthermic conditions on J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
J. Smith	2019	Pediatric Thermoregulation: Considerations in the Face of Global Climate Change Nutrients	Exclude	Yes	-	-	-	-	-	-	-	-
Sotiridis; T. Debevec		Heat acclimation does not affect maximal aerobic power in thermoneutral normoxic or hypoxic cc Exp Physiol	Exclude	-	-	-	-	-	-	No	-	-
Sotiridis; P. Miliotis;			Exclude	-	-	-	-	-	-	No	-	-
Steele; P. Androulakis		Comparisons of Resistance Training and Cardio" Exercise Modalities as Countermeasures to Mici Front Physiol	Exclude	-	No	-	-	-	-	-	-	-
Suvi; M. Mooses; S.	-	Influence of Sodium Citrate Supplementation after Dehydrating Exercise on Responses of Stress Medicina (Kaunas)	Exclude	-	-	-	-	-	-	No	-	-
fakakura; S. Fujimori			Exclude	-	No	-	-	-	-	-	-	-
Taylor; K. C. Miller	2019	Precooling, Hyperthermia, and Postexercise Cooling Rates in Humans Wearing American Footbal J Athl Train	Exclude	-	-	-	-	-	-	No	-	-
Taylor; H. R. Thornto		Alterations in core temperature during World Rugby Sevens Series tournaments in temperate and Eur J Sport Sci	Exclude	-	No	-	-	-	-	•	-	-
Turnes; R. S. O. Cruz I. Villafañe; K. Valde			Exclude	- V	No	-	-	-	-	•	•	-
R. Watkins; A. Walke		Osteoarthritis: a call for research on central pain mechanism and personalized prevention strategie Clin Rheumatol Women Firefighters' Health and Well-Being: An International Survey Womens Health Issues	Exclude Exclude	Yes	- No	-	-	-	-	-	-	-
Weigert; M. Hoene; F		Hepatokines-a novel group of exercise factors Pflugers Arch	Exclude	-	No	-	-	-	-	-	-	-
G. B. Willmott; M. H			Exclude	-	140	-	-	-	-	No	-	-
Yoshihara; S. W. Chai			Exclude	Yes		-		-	-	-	-	
Yuce; M. Ulusoy; A.	-		Exclude	Yes								
Zaman; A. Yousuf; A.		· · · · · · · · · · · · · · · · · · ·	Exclude	Yes	-		-	-	_	-	-	-
J. Zurawlew; J. A. M	-	Post-exercise Hot Water Immersion Elicits Heat Acclimation Adaptations That Are Retained for a Front Physiol	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
D. Alele; B. S. Malau-			Exclude	-	No	-	-	-	-	-	-	-
. Alghannam; I. Ten			Exclude	Yes	-	-	-	-	-			-
A. Alston; J. Lee; M.	I. E. M. 2020	The ghost of temperature past: interactive effects of previous and current thermal conditions on ge J Exp Biol	Exclude	Yes	-	-	-	-	-			-
Amano; N. Fujii; G. F			Exclude	-	-	-	-	-	-	No	-	-
. Ashworth; J. D. Co	otter; A 2020	Methods for improving thermal tolerance in military personnel prior to deployment Mil Med Res	Exclude	-	No	-	-	-	-	-	-	-
Bailey; C. Fuhrmann;	ı; J. Ru 2020	Wearable sensors for personal temperature exposure assessments: A comparative study Environ Res	Exclude	Yes	No	-	-	-	-	-	-	-
Barcala-Furelos; M. I	Fernán 2020	Measuring the physiological impact of extreme heat on lifeguards during cardiopulmonary resusc. Am J Emerg Med	Exclude	-	No	-	-	-	-	-	-	-
R. Barley; D. W. Cha	apman; 2020	The Influence of Heat Acclimation and Hypohydration on Post-Weight-Loss Exercise Performanc Int J Sports Physiol Performance and Property of the Influence of Heat Acclimation and Hypohydration on Post-Weight-Loss Exercise Performance and Property of the Influence of Heat Acclimation and Hypohydration on Post-Weight-Loss Exercise Performance and Property of the Influence of Heat Acclimation and Hypohydration on Post-Weight-Loss Exercise Performance and Property of the Influence of Heat Acclimation and Hypohydration on Post-Weight-Loss Exercise Performance and Property of the Influence of Heat Acclimation and Hypohydration on Post-Weight-Loss Exercise Performance and Property of the Influence of Heat Acclimation and Hypohydration on Post-Weight-Loss Exercise Performance and Property of the Influence of Heat Acclimation and Hypohydration on Post-Weight-Loss Exercise Performance and Property of the Influence of Heat Acclimation and Hypohydration on Post-Weight-Loss Exercise Performance and Property of the Influence	Exclude	-	-	-	-	-	-	No	-	-
Bidassey-Manilal; C.	. Y. Wr 2020	A Study Protocol to Determine Heat-Related Health Impacts among Primary Schoolchildren in Sc Int J Environ Res Public H	Exclude	-	No	-	-	-	-	-	-	-
Byrne; S. M. Ludingto	ton-Ho 2020	Occupational Heat Stress, Thermal Comfort, and Cognitive Performance in the OR: An Integrativ Aorn j	Exclude	Yes	-	-	-	-	-	-	-	-
S. Cahill; L. M. Care	ey; N. A 2020	Implementation interventions to promote the uptake of evidence-based practices in stroke rehabil Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Canteras; J. C. C. Ba		Transverse versus vertical groin incision for femoral artery approach Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
L. Chen; W. H. Kuan;		Comparative Study of the Composition of Sweat from Eccrine and Apocrine Sweat Glands during Int J Environ Res Public H		-	-	-	-	-	-	No	-	-
C. Choo; J. J. Peiffer;			Exclude	-	-	-	-	-	-	No	-	-
S. Courtin; S. Maldon		Assessing thermal sensitivity using transient heat and cold stimuli combined with a Bayesian adar Eur J Pain	Exclude	Yes	-	-	-	-	-	-	-	-
Curran; J. P. Campbe			Exclude	Yes	-	-	-	-	-	-	-	-
E. East; E. D. F. Dorv		Local cooling for relieving pain from perineal trauma sustained during childbirth Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Elsner; J. Kugler; M. oster; S. G. Hodder;		Transcranial direct current stimulation (tDCS) for improving activities of daily living, and physica Cochrane Database of Sys		Yes	- N.	-	-	-	-	-	-	-
J. Fuchs; J. S. J. Sme		Individual Responses to Heat Stress: Implications for Hyperthermia and Physical Work Capacity Front Physiol Hot-water immersion does not increase postprandial muscle protein synthesis rates during recover J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	No.	-	-
udin; E. L. Wegrzyn;		A Randomized, Crossover, Pharmacokinetic and Adhesion Performance Study of a Lidocaine Top J Pain Res	Exclude Exclude	Yes	-	-	-	-	-	NO	-	-
Gasparetto; C. Nessel		Diverse Effects of Thermal Conditions on Performance of Marathon Runners Front Psychol	Exclude	-	No	-	-	-	-		-	-
R. Gibson; C. A. Jam			Exclude	-:	No	-		-	-		-	-
f. Gronlund; A. J. Yar		Time series analysis of total and direct associations between high temperatures and preterm births BMJ Open	Exclude	Yes	-			-	_			
Hansen; M. Oxfeldt;			Exclude	Yes	-	-	-	-	_	-	_	-
He; R. Zhang; J. Sher		Removal of N-terminal tail changes the thermostability of the low-temperature-active exo-inulina: Bioengineered	Exclude	Yes	-	-	_	-	_	-	_	-
Hermand; A. Collado		Skin Application of 4% Menthol Enhances Running Performance in Hot and Humid Climate Int J Sports Med	Exclude	-	-		-	-	-	No	-	-
. Hoekstra; N. C. Bis			Exclude	-	No	-	-	-	-	-	-	1-
. Hoogewerf; M. J. I	-	Topical treatment for facial burns Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Iu; T. Maeda	2020	Productivity and physiological responses during exposure to varying air temperatures and clothing Indoor Air	Exclude	-	-	-	-	-	-	No	-	-
D. Hyldahl; J. M. Pea	ake 2020		Exclude	-	No	-	-	-	-	-	-	-
lhsan; C. R. Abbiss;			Exclude	-	No	-	-	-	-	-	-	-
lhsan; G. Watson; H.	I. C. Cl 2020	Skeletal Muscle Microvascular Adaptations Following Regular Cold Water Immersion	Exclude	Yes	-	-	-	-	-	-	-	-
akob; Y. M. Tesfama	ariam; 2020	Bisphosphonates or RANK-ligand-inhibitors for men with prostate cancer and bone metastases: ¿ Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
efferson; C. B. Del M	Mar; L 2020	Physical interventions to interrupt or reduce the spread of respiratory viruses Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
H. Keirns; N. A. Koe	emel; C 2020	Exercise and intestinal permeability: another form of exercise-induced hormesis? Am J Physiol Gastrointest	Exclude	-	No	-	-	-	-	-	-	-
L. Kenney	2020	Psychrometric limits and critical evaporative coefficients for exercising older women J Appl Physiol (1985)	Exclude	-	No	-	-	-	-	-	-	-

											= time trial, time to exhaustion, race pe		
			D		D ()C					**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	e.
				cision		inclusion/exclus							
author	Year	Title Journal		lude or lude?	Irrelevant / of topic?	ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
Kim; J. C. Monroe;		Skeletal muscle adaptations to heat therapy J Appl Physio	I (1985) Excl	lude	-	No	-	-	-	-	-	-	-
Klous; C. De Ruiter	.,	Sweat rate and sweat composition during heat acclimation J Therm Biol		lude	-	-	-	-	-	-	No	-	-
Klous; C. de Ruiter;		Sweat rate and sweat composition following active or passive heat re-acclimation: A pilot study Temperature (Austin) Excl	lude	-	-	-	-	-	-	No	-	-
Ko; J. Kang; S. H. S		Effectiveness of skin-heating using a water-perfused suit as passive and post-exercise heat acclim. J Therm Biol		lude	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Ko; S. H. Seol; J. K.	0.	Adaptive changes in physiological and perceptual responses during 10-day heat acclimation traini J Physiol Anth	-	lude	-	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
. Kordi; J. P. Folland		Cycling-specific isometric resistance training improves peak power output in elite sprint cyclists Scand J Med S		lude	Yes	-	-	-	-	-	-	-	-
C. Kozai; E. Twitch		Workload Intensity and Rest Periods in Professional Ballet: Connotations for Injury Int J Sports M			-	No	-	-	-	-	-	-	-
Laitano; C. K. Garc		Delayed metabolic dysfunction in myocardium following exertional heat stroke in mice J Physiol	Excl		Yes	-	-	-	-	-	-	-	-
Langhorne; S. Rama			abase of Sys Excl	lude	Yes	-	-	-	-	-	-	-	-
Larenas-Linnemann		Enhancing innate immunity against virus in times of COVID-19: Trying to untangle facts from fic World Allergy		lude	Yes	-	-	-	-	-	-	-	-
Lee; P. Willeit; T. La		Acute effects of exercise and sauna as a single intervention on arterial compliance Eur J Prev Car			-	-	-	-	-	-	No	-	-
L. Lim	2020	Fundamental Concepts of Human Thermoregulation and Adaptation to Heat: A Review in the Cor Int J Environ I			-	No	-	-	-	-	-	-	-
Liu; Z. Tian; L. Sun	,	Mitigating heat-related mortality risk in Shanghai, China: system dynamics modeling simulations Environ Geocl			Yes	-	-	-	-	-	-	-	-
K. Lorentzen; C. Da	avis; L. 2020	Interventions for frostbite injuries Cochrane Data	abase of Sys Excl	lude	Yes	-	-	-	-	-	-	-	-
Maggiolino; G. E. I	Dahl; N. 2020	Estimation of maximum thermo-hygrometric index thresholds affecting milk production in Italian J Dairy Sci	Excl	lude	Yes	-	-	-	-	-	-	-	-
L. Mahaffey	2020	Chemistry in a cup of coffee: Adapting an online lab module for teaching specific heat capacity of Biochem Mol	Biol Educ Excl	lude	Yes	-	-	-	-	-	-	-	-
Malgoyre; J. Siracu	usa; P. E. 2020	Four-month operational heat acclimatization positively affects the level of heat tolerance 6 month. Sci Rep	Excl	lude	-	-	-	-	-	-	No	-	-
McCarthy; R. Deere	re; M. L. 2020	Improved Nocturnal Glycaemia and Reduced Insulin Use Following Clinical Exercise Trial Partic Front Public F	Iealth Excl	lude	Yes	-	-	-	-	-	-	-	-
J. McCubbin; B. A.	. Allansc 2020	Sports Dietitians Australia Position Statement: Nutrition for Exercise in Hot Environments Int J Sport Nu	tr Exerc Met Excl	lude	Yes	-	-	-	-	-	-	-	-
A. Mendes; I. Lima;	; T. Sou: 2020	Motor neuroprosthesis for promoting recovery of function after stroke Cochrane Data	abase of Sys Excl	lude	Yes	-	-	-	-	-	-	-	-
Michnik; K. Duch;	I. Pokot 2020	Differences in cryostimulation and sauna effects on post-exercise changes in blood serum of athle Complement	Ther Med Excl	lude	-	-	-	-	-	-	No	-	-
Milligan; A. Daher;	; G. Vill; 2020	Primaquine alternative dosing schedules for preventing malaria relapse in people with Plasmodiur Cochrane Data	abase of Sys Excl	lude	Yes	-	-	-	-	-	-	-	-
B. Morris; O. Jay; A	A. D. Fk 2020	Sustainable solutions to mitigate occupational heat strain - an umbrella review of physiological ef Environ Healt	h Excl	lude	-	No	-	-	-	-	-	-	-
N. Moss; F. M. Bayr	ne; F. Ca 2020	Short-term isothermic heat acclimation elicits beneficial adaptations but medium-term elicits a mc Eur J Appl Ph	ysiol Excl	lude	-	-	-	-	-	-	No	-	-
M. Muia; S. R. Notl	tley; S. S 2020	Whole-body heat exchange in black-African and Caucasian men during exercise eliciting matched Exp Physiol	Excl	lude	Yes	-	-	-	-	-	-	-	-
Nakamura; K. Mura	aishi; H. 2020	Effect of a cooling strategy combining forearm water immersion and a low dose of ice slurry inge J Therm Biol	Excl	lude	Yes	-	-	-	-	-	-	-	-
Nakamura; Y. Tanat	ibe; T. Ai 2020	Low caffeine dose improves intermittent sprint performance in hot and humid environments J Therm Biol	Excl	lude	-	-	-	-	-	-	No	-	-
Nava; M. N. Zuhl	2020	Heat acclimation-induced intracellular HSP70 in humans: a meta-analysis Cell Stress Ch	aperones Excl	lude	-	No	-	-	-	-	-	-	-
R. Nilssen; H. S. Kol	oksvik; k 2020	Rehabilitation in warm climate for young adults with inflammatory arthritis: A 12-month randomi J Rehabil Med	l Excl	lude	Yes	-	-	-	-	-	-	-	-
Njemini; K. Verhaeş	eghen; T. 2020	A Novel Bead-Based Immunoassay for the Measurement of Heat Shock Proteins 27 and 70 Pathogens	Excl	lude	Yes	-	-	-	-	-	-	-	-
B. Ogden; J. L. Fall		Reliability of gastrointestinal barrier integrity and microbial translocation biomarkers at rest and f Physiol Rep	Excl		-	-	-	-	-	-	No	-	-
B. Oliveira; C. G. M	Maher; N 2020	Epidural corticosteroid injections for lumbosacral radicular pain Cochrane Data	abase of Sys Excl	lude	Yes	-	-	-	-	-	-	-	-
Otani; M. Kaya; H.	. Goto; A 2020	Rising vs. falling phases of core temperature on endurance exercise capacity in the heat Eur J Appl Ph	ysiol Excl	lude	-	-	-	-	-	-	No	-	-
Ouertani; A. Ouerta	ani; M. N 2020	New Plant Growth-Promoting, Chromium-Detoxifying Microbacterium Species Isolated From a 7 Front Bioeng	Biotechnol Excl	lude	Yes	-	-	-	-	-	-	-	-
Palareti; G. Melotti;			abase of Sys Excl		Yes	-	-		-	-		-	-
R. Parry Smith; A.	Papadoj 2020		abase of Sys Excl		Yes	-	-		-	-			-
. Parsons; D. Snape	e; J. O'H 2020	Echocardiographic changes following active heat acclimation J Therm Biol	Excl	lude	-	-	-		-	-	No	-	-
M. Pasiakos	2020	Nutritional Requirements for Sustaining Health and Performance During Exposure to Extreme En Annu Rev Nut	ir Excl	lude	-	No	-	-	-	-	-	-	-
D. Périard; D. B. Pyr	ne; D. J 2020	Short-Term Repeated-Sprint Training in Hot and Cool Conditions Similarly Benefits Performance Front Physiol	Excl		-	-	-	-	-	-	No	-	-
Pham; D. Yeap; G. I	Escalera 2020	Wearable Sensor System to Monitor Physical Activity and the Physiological Effects of Heat Expo Sensors (Base	l) Excl	lude	-	No	-		-	-	-	-	-
Pinart; J. R. Rueda;	; G. A. \$2020		abase of Sys Excl		Yes	-	-	-	-	-	-	-	-
R. Pryor; J. L. Pryor	or; L. W. 2020		Res Public H Excl		-	-	-		-	-	No	-	-
Racinais: M. Ihsan	2020	Why should I test my athletes in the heat several months before Tokyo 2020? Br J Sports M.			-	No	-	_	-	_	-		-
Racinais; D. Nichols		Health status, heat preparation strategies and medical events among elite cyclists who competed it Br J Sports M				No		-	-	-	-	-	-
Racinais; J. D. Péria		Benefits of heat re-acclimation in the lead-up to the Tokyo Olympics Br J Sports M				No		-		-	-	-	-
Rapson; E. Collman		Free light chains as an emerging biomarker in saliva: Biological variability and comparisons with Brain Behav I			Yes	-		-	-	-	-	-	-
Raven; S. A. Ron		Increasing body temperature with dynamic exercise and/or by wallowing/bathing in hot water or s J Physiol	Excl		-	No	-	-	-	-	-	-	-
Relf; G. Eichhorn; I		Validity of a wearable sweat rate monitor and routine sweat analysis techniques using heat acclim J Therm Biol	Excl			-	-	-	-	-	No	-	-
. Rissanen; A. Häk		Acute Neuromuscular and Hormonal Responses to Different Exercise Loadings Followed by a Sa J Strength Cor				-		_	-	_	No	_	_
. Rissanen; K. Häk		Acute Hemodynamic Responses to Combined Exercise and Sauna Int J Sports M				-		_	-	No	-	-	-
. C. Rodrigues Júni		Thermoregulatory and metabolic responses to a half-marathon run in hot, humid conditions J Therm Biol	Excl			No	-	_	-	-	-	-	-
Rodrigues; G. S. Tra		Effects of passive heating intervention on muscle hypertrophy and neuromuscular function: A prel J Therm Biol	Excl			No		_		-	_	-	-
Rodríguez; J. V. Pie		A Matter of Degrees: A Systematic Review of the Ergogenic Effect of Pre-Cooling in Highly Trail Int J Environ I				No		_		_	_	_	-
Rossnerova; A. Izzo		The Molecular Mechanisms of Adaptive Response Related to Environmental Stress Int J Mol Sci	Excl		Yes	-	i i	-		Ti-	_		_
Roth	2020	Reproductive physiology and endocrinology responses of cows exposed to environmental heat str Theriogenolog			Yes	-	+	-	-	-	-	-	-
	Coffman 2020	Effect of 8 days of exercise-heat acclimation on aerobic exercise performance of men in hypobaric Am J Physiol			103	-	-	-	-	-	- No	=	-

									**Physiology during or	reneise = RPF heart rate sweet mto on	erformance, VO2max, economy/efficiency, or re temp, and thermal comfort during exercis	or lactate threshold.
			Decision	Reason(s) for	inclusion/exclus	ion:			**Physiology during ex	tercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	ie.
.uthor Year	Title	Journal	Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measurin endurance exercise performance/capaci or physiology durin exercise**?
J. E. Seely 2020	Optimizing Our Patients' Entropy Production as Therapy? Hypotheses Originating from the Physi	Entropy (Basel)	Exclude	Yes	-	-	-	-	-	-	-	-
Sekiguchi; E. M. Filep; C. I 2020	Does Dehydration Affect the Adaptations of Plasma Volume, Heart Rate, Internal Body Temperatu	J Sport Rehabil	Exclude	-	-	-	-	-	-	No	-	-
Shahbazi; Y. C. Byun 2020	Towards a Secure Thermal-Energy Aware Routing Protocol in Wireless Body Area Network Base	Sensors (Basel)	Exclude	Yes	-	-	-	-	-	-	-	-
Shang; L. Peng; P. Guo; H. 2020	Metal-Organic Frameworks as a Theranostic Nanoplatform for Combinatorial Chemophototherms	ACS Biomater Sci Eng	Exclude	Yes	-	-	-	-	-	-	-	-
Shindell; Y. Zhang; M. Sco 2020	The Effects of Heat Exposure on Human Mortality Throughout the United States	Geohealth	Exclude	Yes	-	-	-	-	-	-	-	-
Siquier-Coll; I. Bartolomé; 1 2020	Effects of exposure to high temperatures on serum, urine and sweat concentrations of iron and cor		Exclude	-	-	-	-	-	-	No	-	-
Siquier-Coll; I. Bartolomé; 12020		J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
. Smith; S. White 2020		BMJ Mil Health	Exclude	Yes	-	-	-	-	-	-	-	-
B. Smith; S. White 2020	, ,	BMJ Mil Health	Exclude	Yes	-	-	-	-	-	-	-	-
Song; M. Richter; J. Waxen 2020		Curr Sports Med Rep	Exclude	-	No	-	-	-	-	-	-	-
Sotiridis; U. Ciuha; T. Deb 2020	Heat acclimation does not modify autonomic responses to core cooling and the skin thermal comf		Exclude	-	-	-	-	-	-	No	-	-
Sotiridis; T. Debevec; U. C 2020	Aerobic but not thermoregulatory gains following a 10-day moderate-intensity training protocol a		Exclude	-	-	-	-	-	-	No	-	-
. Stager; Z. A. Cheviron 2020	8	Biol Lett	Exclude	Yes	-	-	-	-	-	-	-	-
J. Stevens; M. L. Ross; J. D 2020		Int J Sports Physiol Perfor		-	No	-	-	-	-	-	-	-
J. Stevens; M. L. R. Ross; / 2020	Postexercise Hot-Water Immersion Does Not Further Enhance Heat Adaptation or Performance in		Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sugie; K. Harada; T. Takah 2020	Effectiveness of a far-infrared low-temperature sauna program on geriatric syndrome and frailty in		Exclude	-	No	-	-	-	-	•	-	-
C. S. Tan; L. K. K. Chin; I. 2020	Thermoregulation in the Aging Population and Practical Strategies to Overcome a Warmer Tomor		Exclude	- V	No	-	-	-	-	-	-	-
Tavares; M. Simões; B. Mat 2020	The Acute and Longer-Term Effects of Cold Water Immersion in Highly-Trained Volleyball Athle		Exclude	Yes	-	-	-	-	-	-	-	-
H. Taylor; R. S. Taylor; W. 2020 Till; J. Weakley; D. B. Rea 2020	Adding web-based behavioural support to exercise referral schemes for inactive adults with chron	Sports Med Open	Exclude	Yes	-	-	-	-	-	-	-	-
Travers; J. González-Alons 2020	77 7	-1	Exclude	Yes	-	-	-	-	-	-	-	-
Travers; D. Nichols; N. Rid 2020	Exercise heat acclimation has minimal effects on left ventricular volumes, function and systemic I Heat Acclimation with Controlled Heart Rate: Influence of Hydration Status		Exclude	-	-	-	-	-	-	No No	-	-
	•	Med Sci Sports Exerc	Exclude	-	-	-	-	-	-	No	-	-
Tumilty; N. Gregory; M. Bc 2020 Vaidyanathan; J. Malilay; P 2020		MMWR Morb Mortal Wk		- V	-	-	-	-	-	NO	-	-
H. van der Gaag; P. Roelof 2020		Cochrane Database of Sys		Yes Yes	-	-	-	-	-	-	-	-
K. Vanos; W. M. Thomas; A 2020	A multi-scalar climatological analysis in preparation for extreme heat at the Tokyo 2020 Olympic		Exclude	Yes	-	-	-	-	-	-	-	-
Vogel; D. Niederer; G. Jung 2020	Exercise-Induced Vascular Adaptations under Artificially Versus Pathologically Reduced Blood F		Exclude	Yes		-			-	-		
. Waldron; G. Papavasileiou 2020	Concurrent adaptations in maximal aerobic capacity, heat tolerance, microvascular blood flow and		Exclude	-						No	-	
J. Wang; C. S. Lee; R. S. Z. 2020	Adaptive thermogenesis enhances the life-threatening response to heat in mice with an Ryr1 muta		Exclude	Yes		-				-	_	
Wang; H. Zhang; Q. Xie; Y 2020	SISNAT Interacts with HSP40, a Molecular Chaperone, to Regulate Melatonin Biosynthesis and F		Exclude	Yes	_	-	_	-	_	_	_	-
G. Wardle; G. K. Ambler; F 2020		Cochrane Database of Sys		Yes	-	-	-	-	-		-	-
Watkins; G. Young; M. Wes 2020	Nobody says to you come back in six months and we'll see how you're doing": a qualitative interv			Yes	-	-	-	-	-	-	-	-
E. Welford; S. Lanham-Nev 2020	Influence of combined vitamin D(3) supplementation and resistance exercise training on musculo:		Exclude	Yes	-	-	-	-	-		-	
C. d. C. Williams; E. Fisher 2020	Psychological therapies for the management of chronic pain (excluding headache) in adults	Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
D. Willingham; T. J. Raglar 2020	Betaine Supplementation May Improve Heat Tolerance: Potential Mechanisms in Humans	Nutrients	Exclude	-	No	-	-	-	-	-	-	-
G. Wilson; J. D. Périard; C 2020	Does passive heat acclimation impact the athlete's heart continuum?	Eur J Prev Cardiol	Exclude	-	No	-	-	-	-	-	-	-
Wu; X. Wang; J. Wu; R. Wa 2020	Performance of heat-health warning systems in Shanghai evaluated by using local heat-related illr	Sci Total Environ	Exclude	Yes	-	-	-	-	-	-	-	-
Xue; M. Qiu; Y. Li; Q. M. 22020	Creating an Eco-Friendly Building Coating with Smart Subambient Radiative Cooling	Adv Mater	Exclude	Yes	-	-	-	-	-	-	-	-
Yamaguchi; N. Kasai; N. H 2020	Acute performance and physiological responses to repeated-sprint exercise in a combined hot and	Physiol Rep	Exclude	-	-	-	-	-	-	No	-	-
Y. Zhou; D. G. Huang; M. Z 2020	$Wnt/\beta\hbox{-catenin-mediated heat exposure inhibits intestinal epithelial cell proliferation and stem cell}\\$	J Cell Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
E. Ziganshina; T. Abakumo 2020	*		Exclude	Yes	-	-	-	-	-	-	-	-
Abrard; M. Bertrand; T. De 2021	Physiological, cognitive and neuromuscular effects of heat exposure on firefighters after a live tra	Int J Occup Saf Ergon	Exclude	-	No	-	-	-	-	-	-	-
W. Agnew; A. L. Roy; S. B. 2021	3.00	Scand J Pain	Exclude	-	No	-	-	-	-	-	-	-
Aijaz; I. M. Almanjahie; J. 2021	-	J Adv Res	Exclude	Yes	-	-	-	-	-	-	-	-
Akbar; Q. L. Li; M. A. Akn 2021		Environ Sci Pollut Res In		Yes	-	-	-	-	-	-	-	-
Alkemade; N. Gerrett; T. M 2021		Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
Altarriba-Bartes; J. Peña; J. 2021		Phys Sportsmed	Exclude	Yes	-	-	-	-	-	-	-	-
B. Amin; A. B. Hansen; H. 2021	Whole body passive heating versus dynamic lower body exercise: a comparison of peripheral hen		Exclude	-	-	-	-	-	-	No	-	-
P. Anderson; E. J. Pekas; S. 2021		Int J Environ Res Public I		Yes	-	-	-	-	-	-	-	-
Arede; S. Cumming; D. Johi 2021	The effects of maturity matched and un-matched opposition on physical performance and spatial of		Exclude	Yes	-	-	-	-	-	-	-	-
N. Baranauskas; K. Consta 2021	-	Exerc Sport Sci Rev	Exclude	-	No	-	-	-	-	-	-	-
Barden; K. A. Stokes; C. D 2021	Utilising a Behaviour Change Model to Improve Implementation of the Activate Injury Prevention			Yes	-	-	-	-	-	-	-	-
Bartolomé; J. Siquier-Coll; 12021	3-Week passive acclimation to extreme environmental heat (100± 3 °C) in dry sauna increases phy		Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bartolomé; J. Siquier-Coll; 12021	Effect of Handgrip Training in Extreme Heat on the Development of Handgrip Maximal Isometric			-	-	-	-	-	-	No	-	-
Basakci Calik; M. Pekesen 2021 Bellmunt-Montoya; J. M. E 2021	Investigation of the effectiveness of aerobic exercise training in individuals with ankylosing spond CHIVA method for the treatment of chronic venous insufficiency	Mod Rheumatol Cochrane Database of Sys	Exclude	- Yes	-	-	-	-	No	-	-	-

										**Physiology during ex-	ercise = RPE, heart rate, sweat rate, co	re temp, and thermal comfort during exercis	or lactate threshold. se.
				Decision	Reason(s) for i	nclusion/exclus	ion:			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Author	Year	Title	Journal	Include or exclude?	Irrelevant / off-topic?		English language?	Peer-reviewed journal?	Full text available?	female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
L. Benjamin; Y. Sek	kiguchi; 2021	Heat Acclimation Following Heat Acclimatization Elicits Additional Physiological Improvements	Int J Environ Res Public F	Exclude	-	-	-	-	-	-	-	No	-
Bezuglov; A. Lazare	rev; V. K 2021	The Prevalence of Use of Various Post-Exercise Recovery Methods after Training among Elite En	Int J Environ Res Public F	Exclude	-	No	-	-	-	-	-	-	-
. Bosy-Westphal; F. A	A. Häge 2021	What Is the Impact of Energy Expenditure on Energy Intake?	Nutrients	Exclude	Yes	-	-	-	-	-	-	-	-
. Bouscaren; R. Faric	cier; G. 12021	Heat Acclimatization, Cooling Strategies, and Hydration during an Ultra-Trail in Warm and Humi	Nutrients	Exclude	-	No	-	-	-	-	-	-	-
. J. Buller; S. K. Del	lves; A. 2021	On the real-time prevention and monitoring of exertional heat illness in military personnel	J Sci Med Sport	Exclude	-	No	-	-	-	-	-	-	-
. Callovini; A. Fornas				Exclude	-	-	-	-	-	-	No	-	-
. Cao; A. Sandberg; J		Evaluation of Spin Columns for Human Plasma Depletion to Facilitate MS-Based Proteomics And		Exclude	Yes	-	-	-	-	-	-	-	-
. M. Carey; S. E. App	ple; Z. A 2021	Diarrheal pathogens trigger rapid evolution of the guanylate cyclase-C signaling axis in bats	Cell Host Microbe	Exclude	Yes	-	-	-	-	-	-	-	-
. Chacko; S. Patel; A		Heat Exposure and Multiple Sclerosis-A Regional and Temporal Analysis	Int J Environ Res Public F		-	-	-	-	-	No	-	-	-
L. Chapman; H. W.	. Hess; R 2021	Occupational heat exposure and the risk of chronic kidney disease of nontraditional origin in the U	Am J Physiol Regul Integr	Exclude	Yes	-	-	-	-	-	-	-	-
. L. Chapman; B. D.		Kidney physiology and pathophysiology during heat stress and the modification by exercise, dehy		Exclude	-	No	-	-	-	-	-	-	-
K. Chaseling; D. Fi	-	Blunted sweating does not alter the rise in core temperature in people with multiple sclerosis exerc	Am J Physiol Regul Integr	Exclude	-	-	-	-	-	No	-	-	-
Chmielowska-Bąk; J		Plant Recovery after Metal Stress-A Review	Plants (Basel)	Exclude	Yes	-	-	-	-	-	-	-	-
. Ciuha; A. Sotiridis;		· · · · · · · · · · · · · · · · · · ·	11 /	Exclude	-	-	-	-	-		No	-	-
G. M. Coelho; J. B.		Head pre-cooling improves 5-km time-trial performance in male amateur runners in the heat	Scand J Med Sci Sports	Exclude	-	-	-	-	-	-	No	-	-
B. Coombs; J. C. Tr		Distinct contributions of skin and core temperatures to flow-mediated dilation of the brachial arter		Exclude	-	-	-	-	-	-	No	-	-
C. Costa-Beber; T. C		HSP70 as a biomarker of the thin threshold between benefit and injury due to physical exercise w	Cell Stress Chaperones	Exclude	Yes	-	-	-	-	-	-	-	-
Costello; K. M. Kea	ane; B. J 2021	Plasma uptake of selected phenolic acids following New Zealand blackcurrant extract supplement		Exclude	Yes	-	-	-	-	-	-	-	-
D'Amico; R. Fiore;	; D. Cap 2021	Function and Fiber-Type Specific Distribution of Hsp60 and αB-Crystallin in Skeletal Muscles: R	Biology (Basel)	Exclude	Yes	-	-	-	-	-	-	-	-
de Melo-Marins; J.	. B. Farir 2021	Redox balance during exercise in the heat in healthy adults: A systematic review	J Therm Biol	Exclude	-	No	-	-	-	-	-	-	-
C. Dennis; P. S. R.	. Goods; 2021	Increased air temperature during repeated-sprint training in hypoxia amplifies changes in muscle of	Eur J Sport Sci	-	-	-	-	-	-	-	-	-	-
Dervis; K. L. Dobso	on; T. S. 2021	Heat loss responses at rest and during exercise in pregnancy: A scoping review	J Therm Biol	Exclude	-	No	-	-	-	-	-	-	-
E. Diamond; R. A. M	Martin 2021	Physiological adaptation to cities as a proxy to forecast global-scale responses to climate change	J Exp Biol	Exclude	-	No	-	-	-	-	-	-	-
Dimauro; E. Graziol	li; V. Lis 2021	Systemic Response of Antioxidants, Heat Shock Proteins, and Inflammatory Biomarkers to Short-	Oxid Med Cell Longev	Exclude	-	No	-	-	-	-	-	-	-
Donnan; E. L. Willi	liams; N. 2021	The Effects of Heat Exposure During Intermittent Exercise on Physical and Cognitive Performance	Percept Mot Skills	Exclude	-	-	-	-	-	-	No	-	-
O. Ellis; B. J. Lee; J.	J. E. Turi 2021	One night of sleep fragmentation does not affect exercise-induced leukocyte trafficking or mitoger	Physiol Behav	Exclude	Yes	-	-	-	-	-	-	-	-
. A. Faghy; P. I. Brov	own; N. 1 2021	A flow resistive inspiratory muscle training mask worn during high-intensity interval training does	Eur J Appl Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
. T. Farrow; J. Maher	er; D. Th 2021	Effect of high-intensity interval training on cardiometabolic component risks in persons with para	Exp Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
Foster; J. W. Smalled	combe; S 2021	Aerobic fitness as a parameter of importance for labour loss in the heat	J Sci Med Sport	Exclude	-	-	-	-	-	-	No	-	-
. A. Francisco; C. Co		Hemodynamics of post-exercise vs. post hot water immersion recovery	J Appl Physiol (1985)	Exclude	-	-	-	-	-	-	No	-	-
. Fujii; G. W. McGan	rr; S. R. 2021	Effects of short-term heat acclimation on whole-body heat exchange and local nitric oxide synthas	Exp Physiol	Exclude	-	-	-	-	-	-	No	-	-
M. Gale; N. Etxebai	arria; K. 2021	Cycling-based repeat sprint training in the heat enhances running performance in team sport player		Exclude	-	-	-	-	-	-	No	-	-
. M. Gee; M. A. Lacr	roix; W. 2021	Cardiovascular responses to heat acclimatisation in athletes with spinal cord injury	J Sci Med Sport	Exclude	-	-	-	-	-	No	-	-	-
. Gerrett; P. Alkemad				Exclude	-	-	-	-	-	-	No	-	-
D. Gibbons; P. N. Ai	Ainslie; K 2021	Influence of the mode of heating on cerebral blood flow, non-invasive intracranial pressure and the	J Physiol	Exclude	Yes	-	-	-	-	-	-	-	-
D. Gokay; R. Durka	an; P. O 2021	Evaluation of physical properties of polyamide and methacrylate based denture base resins polym	Niger J Clin Pract	Exclude	Yes	-	-	-	-	-	-	-	-
M. Greenfield; F. G		Short-term hot water immersion results in substantial thermal strain and partial heat acclimation; of		Exclude	-	-	-	-	-	-	No	-	-
P. Griswold; A. Gen	mpeler; 2021	Personal protective equipment for reducing the risk of COVID-19 infection among health care wo	J Trauma Acute Care Surg	Exclude	Yes	-	-	-	-	-	-	-	-
Grossmann; J. L. Flu	lueck; C. 2021	The Thermoregulatory and Thermal Responses of Individuals With a Spinal Cord Injury During E	Front Physiol	Exclude	-	-	-	-	-	No	-	-	-
Gur Kabul; B. Basal	akci Cali 2021	The efficacy of manual soft-tissue mobilization in ankylosing spondylitis: A randomized controlle	Int J Rheum Dis	Exclude	Yes	-	-	-	-	-	-	-	-
G. Halsey; C. M. Br		Are humans evolved specialists for running in the heat? Man vs. horse races provide empirical ins	Exp Physiol	Exclude	-	No	-	-	-	-	-	-	-
Haroutounian; F. T.		Change in Exercise Performance and Markers of Acute Kidney Injury Following Heat Acclimation	Nutrients	Exclude	-	-	-	-	-	-	No	-	-
Hartmann-Boyce; J.	. Livings 2021		Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
N. Henderson; L. G		The Cardiometabolic Health Benefits of Sauna Exposure in Individuals with High-Stress Occupat			-	No	-	-	-	-	-	-	-
Houzelle; J. A. Jörg	-	Human skeletal muscle mitochondrial dynamics in relation to oxidative capacity and insulin sensi	Diabetologia	Exclude	Yes	-	-	-	-	-	-	-	-
Jiang; X. Shen; Y. D		Exercise combined with trimetazidine improves anti-fatal stress capacity through enhancing autop		Exclude	Yes	-	-	-	-	-	-	-	-
Jiang; J. L. Warren;		Using logic regression to characterize extreme heat exposures and their health associations: a time			-	No	-	-	-	-	-	-	-
A. Johnson-Bonson		Interactive effects of acute exercise and carbohydrate-energy replacement on insulin sensitivity in		Exclude	Yes	-	-	-	-	-	-	-	-
C. Jordan; C. G. R.		Promoting a pro-oxidant state in skeletal muscle: Potential dietary, environmental, and exercise in		Exclude	-	No	-	-	-	-	-	-	-
Jung; C. K. Uejio; T.		Using social security number to identify sub-populations vulnerable to the health impacts from ex-		Exclude	Yes	-	-	-	-	-	-	-	-
Kaisinova; A. Achal	abaeva; I 2021	[NATURAL THERAPEUTIC FACTORS IN MEDICAL REHABILITATION OF PATIENTS WI	Georgian Med News	Exclude	-	-	No	-	-	-	-	-	-
Kim; J. Jung; C. Scl		7		Exclude	Yes	-	-	-	-	-	-	-	-
K. Kim; Y. Lee; H. Y		Adaptation of Extended Reality Smart Glasses for Core Nursing Skill Training Among Undergrad	J Med Internet Res	Exclude	Yes	-	-	-	-	-	-	-	-
. King	2021	Could mitochondria help athletes to make gains?	Nature	Exclude	-	No	-	-	-	-	-	-	-
V. Kirby; S. J. E. Lu	ucas: O 2021	Intermittent post-exercise sauna bathing improves markers of exercise capacity in hot and tempera	Eur J Appl Physiol	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

										**Physiology during ov	ercise = RPE, heart rate sweat rate on	re temp, and thermal comfort during exercis	or lactate threshold. se.
			Decis	sion R	Reason(s) for in	clusion/exclus	ion:			r nysiology during ex	ercise - Kr E, heart rate, sweat rate, co	e temp, and thermal conflort during exercis	e.
uthor	Year	Title Journal	Inclu exclu	ide or I	rrelevant / off-		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
K. Korang; C. Nava; S.			base of Sys Exclu	ude Y	l'es	-	-	-	-	-	-	-	-
S. Kumar; J. Bart; C. B	Barto 2021	Core Temperature Lability Predicts Sympathetic Interruption and Cognitive Performance during F J Neurotrauma	Exclu	ude -		-	-	-	-	-	No	-	-
K. Kunutsor; J. A. Lauk	kkan 2021	High fitness levels, frequent sauna bathing and risk of pneumonia in a cohort study: Are there pot Eur J Clin Investigation	st Exclu	ude -		No	-	-	-	-	-	-	-
Lanza; C. P. Durand	2021	Heat-Moderating Effects of Bus Stop Shelters and Tree Shade on Public Transport Ridership Int J Environ Re		ude Y	/es	-	-	-	-	-	-	-	-
H. Lei; M. Fujiwara; N.	. Gei 2021	The effect of seasonal acclimatization on whole body heat loss response during exercise in a hot h J Appl Physiol	(1985) Exclu	ude -		No	-	-	-	-	-	-	-
H. Lei; F. Wang	2021	Looking ahead of 2021 Tokyo Summer Olympic Games: How Does Humid Heat Affect Enduranc J Therm Biol	Exclu	ıde -		No	-	-	-	-	-	-	-
Lester; G. L. Vickers; I		Exercise-induced amplification of mitogen-stimulated oxidative burst in whole blood is strongly i Physiol Rep	Exclu		res	-	-	-	-	-	-	-	-
Li; B. Ma; J. Dai; C. Sı		Metalized polyamide heterostructure as a moisture-responsive actuator for multimodal adaptive pi Sci Adv	Exclu		res	-	-	-	-	-	-	-	-
S. Lin; P. T. Lin; Y. S. T			base of Sys Exclu	ude Y	res	-	-	-	-	-	-	-	-
E. Loades; T. Chalder;		Anticipation of and response to exercise in adolescents with CFS: An experimental study J Psychosom Re		ude Y	res	-	-	-	-	-	-	-	-
Lovas; B. Szilágyi; E. I		Reaction Kinetics Modeling of eHsp70 Induced by Norepinephrine in Response to Exercise Stress Int J Sports Med			res	-	-	-	-	-	-	-	-
Lundby; I. S. Svendsen		Training wearing thermal clothing and training in hot ambient conditions are equally effective me J Sci Med Sport				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Luze; S. P. Nischwitz;		The Impact of Thermal Stress on Cognition and the Use of Cooling Wear for Alleviation - an Exp J Burn Care Res			/es	-	-	-	-	-	-	-	-
. J. Macartney; S. R. No	otley: 2021	Effect of exercise-heat acclimation on cardiac autonomic modulation in type 2 diabetes: a pilot sti Appl Physiol N	utr Metab Exclu	ude -		-	-	-	-	-	No	-	-
L. MacLean; K. MacLe		Monitoring heat strain: the effect of sensor type and location on single-site and mean skin tempera Int Arch Occup	Environ H Exclu		/es	-	-	-	-	-	-	-	-
MacMaster; M. Portas;		The effect of bio-banding on the anthropometric, physical fitness and functional movement charac PLoS One	Exclu	ude Y	/es	-	-	-	-	-	-	-	-
Maher; K. D. Anderse	son; 12021	Development and deployment of an at-home strength and conditioning program to support a phase Spinal Cord	Exclu	ude Y	/es	-	-	-	-	-	-	-	-
H. Manfredi	2021	Overheating or overcooling: heat transfer in the spot to fight against the pandemic obesity Rev Endocr Me	etab Disord Exclu	ude -		No	-	-	-	-	-	-	-
A. Mang; Z. J. Fennel;	R. A 2021	Heat acclimation during low-intensity exercise increases VO2max and Hsp72, but not markers of Exp Physiol	Exclu	ıde -		-	-	-	-	-	No	-	-
B. Manukhina; V. E. Ts	seilik 2021	Cardiac injury in rats with experimental posttraumatic stress disorder and mechanisms of its limit J Appl Physiol	(1985) Exclu	ide Y	l'es	-	-	-	-	-	-	-	-
D. Mao; X. Li; S. Y. Li	iu; L 2021	Exertional rhabdomyolysis in newly enrolled cadets of a military academy Muscle Nerve	Exclu	ude Y	l'es	-	-	-	-	-	-	-	-
J. Martin; M. V. Niedzv	wiecl 2021	Chronic Intermittent Mild Whole-Body Hypothermia Is Therapeutic in a Mouse Model of ALS Cells	Exclu	ide Y	l'es	-	-	-	-	-	-	-	-
Maunder; D. J. Plews; O	G. A 2021	Temperate performance and metabolic adaptations following endurance training performed under Physiol Rep	Exclu	ıde -		-	-	-	-	-	No	-	-
S. Mazalan; G. J. Lande	lers; 2021	Head Cooling Prior to Exercise in the Heat Does Not Improve Cognitive Performance J Sports Sci Me	ed Exclu	ude Y	l'es	-	-	-	-	-	-	-	-
McCarthy; R. Deere; R	R. Ch 2021	Extent and prevalence of post-exercise and nocturnal hypoglycemia following peri-exercise bolus Nutr Metab Car	rdiovasc Di Exclu	ude Y	res	-	-	-	-	-	-	-	-
F. McCarty	2021	Nutraceutical, Dietary, and Lifestyle Options for Prevention and Treatment of Ventricular Hypertr Int J Mol Sci	Exclu	ude Y	res	-	-	-	-	-	-	-	-
J. McCubbin	2021	Exertional heat stress and sodium balance: Leaders, followers, and adaptations Auton Neurosci	i Exclu	ude Y	/es	-	-	-	-	-	-	-	-
R. McGill; V. L. Simhad	dri; 22021	HLA Variants and Inhibitor Development in Hemophilia A: A Retrospective Case-Controlled Stud Front Med (Lau	isanne) Exclu	ide Y	/es	-	-	-	-	-	-	-	-
D. McIntyre; M. J. Zura	awle 2021	A comparison of heat acclimation by post-exercise hot water immersion and exercise in the heat J Sci Med Sport	t Inclu	ıde -		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
K. Merchant; A. Grund		Exertional heat illnesses in marching band artists: a case series				No	-	-	-	-	-	-	-
Y. Min; H. S. Lee; Y. S.		Association between income levels and prevalence of heat- and cold-related illnesses in Korean at BMC Public He	ealth Exclu	ıde -		No	-	-	-	-	-	-	-
Misailidi; K. Mantzios			siol Perfor Exclu	ude -		No	-	-	-	-	-	-	-
M. Mitchell; R. M. Sal	gadc 2021	Heat Acclimation Improves Heat Tolerance Test Specificity in a Criteria-dependent Manner Med Sci Sports	Exerc Exclu	ude -		-	-	-	-	-	No	-	-
Morecchiato; M. Coppi		Evaluation of extraction-free RT-PCR methods for faster and cheaper detection of SARS-CoV-2 u Int J Infect Dis	Exclu	ude Y	/es	-	-	-	-	-	-	-	-
Mornas; S. Racinais; F.		Hyperthermia reduces electromechanical delay via accelerated electrochemical processes J Appl Physiol ((1985) Exclu	ude -		-	-	-	-	-	No	-	-
Mourtakos; A. Philippo		The effect of prolonged intense physical exercise of special forces volunteers on their plasma prot J Therm Biol	Exclu	ude -		No	-	-	-	-	-	-	-
O. Murray; J. O. Brant;	; J. I 2021	Exertional heat stroke leads to concurrent long-term epigenetic memory, immunosuppression and J Physiol	Exclu	ude -		No	-	-	-	-	-	-	-
H. Musters; S. Mashay	ekhi 2021	Phototherapy for atopic eczema Cochrane Datab	base of Sys Exclu	ude Y	/es	-	-	-	-	-	-	-	-
C. U. Nakano; D. G. Ca		-	base of Sys Exclu	ude Y	/es	-	-	-	-	-	-	-	-
F. Nunfam; E. Afrifa-Ya	amo: 2021	Heat exposure effect on Ghanaian mining workers: A mediated-moderation approach Sci Total Environment	on Exclu	ıde -		No	-	-	-	-	-	-	-
Ohko; Y. Umemoto; Y.	Sak 2021	The effects of endurance exercise combined with high-temperature head-out water immersion on Int J Hyperthen	mia Exclu	ude -		-	-	-	-	-	No	-	-
Oliveira; A. Lopes; E. O	Corr 2021	An urban climate-based empirical model to predict present and future patterns of the Urban Thern Sci Total Enviro	on Exclu	ude Y	/es	-	-	-	-	-	-	-	-
Olschewski; A. Thieleb	ein; 2021	Validation of Inactivation Methods for Arenaviruses Viruses	Exclu	ude Y	/es	-	-	-	-	-	-	-	-
O. Osborne; I. B. Stewa		Short-term heat acclimation preserves knee extensor torque but does not improve 20 km self-pace Eur J Appl Physics		ude -		-	-	-	-	-	No	-	-
J. Park; A. P. Behrer; J.		Learning is inhibited by heat exposure, both internationally and within the United States Nat Hum Behav	Littera			No	-	-	-	-	-	-	-
Perez-Quintero; J. Siqu		Three weeks of passive and intervallic heat at high temperatures (100±2 °C) in a sauna improve a J Therm Biol	Exclu			-	-	-	-	-	No	-	-
D. Périard; T. M. H. Eijs		Exercise under heat stress: thermoregulation, hydration, performance implications, and mitigation Physiol Rev	Exclu			No	-	-	-	-	-	-	-
Persad; C. A. A. O'Loug			base of Sys Exclu		res	-	-	-	-	-	-	-	-
Piechotta; A. Adams; M		Antiemetics for adults for prevention of nausea and vomiting caused by moderately or highly eme Cochrane Datab			res	-	-	-	-	-	-	-	-
J. Pillon; R. J. F. Loos;		Metabolic consequences of obesity and type 2 diabetes: Balancing genes and environment for per	Exclu		res	-	-	-	-	-	-	-	-
okora; E. Sadowska-K		The Effect of Medium-Term Sauna-Based Heat Acclimation (MPHA) on Thermophysiological an Int J Environ Re				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
H. Poon; S. Prakaash; Y		Thermal strain and fluid balance during a 72-km military route march in a field setting Singapore Med				No	-	-	-	-	-	-	-
Presbitero; V. R. Melni		A unifying model to estimate the effect of heat stress in the human innate immunity during physic Sci Rep	Exclu		res	-	-	-	-	-	-	-	-
V. Price	2021	A mixed treatment comparison of selected osteopathic techniques used to treat acute nonspecific I J Osteopath Me			res	-	-	-	-	-	-	-	-
R. Pryor; J. L. Pryor; L	. W. 2021	Short term heat acclimation reduces heat strain during a first, but not second, consecutive exercise J Sci Med Sport	t Exclu	ude -		-	-	-	-	-	No	-	-

										= time trial, time to exhaustion, race pe	re temp, and thermal comfort during exerci-	
			Decision	Reason(s) for it	nclusion/evelus	ion:			rnysiology during ex	ercise – K.P.E., neart rate, sweat rate, co	re temp, and thermal comfort during exerci-	2.
Author	Year	Title Journal	Include or exclude?	Irrelevant / off-topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
Racinais; J. D. Périar	ırd; J. Pi 2021	Intensified Training Supersedes the Impact of Heat and/or Altitude for Increasing Performance in Int J Sports Physiol Perfo	Exclude	-	-	-	-	-	-	No	-	-
A. P. Ramos; C. J. Br		The Internal-to-External Load Ratio: A Tool to Determine the Efficacy of Heat Acclimation/Accli Front Sports Act Living	Exclude	-	No	-	-	-	-	-	-	-
. Ravanelli; D. Gagno	on; P. In 2021	A retrospective analysis to determine if exercise training-induced thermoregulatory adaptations ar Exp Physiol	Exclude	-	No	-	-	-	-	-	-	-
R. Rønnestad; H. Ha	amarsla 2021	Five weeks of heat training increases haemoglobin mass in elite cyclists Exp Physiol	Exclude	-	-	-	-	-	-	No	-	-
Roussey; T. Bernard	1; P. For 2021	Heat acclimation training with intermittent and self-regulated intensity may be used as an alternat J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
I. Sabapathy; F. Tan; S		Effect of heat pre-conditioning on recovery following exercise-induced muscle damage Curr Res Physiol	Exclude	-	-	-	-	-	-	No	-	-
. N. Sandford; T. Stell	-	Ozone pollution: a 'hidden' environmental layer for athletes preparing for the Tokyo 2020 Olympi Br J Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
Sekiguchi; C. L. Ben	njamin; 2021	Changes in Hydration Factors Over the Course of Heat Acclimation in Endurance Athletes Int J Sport Nutr Exerc Me	Exclude	-	-	-	-	-	-	No	-	-
Semenzato; F. Cagna		Behavioural heat-stress compensation in a cold-adapted ungulate: Forage-mediated responses to v Ecol Lett	Exclude	Yes	-	-	-	-	-	-	-	-
Sivanantham; A. V. I	Le; Y. S 2021	Adaptive Floor Cleaning Strategy by Human Density Surveillance Mapping with a Reconfigurabl Sensors (Basel)	Exclude	Yes	-	-	-	-	-	-	-	-
. Slivka; R. Shute; W.		Exercise in the heat blunts improvements in aerobic power Eur J Appl Physiol	Exclude	-	-	-	-	-	-	No	-	-
W. Smallcombe; A. P		Thermoregulation During Pregnancy: a Controlled Trial Investigating the Risk of Maternal Hyper Sports Med	Exclude	Yes	-	-	-	-	-	-	-	-
L. Snopkowski; N. T	-	The requirement for physical effort reduces voluntary cooling behavior during heat exposure in ht Physiol Behav	Exclude	-	-	-	-	-	-	No	-	-
. Suh; H. R. Lieberma		Cellular dehydration acutely degrades mood mainly in women: a counterbalanced, crossover trial Br J Nutr	Exclude	-	-	-	-	-	-	No	-	-
M. J. Taylor; N. Lino			Exclude	Yes	-	-	-	-	-	-	-	-
A. S. Taylor; J. Y. Le		Physiological interactions with personal-protective clothing, physically demanding work and glob J Therm Biol	Exclude	-	No	-	-	-	-	-	-	-
Tian; Z. Fang; W. Li		Decreased humidity improves cognitive performance at extreme high indoor temperature Indoor Air	Exclude	-	-	-	-	-	-	No	-	-
Travers; J. González		Exercise Heat Acclimation With Dehydration Does Not Affect Vascular and Cardiac Volumes or S Front Physiol	Exclude	-	-	-	-	-	-	No	-	-
Tu; W. Liu; J. Wang;	; X. Qit 2021	Biomimetic high performance artificial muscle built on sacrificial coordination network and mech Nat Commun	Exclude	-	No	-	-	-	-	-	-	-
D. Vandana; V. Sejia		Heat stress and poultry production: impact and amelioration	Exclude	Yes	-	-	-	-	-	-	-	-
A. Vardar; Z. B. Doğ			Exclude	Yes	-	-	-	-	-	-	-	-
Vesic; V. Jakovljevic		The influence of acclimatization on stress hormone concentration in serum during heat stress Mol Cell Biochem	Exclude	-	-	-	-	-	-	No	-	-
A. M. Waldock; O. F		Exercise heat acclimation and post-exercise hot water immersion improve resting and exercise res J Sci Med Sport	Exclude	-	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
. Waldron; R. Fowler		Effects of Heat Acclimation and Acclimatisation on Maximal Aerobic Capacity Compared to Exel Sports Med	Exclude	-	No	-	-	-	-	-	-	-
Walker; A. Bissas; G.		Kinematic factors associated with start performance in World-class male sprinters J Biomech	Exclude	Yes	-	-	-	-	-	-	-	-
Walter; W. W. P; O. I		Exercise hyperthermia induces greater changes in gastrointestinal permeability than equivalent pa	Exclude	-	-	-	-	-	-	No	-	-
C. Wardenaar; C. P. C		A 5-day Heat Acclimation Program Improves Heat Stress Indicators While Maintaining Exercise (J Strength Cond Res	Exclude	-	-	-	-	-	-	No	-	-
. Watkins; G. Young; l		I think we need to empower people to manage it better themselves": A qualitative interview study Phys Ther Sport	Exclude	Yes	-	-	-	-	-	-	-	-
M. Weiner; J. B. Kaz		Perceptual strain in a compensable hot environment: Accuracy and clinical correlates J Therm Biol	Exclude	-	No	-	-	-	-	-	-	-
Whing; S. Nandhra; C			Exclude	Yes	-	-	-	-	-	•	-	-
. A. Wickham; P. J. W		Sex differences in the physiological adaptations to heat acclimation: a state-of-the-art review Eur J Appl Physiol	Exclude	-	No	-	-	-	-	-	-	-
G. B. Willmott; R. H		Heat acclimation improves sweat gland function and lowers sweat sodium concentration in an adu J Cyst Fibros	Exclude	-	-	-	-	-	No	-	-	-
. Yang; Y. L. Yang; G.		Identifications of immune-responsive genes for adaptative traits by comparative transcriptome and Sci Rep	Exclude	Yes	-	-	-	-	-	-	-	-
Yoon; M. Kim; H. Le		S-Nitrosylation of Histone Deacetylase 2 by Neuronal Nitric Oxide Synthase as a Mechanism of I Circulation	Exclude	Yes	-	-	-	-	-	-	-	-
Zhang; N. Zhu	2021	Exercise heat acclimation causes human responses and safety performance improvements J Therm Biol	Exclude	-	-	-	-	-	-	No	-	-
A. P. Ramos, C. J. Br		The Internal-to-External Load Ratio: A Tool to Determine the Efficacy of Heat Acclimation/Accli Front Sports Act Living	Exclude	Yes	No					.,		
Ahmed; M. Ucci; D.		Effects of thermal sensation and acclimatization on cognitive performance of adult female student Indoor Air	Exclude	-	-	-	-	-	-	No	-	-
Banerjee; A. Middel;		A regression-based three-phase approach to assess outdoor thermal comfort in informal micro-ent Int J Biometeorol	Exclude	Yes	-	-	-	-	-	-	-	-
Barry; P. Gendron; C L. Benjamin; Y. Seki	-	Passive heat acclimation does not modulate processing speed and executive functions during cogn Appl Physiol Nutr Metab The efficacy of weekly and bi-weekly heat training to maintain the physiological benefits of heat; J Sci Med Sport		-	-	-	-	-	-	No	-	-
L. Benjamin, 1. Seki Brzęk; A. Gębczyńsk	-	Significance of variation in basal metabolic rate in laboratory mice for translational experiments J Comp Physiol B	Exclude	Yes	-	-	-	-	-	•	No	-
Corbett; H. C. Masse		The effect of medium-term heat acclimation on endurance performance in a temperate environmel Eur J Sport Sci	Exclude Exclude	res	-	-	-	-	-	- No	-	-
Egawa; T. Ogawa; T.				- -	-	-	-	-	-	NO	-	-
M. Evans; K. Rome;		Methylglyoxal reduces molecular responsiveness to 4 weeks of endurance exercise in mouse plan J Appl Physiol (1985) Foot orthoses for treating paediatric flat feet Cochrane Database of Sy	Exclude	Yes	-	-	-	-	-	-	-	-
M. Evans; K. Kome; Fernández-Martínez;		Pain management and coping strategies for primary dysmenorrhea: A qualitative study among fem Nurs Open	Exclude	Yes	-	-	-	-	-	-	-	-
remandez-wartinez, Frampton; R. M. Edir		The acute effect of fasted exercise on energy intake, energy expenditure, subjective hunger and ga Int J Obes (Lond)	Exclude	Yes				-	-			1
Fujiyoshi; T. Egawa;		TLR4-Mediated Inflammatory Responses Regulate Exercise-Induced Molecular Adaptations in M Int J Mol Sci	Exclude	Yes			-		-	-		1
N. Hussain; M. M. Co		Infrared sauna as exercise-mimetic? Physiological responses to infrared sauna vs exercise in healt Complement Ther Med		r es	-	-	-	-	-	- No	-	-
Jay	2022 2022	Can heat exposure improve exercise performance? J Sci Med Sport	Exclude Exclude	-	- No	-	-	-	-	INU	-	-
Jay P. Kimball; O. T. Inar		Wearable Sensors and Machine Learning for Hypovolemia Problems in Occupational, Military an Sensors (Basel)	Exclude	Yes	110		-	-	-	_		1
S. Kissling; A. P. Ak		A crossover control study of three methods of heat acclimation on the magnitude and kinetics of a Exp Physiol	Exclude	r es		Ť.			-	- No		£
H. Kroesen: J. O. de		Impact of thermal sensation on exercise performance in the heat: a Thermo Tokyo sub-study Eur J Appl Physiol	Exclude	-E	No	Ĺ			-	-		£
Kumar; P. Lennon; N	,	Using long-range freeze-preventive vaccine carriers in Nepal: A study of equipment performance, Vaccine X	Exclude	Yes	140	-	-	-	-	-	-	-
Kwan; E. Helms	2022	Prevalence, Magnitude, and Methods of Weight Cutting Used by World Class Powerlifters J Strength Cond Res			-	+	-	-	-	-	-	-
Ladlow; O. O'Sulliva		Dysautonomia following COVID-19 is not associated with subjective limitations or symptoms bu Heart Rhythm	Exclude Exclude	Yes	-	+	-	-	-	•	-	-
Li; Z. McKenna; Z. I		The combined effects of exercise-induced muscle damage and heat stress on acute kidney stress at Eur J Appl Physiol	Exclude	1 05	-	-	-	-	-	No.	-	+

									**Physiology during ex	ercise = RPE, heart rate, sweat rate. co	ore temp, and thermal comfort during exercis	or lactate threshold. se.
			Decision	Reason(s) for	inclusion/exclus	ion:					,	
uthor	Year		Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacity or physiology during exercise**?
Liu; Y. Zhang; H. Ch		The combination of transcatheter arterial chemoembolisation (TACE) and thermal ablation versus Cochrane Database of Sys		Yes	-	-	-	-	-	-	-	-
Manietta; V. Labonté		Algorithm-based pain management for people with dementia in nursing homes Cochrane Database of Sys	Exclude	Yes	-	-	-	-	-	-	-	-
A. T. Martins; R. L. F		A 32-day long fieldwork in Antarctica improves heat tolerance during physical exercise An Acad Bras Cienc	Exclude	-	No	-	-	-	-	-	-	-
S. Mazalan; G. J. Lar			Exclude	Yes	-	-	-	-	-	-	-	-
Meng; Z. Lv; Y. Wang	0.		Exclude	Yes	-	-	-	-	-	-	-	-
Mur-Gimeno; R. Seb			Exclude	-	-	-	-	-	-	No	-	-
Naito; M. Haramura;			Exclude	-	-	-	-	-	-	No	-	-
A. Navas; G. A. Ague			Exclude	Yes	-	-	-	-	-	-	-	-
Nishihara; J. Xiong;		,	Exclude	Yes	-	-	-	-	-	-	-	-
Pega; R. Pabayo; C. F			Exclude	Yes	-	-	-	-	-	-	-	-
P. Philp; N. W. Pitchi			Exclude	-	- N:-	-	-	-	-	No	-	-
Racinais; G. Havenitl B. Reid	h; P. Aj 2022	1 1 1	Exclude	Vac	No	-	-	-	-	-	-	-
Reminy; E. T. Ngo S		·	Exclude Exclude	Yes	-	-	-	-	-	No No	-	-
Renteria; S. Grineski			Exclude	Yes	-	-	-	-	-	INO	-	-
R. Rønnestad; J. Han		Case Report: Heat Suit Training May Increase Hemoglobin Mass in Elite Athletes Int J Sports Physiol Perfor		I CS	No.	-	-	-	-	-	-	-
Simmons; S. Lin; T.			Exclude	Yes	-	-		-	-	-		-
Soo; S. Racinais; D. J			Exclude	-						No		-
Štorkánová; S. Oresk			Exclude	Yes						-	-	-
Syed; T. L. O'Sulliva		Extreme Heat and Pregnancy Outcomes: A Scoping Review of the Epidemiological Evidence Int J Environ Res Public H		-	No						1.	1
Wallett; A. McKune;		Repeated-Sprint Exercise in the Heat Increases Indirect Markers of Gastrointestinal Damage in W Int J Sport Nutr Exerc Met			-		_	_	_	No		_
Wang; W. Zhang	2022		Exclude	Yes	-	-	-	-	-			-
Ahmed, M. Ucci, D.	Mumo 2022		Exclude	Yes								
Γ. Al-Otaibi	2022	Physiological and biochemical parameters among a population of bakers exposed to environmenta Int J Occup Med Environ	Exclude	Yes								
Aliabadi, M. Shafiee	e Motla 2022		Exclude	Yes								
B. Amin, A. B. Hanse	en, H. 12022	High-intensity exercise and passive hot water immersion cause similar postintervention changes it J Appl Physiol (1985)	Exclude	Yes								
Aoki, Y. Yamazaki, J	J. Otsu 2022	Influence of Heat Exposure on Motor Control Performance and Learning as Well as Physiological Int J Environ Res Public H	Exclude	Yes								
B. Baker, P. J. D. De	Chave 2022	Explaining variation in sweat sodium concentration: effect of individual characteristics and exerci J Appl Physiol (1985)	Exclude	Yes								
Banerjee, A. Middel a	and S. 2022	A regression-based three-phase approach to assess outdoor thermal comfort in informal micro-ent Int J Biometeorol	Exclude	Yes								
Barry, P. Gendron, C		Passive heat acclimation does not modulate processing speed and executive functions during cogn Appl Physiol Nutr Metab									No	No
Bartolomé, V. Toro-Re	omán, 2022	Acute Effect of Exposure to Extreme Heat (100 ± 3 °C) on Lower Limb Maximal Resistance Street Int J Environ Res Public H	Exclude							No		
Beal, J. Corbett, D. I.		Marathon Performance and Pacing in the Doha 2019 Women's IAAF World Championships: Extra Int J Sports Physiol Perfor	Exclude		No							
L. Benjamin, Y. Seki			Exclude							No		
Bernard, A. Zavoriti,		1 0 0 0 0 11 11 1	Exclude	Yes								
N. Borg and J. L. O'I		1 1 1	Exclude		No							
Brajer-Luftmann, M.			Exclude	Yes								
A. Brown, T. H. Topl			Exclude		No							
Brzęk, A. Gębczyński			Exclude	Yes							N.	
A. Campbell, A. P. A. Chen, Y. Liu, K. Gu,			Exclude	V							No	
Linen, Y. Liu, K. Gu, H. Cho, S. H. Jung, N		Effect of water filtration infrared-A (wIRA) sauna on inorganic ions excreted through sweat from Environ Sci Pollut Res Int	Exclude Exclude	Yes Yes								
Choe, Y. Kwon, Y. E.		Adaptive IR- and Water-Gating Textiles Based on Shape Memory Fibers ACS Appl Mater Interface		Yes								
Cil and J. Kim	2022		Exclude	Yes								
Connor, M. Germaine			Exclude	1 63						No		
Corbett, H. C. Massey			Exclude							110	No	
Costello, K. M. Kean			Exclude	Yes							-110	
N. Cramer, D. Gagne			Exclude		No							
ui, Z. Gao, U. A. Le			Exclude							No	No	
. De Barros, M. J. M			Exclude		No						<u> </u>	
Del Ferraro, T. Falcor			Exclude	Yes								
C. Dennis, P. S. R. G			Exclude								No	
C. Dennis, P. S. R. G			Exclude								No	
Deutsch, A. Sotiridis,			Exclude	Yes							-	
Di Felice, R. Barone,			Exclude	Yes								
	lliams a 2022		Exclude							No		

											serformance, VO2max, economy/efficiency, or ore temp, and thermal comfort during exercis	
			Decision	Reason(s) for	inclusion/exclus	ion:			r nysiology during ex	ercise – Kr E, neart rate, sweat rate, co	re temp, and thermal conflort during exercis	A
uthor Year	Title	Journal	Include or exclude?	Irrelevant / of topic?		English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measurin endurance exercise performance/capaci or physiology durin exercise**?
Egawa, T. Ogawa, T. Yokok 2022	Methylglyoxal reduces molecular responsiveness to 4 weeks of endurance exercise in mouse plan		Exclude	Yes								
Eimantas, S. Ivanove, N. B 2022	Modulation of neuromuscular excitability in response to acute noxious heat exposure has no additional acute noxious heat exposure has no acute no	Front Physiol	Exclude	Yes								
P. Fenemor, M. W. Driller, 1 2022	Practical application of a mixed active and passive heat acclimation protocol in elite male Olympi				No							
J. Fennel, F. T. Amorim, M. 2022	The heat shock connection: skeletal muscle hypertrophy and atrophy	Am J Physiol Regul Integ			No							
Fernández-Martínez, J. Pére 2022	Pain management and coping strategies for primary dysmenorrhea: A qualitative study among fen		Exclude	Yes								
J. Foertsch, J. T. McMullar 2022	Ketamine Stability over Six Months of Exposure to Moderate and High Temperature Environmen		Exclude	Yes								
Frampton, R. M. Edinburgh 2022	The acute effect of fasted exercise on energy intake, energy expenditure, subjective hunger and gr		Exclude		No							
Fujiyoshi, T. Egawa, E. Ku 2022	TLR4-Mediated Inflammatory Responses Regulate Exercise-Induced Molecular Adaptations in M		Exclude	Yes								
K. Garcia, G. P. Robinson, 2022	The impact of castration on physiological responses to exertional heat stroke in mice	PLoS One	Exclude	Yes								
Gervasoni, R. Bertoni, D. A 2022	Acute Thermoregulatory and Cardiovascular Response to Submaximal Exercise in People With M		Exclude	Yes								
A. Holdsworth, R. Chamley 2022	Comprehensive clinical assessment identifies specific neurocognitive deficits in working-age pati		Exclude	Yes						N.		
. G. Horgan, N. P. West, N. T 2022 Huang, H. Shi, X. Liu, X. L 2022	Acute Inflammatory, Anthropometric, and Perceptual (Muscle Soreness) Effects of Postresistance		Exclude	V						No		
N. Hussain, M. M. Cohen, 1 2022	Analysis of Climate and Income-Related Factors for High Regional Child Drowning Mortality in Infrared sauna as exercise-mimetic? Physiological responses to infrared sauna vs exercise in healt		Exclude Exclude	Yes						No		
Jay 2022	Can heat exposure improve exercise performance?	J Sci Med Sport	Exclude		No					INO		
Karamaoun, B. Haut, G. Bl 2022	Is airway damage during physical exercise related to airway dehydration? Inputs from a computat		Exclude	Yes	NO							
Karolkiewicz, D. C. Niemar 2022	No effects of a 4-week post-exercise sauna bathing on targeted gut microbiota and intestinal barri	11 2		Tes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
P. Kimball, O. T. Inan, V. A. 2022	Wearable Sensors and Machine Learning for Hypovolemia Problems in Occupational, Military an		Exclude	Yes	1 03	103	103	1 03	103	110	103	103
S. Kissling, A. P. Akerman, 2022	A crossover control study of three methods of heat acclimation on the magnitude and kinetics of a		Exclude	103							No	
H. Kroesen, J. Q. de Korte, 2022		Eur J Appl Physiol	Exclude							No	140	
H. Kuan, Y. L. Chen and C 2022	Excretion of Ni, Pb, Cu, As, and Hg in Sweat under Two Sweating Conditions	Int J Environ Res Public I		Yes						110		
B. Kulchitskaya, A. D. Fest 2022	[Non-drug methods of treatment of post-thrombophlebitic syndrome]	Vopr Kurortol Fizioter Le		Yes								
Kumar, P. Lennon, N. Mulle 2022	Using long-range freeze-preventive vaccine carriers in Nepal: A study of equipment performance,		Exclude	Yes								
Kutywayo, M. Chersich, N 2022	Climate change knowledge, concerns and experiences in secondary school learners in South Afric		Exclude	Yes								
Kwan and E. Helms 2022	Prevalence, Magnitude, and Methods of Weight Cutting Used by World Class Powerlifters	J Strength Cond Res	Exclude	Yes								
Ladlow, O. O'Sullivan, A. H 2022	Dysautonomia following COVID-19 is not associated with subjective limitations or symptoms but	Heart Rhythm	Exclude	Yes								
Lee, I. Kolunsarka, J. Koste 2022	Effects of regular sauna bathing in conjunction with exercise on cardiovascular function: a multi-	Am J Physiol Regul Integ	Exclude		Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
K. W. Lee, B. Tan, B. R. M. 2022	Biomarkers for warfighter safety and performance in hot and cold environments	J Sci Med Sport	Exclude	Yes								
K. W. Lee, B. Tan, H. B. Og 2022	Exertional heat stroke: nutritional considerations	Exp Physiol	Exclude	Yes								
Li, Z. McKenna, Z. Fennel, 2022	The combined effects of exercise-induced muscle damage and heat stress on acute kidney stress a	Eur J Appl Physiol	Exclude							No		
Lloyd, D. Fiala, C. Heyde a 2022	A mathematical model for predicting cardiovascular responses at rest and during exercise in dema	J Appl Physiol (1985)	Exclude		No							
Manware, R. Dubrow, D. C 2022	Residential and Race/Ethnicity Disparities in Heat Vulnerability in the United States	Geohealth	Exclude	Yes								
D. Marchant, J. P. Kaluhiok 2022	Localized Heat Therapy Improves Mitochondrial Respiratory Capacity but Not Fatty Acid Oxidat	Int J Mol Sci	Exclude	Yes								
A. Marciniak, C. A. Wahl at 2022	Autonomic Nervous System Response to Far-Infrared Sauna Exposure in Firefighters		Exclude	Yes								
A. T. Martins, R. L. F. Passe 2022	A 32-day long fieldwork in Antarctica improves heat tolerance during physical exercise	An Acad Bras Cienc	Exclude	Yes								
R. D. Matthews, T. A. Asto 2022	Acute Effects of High-Intensity Interval Exercise While Wearing a Sauna Suit on Energy Expend	_	Exclude							No		
S. Mazalan, G. J. Landers, 2022	Ice Ingestion Maintains Cognitive Performance during a Repeated Sprint Performance in The Hea		Exclude								No	
S. Mazalan, G. J. Landers, 2022	A Combination of Ice Ingestion and Head Cooling Enhances Cognitive Performance during Endu		Exclude								No	
McEwan, R. E. Rhodes and 2022	What Happens When the Party is Over?: Sustaining Physical Activity Behaviors after Intervention		Exclude	Yes								
L. McGlynn, C. Collins, W 2022	Heat Acclimation in Females Does Not Limit Aerobic Exercise Training Outcomes	Int J Environ Res Public I		_							No	
D. McIntyre, M. J. Zurawle 2022	A comparison of medium-term heat acclimation by post-exercise hot water immersion or exercise				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Meng, Z. Lv, Y. Wang and C 2022	Identification of the redox-stress signaling threshold (RST): Increased RST helps to delay aging it		Exclude	Yes								
Miles, P. M. McGuigan, F 2022	Biomechanical asymmetries differ between autograft types during unplanned change of direction	J Athl Train	Exclude	Yes								
C. Miller, E. D. Launstein a 2022 Mur-Gimeno, R. Sebio-Gar 2022	Body Core Temperature Cooling Using Two Cold-Water Immersion Preparation Strategies Short-term effects of two different recovery strategies on muscle contractile properties in healthy		Exclude	Yes						No		
Naito, M. Haramura, K. Mu 2022		Eur J Sport Sci	Exclude Exclude							No	No	
A. Navas, G. A. Agudelo-C 2022	Thermal boldness: Volunteer exploration of extreme temperatures in fruit flies	J Insect Physiol	Exclude	Yes							INU	
Nishihara, J. Xiong, J. Kim 2022	Effect of adaptive opportunity on cognitive performance in warm environments	Sci Total Environ	Exclude	Yes								
M. Oliveira, L. F. Sousa Fil 2022	Different dehydration levels and their impact on blood ammonia, cognitive-motor performance, a		Exclude	Yes								
Pawłowska, C. Mila-Kierz 2022	The Influence of Ambient Temperature Changes on the Indicators of Inflammation and Oxidative		Exclude	103						No		
D. Périard, D. DeGroot and 2022	Exertional heat stroke in sport and the military: epidemiology and mitigation	Exp Physiol	Exclude		No							
A. Peterson, C. Lohman, R. 2022	Body composition does not influence conditioned pain modulation and exercise-induced hyperalg		Exclude	Yes								
P. Philp, N. W. Pitchford, J. 2022	Hot water immersion; potential to improve intermittent running performance and perception of in		Exclude		Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
P. Philp, N. W. Pitchford, D 2022	Can ten days of heat acclimation training improve temperate-condition rowing performance in na		Exclude								No	
H. Poon, S. Prakaash, Y. S. 2022	Thermal strain and fluid balance during a 72-km military route march in a field setting	Singapore Med J	Exclude		No							
Protasi, B. Girolami, M. Ser 2022	Ablation of Calsequestrin-1, Ca(2+) unbalance, and susceptibility to heat stroke	Front Physiol	Exclude	Yes	1.							

									**Physiology during ex	ercise = RPE, heart rate, sweat rate. co	ore temp, and thermal comfort during exerci	or lactate threshold. se.
			Decision	Reason(s) for	inclusion/exclus	ion:					,,	
uthor	Year	Title Journal	Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
Racinais, G. Havenit		Association between thermal responses, medical events, performance, heat acclimation and health Br J Sports Med	Exclude		No							
. B. Reid	2022	Redox Implications of Extreme Task Performance: The Case in Driver Athletes Cells	Exclude	Yes								
Reminy, E. T. Ngo S		Strenuous exercise in warm environment is associated with improved microvascular function in si Eur J Appl Physiol	Exclude	Yes								
Renteria, S. Grinesk		Social disparities in neighborhood heat in the Northeast United States Environ Res	Exclude	Yes								
S. H. Roberts, S. J. F		Does game-day circadian misalignment or environmental temperature influence team performanc J Sci Med Sport	Exclude		No							
Roklicer, C. Rossi, A		Prevalence of rapid weight loss in Olympic style wrestlers J Int Soc Sports Nutr	Exclude		No							
R. Rønnestad, J. Har		Case Report: Heat Suit Training May Increase Hemoglobin Mass in Elite Athletes Int J Sports Physiol Perfor			No							
R. Rønnestad, O. M.			Exclude								No	
R. Rønnestad, T. Uri		Heat Training Efficiently Increases and Maintains Hemoglobin Mass and Temperate Endurance P Med Sci Sports Exerc	Exclude								No	
Rothschild-Rodrigue M. Saillant, N. Char		The effects of exercise on complement system proteins in humans: a systematic scoping review Exerc Immunol Rev	Exclude		No						.,	
M. Saillant, N. Chai Sekiguchi, C. L. Ber		Individual variability in achievement of short-term heat acclimation during a fixed intensity proto J Therm Biol Effects of Heat Acclimation Following Heat Acclimatization on Whole Body Heat Exchange in Ti Int J Environ Res Public F	Exclude								No No	
Sekiguchi, C. L. Ber Sekiguchi, C. L. Ber		Using Predictive Modeling Technique to Assess Core Temperature Adaptations from Heart Rate, \$\(\frac{1}{2}\) Int J Environ Res Public F			No						INU	
Sekiguchi, C. L. Ber Sekiguchi, C. L. Ber		Effects of Heat Acclimatization, Heat Acclimation, and Intermittent Exercise Heat Training on Tir Sports Health	Exclude		110						No	
Shaw, C. Walkington		Effectiveness of short-term isothermic-heat acclimation (4 days) on physical performance in mod PLoS One	Exclude								No	
Simmons, S. Lin, T.		Modeling complex effects of exposure to particulate matter and extreme heat during pregnancy or Sci Total Environ	Exclude	Yes							110	
Sitkowski, T. Cisoń,		Hematological Adaptations to Post-Exercise Sauna Bathing With No Fluid Intake: A Randomized Res Q Exerc Sport	Exclude	103	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes
Soo, S. Racinais, D.		Effects of mild heat exposure on fatigue responses during two sets of repeated sprints matched for J Sci Med Sport	Exclude								No	
Sotiridis, T. Debeve			Exclude		No							
Štangar, A. Štangar,		Rapid weight loss among elite-level judo athletes: methods and nutrition in relation to competition J Int Soc Sports Nutr	Exclude	Yes								
Γ. Stephenson, T. J.		Ice Slurry Ingestion Lowers Thermoregulatory Strain in Wheelchair Tennis Players During Repea Int J Sports Physiol Perfor	Exclude	Yes								
L. Stone, J. D. Ashle		Effects of a Short-Term Heat Acclimation Protocol in Elite Amateur Boxers J Strength Cond Res	Exclude								No	
Štorkánová, S. Ores	ská, M. 2022	Hsp90 Levels in Idiopathic Inflammatory Myopathies and Their Association With Muscle Involve Front Immunol	Exclude	Yes								
Sumi, H. Nagatsuka	a, K. Ma 2022	Heat acclimation does not attenuate hepcidin elevation after a single session of endurance exercise Eur J Appl Physiol	Exclude							No		
Syed, T. L. O'Sulliva	an and 1 2022	Extreme Heat and Pregnancy Outcomes: A Scoping Review of the Epidemiological Evidence Int J Environ Res Public F	Exclude		No							
C. C. Tan, W. H. Ang	g, L. S. 2022	Efficacy of Isothermic Conditioning over Military-Based Heat Acclimatization and Interval Train Med Sci Sports Exerc	-									
T. Tebeck, J. D. Bucl	kley an 2022	Longitudinal haematological responses to training load and heat acclimation preceding a male teal Eur J Sport Sci	Exclude		No							
Tochihara, H. Wakab	bayashi 2022	How humans adapt to hot climates learned from the recent research on tropical indigenes J Physiol Anthropol	Exclude		No							
Uchiyama, J. King,	K. Wall 2022	The influence of rest break frequency and duration on physical performance and psychophysiolog Eur J Appl Physiol	Exclude		No							
Jjszegi, R. Bertalan,		Heat waves experienced during larval life have species-specific consequences on life-history traits Sci Total Environ	Exclude	Yes								
Waldron, R. Fowler		Response to Comment on: "Effects of Heat Acclimation and Acclimatisation on Maximal Aerobic Sports Med	Exclude		No							
Wallett, A. McKune		Repeated-Sprint Exercise in the Heat Increases Indirect Markers of Gastrointestinal Damage in W Int J Sport Nutr Exerc Me	Exclude								No	
Wang and W. Zhang	-	MARnet: multi-scale adaptive residual neural network for chest X-ray images recognition of lung Math Biosci Eng	Exclude	Yes								
Wang, B. J. He, C. K	-	Assessment of walkability and walkable routes of a 15-min city for heat adaptation: Development Front Public Health	Exclude		No							
R. C. Weaver, C. Rei		Non-pharmacological interventions for vascular health and the role of the endothelium Eur J Appl Physiol	Exclude	Yes								
S. Weller and M. J. I		The effect of heat acclimation on the sweat lactate concentration vs. sweat rate relationship J Therm Biol	Exclude								No	
E. Wheelock, D. P. I			Exclude								No	
Γ. Wolf, T. E. Bernar		Heat exposure limits for young unacclimatized males and females at low and high humidity J Occup Environ Hyg	Exclude							No	No	
Zhu and M. Lal	2022	Preclinical Safety and Pharmacokinetics of Heat Stable Oxytocin in Sublingual Fast-Dissolving T Pharmaceutics	Exclude	Yes						.,	.,	
Ashworth, J. Cotter a		Post-exercise, passive heat acclimation with sauna or hot-water immersion provide comparable ad Ergonomics A burst of fenoterol excretion during the recovery of a weight loss protocol I Pharm Biomed Anal	Exclude	V						No	No	
M. Cheibub, R. Mur F. Chersich, F. Scor			Exclude	Yes								
Corbett, J. Wright an	-	Increasing global temperatures threaten gains in maternal and newborn health in Africa: A review Int J Gynaecol Obstet Sex differences in response to exercise heat stress in the context of the military environment BMJ Mil Health	Exclude	Yes	No							
. E. Costley, J. J. M		Sex differences in response to exercise neat stress in the context of the military environment Vertical jump impulse deficits persist from six to nine months after ACL reconstruction Sports Biomech	Exclude Exclude	Yes	No							
P. Fenemor, M. W. D		Heating Up to Keep Cool: Benefits and Persistence of a Practical Heat Acclimation Protocol in El Int J Sports Physiol Perfor		1 08	No							
G. Horgan, S. L. Ha		No effect of repeated post-resistance exercise cold or hot water immersion on in-season body com Eur J Appl Physiol	Exclude		110					No		
Jussain, M. Cohen,		Detections of organophosphate and pyrethroid insecticide metabolites in urine and sweat obtained Int J Hyg Environ Health								No		
Lei, S. Shi, D. Wang		Recent Advances in Thermoregulatory Clothing: Materials, Mechanisms, and Perspectives ACS Nano	Exclude	Yes								
H. Lei, M. Fujiwara,		Induction and decay of seasonal acclimatization on whole body heat loss responses during exercis Am J Physiol Regul Integ		- 00	No							
Liu, H. Feng, Y. Gui		Flexible Stretchable, Dry-Resistant MXene Nanocomposite Conductive Hydrogel for Human Mot Polymers (Basel)	Exclude	Yes								
C. Maccarone, G. M		Short-time effects of spa rehabilitation on pain, mood and quality of life among patients with degc Int J Biometeorol	Exclude	Yes								
Mornas, F. Brocheri	-		Exclude		No							
Otani	2023	Prior heat exposure diminishes upper-body endurance work capacity and maximal arm and leg str Int J Biometeorol	Exclude	Yes	1							
N. Schroeder, Z. J. S		Using Wet Bulb Globe Temperature and Physiological Equivalent Temperature as Predicative Mo Clin J Sport Med	Exclude		No							
	a, K. Ma 2023	The Impact of Heat Acclimation on Gastrointestinal Function following Endurance Exercise in a I Nutrients	Exclude								No	

									**Physiology during ex	ercise = RPE, heart rate, sweat rate. co	ore temp, and thermal comfort during exercis	or lactate threshold. ise.
			Decision	Reason(s) for	inclusion/exclus	ion:			,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
uthor	Year		Include or exclude?		ff- Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	A control group completing the same daily exercise but without post- exercise heat exposure?	Outcomes measuring endurance exercise performance/capacit or physiology during exercise**?
Ware-Gilmore, M. N		Assessing the role of family level variation and heat shock gene expression in the thermal stress re Philos Trans R Soc Lond F	Exclude	Yes								
Yamaguchi, S. Kaya			Exclude	Yes							No	
bass, Ahmed M.; El		Critical parameters affecting the thermal resistance of alkali-activated aluminosilicate wastes: Cur Environmental science and		Yes								
ma, Elizabeth; Heen			Exclude	Yes								
nnett, Samuel; Tiolli		Environmental heat stress offsets adaptation associated with carbohydrate periodization in trained Scandinavian journal of m									No	
donde, Julia; Fisher,		Effectiveness of non-pharmacological interventions for fibromyalgia and quality of review method Seminars in arthritis and ri		Yes								
azevich, Anthony J.;		More than energy cost: multiple benefits of the long Achilles tendon in human walking and runnir Biological reviews of the C		Yes						N.		
urgois, Gil; Mucci, I öde, Peter; Kampma		Effect of acute heat exposure on the determination of critical power and W' in women and men. European journal of sport Temperature-Humidity-Dependent Wind Effects on Physiological Heat Strain of Moderately Exer Biology	Exclude	Yes						No		
guet, Alain; Radoms		Heatwaves and human sleep: Stress response versus adaptation. Journal of the neurological		Yes								
iller, Mark J.; Atkins		Individualized monitoring of heat illness risk: novel adaptive physiological strain index to assess (Physiological measuremer										
raway, J. Joseph; Sh		Management of a Special Warfare Trainee With Repeat Exertional Heat Stroke: A Case Study. Journal of sport rehabilitat		Yes Yes								
ang, Howard H.; Zh		Associations between short-term ambient temperature exposure and emergency department visits Environment international		Yes								
en, Ting-Hsuan; Ho	0.		Exclude	Yes								
u, Lingzhi; Chen, K	-	Associations between short-term temperature exposure and kidney-related conditions in New Yorl Environment international		Yes								
ertjens, Marcelo; Co		Energetic responses of head-out water immersion at different temperatures during post-exercise re European journal of applie		- 00						No		
le, Edward; Donnan	-		Exclude		No							
llado, Aurélie; Rinal	ıldi, Kév 2023		Exclude							No		
oss, Rosina; Greaves		A qualitative longitudinal study of motivation in the REtirement in ACTion (REACT) physical ac The international journal of		Yes								
deiro, Jesús; Soto, E			Exclude	Yes								
shayes, Thomas A.;	Sodabi, 2023	Shifting focus: Time to look beyond the classic physiological adaptations associated with human I Experimental physiology	Exclude		No							
Cicco, Mattia; Di Lo	orenzo, 2023	Some like it hot: Thermal preference of the groundwater amphipod Niphargus longicaudatus (Cos Journal of thermal biology	Exclude	Yes								
nnan, Kate J.; Willia	iams, En 2023	The effectiveness of heat preparation and alleviation strategies for cognitive performance: A syste Temperature (Austin, Tex.	Exclude		No							
ller, Matthew; Leab	beater, A 2023	Fundamentals or Icing on Top of the Cake? A Narrative Review of Recovery Strategies and Devic Sports (Basel, Switzerland	Exclude		No							
, Peibo; Wang, Jun;	Zhan, 22023	Asymmetric Multienergy-Coupled Radiative Warming Textiles for Personal Thermal-Moisture M. ACS applied materials & i	Exclude	Yes								
ani, H.; Ghorbani, C	G. R.; H 2023	Effects of complete substitution of dietary grain and protein sources with by-products on the prod Journal of dairy science	Exclude	Yes								
voreto, Michael Will		Various ways of pre-heating a bulk-fill thermoviscous composite in restoration in non-carious cer Clinical oral investigations		Yes								
nemor, Stephen P.; E		Heating Up to Keep Cool: Benefits and Persistence of a Practical Heat Acclimation Protocol in El International journal of spe	Exclude							Yes	No	
ckowiak, Bruno; Va			Exclude	Yes								
nsson, Amanda; Bjö		Older adults' occupations in heat waves: A scoping review. Scandinavian journal of oc		Yes								
mimoto, Kanaru; Ok		Noncontact Evaluation Method for Autonomic Nervous System Activity during Exercise Using R Annual International Conf		Yes								
gnon, Daniel; Barry,			Exclude							No		
lan-Lopez, Natalia;		Heat Preparation and Knowledge at the World Athletics Race Walking Team Championships Mus. International journal of spe			No							
rcia, Christian K.; G		Delayed metabolic disturbances in the myocardium after exertional heat stroke: contrasting effect; Journal of applied physiological physiologi		Yes								
ods, Paul S. R.; Mal		Concurrent validity of the CORE wearable sensor with BodyCap temperature pill to assess core b European journal of sport Super Rehab': can we achieve coronary artery disease regression? A feasibility study protocol. BMJ open		Yes								
iby, John; Khavandi			Exclude	Yes								
ndoğdu, B.; Nouri, A tchi, Vanessa; Guille		Investigating the impacts of shaded outdoor spaces on thermal adaptation and cognitive performal International journal of bic Revisiting Motor Imagery Guidelines in a Tropical Climate: The Time-of-Day Effect. International journal of en		Yes Yes								
aly, James P.; Danes		Seasonal Temperature Variability and Mortality in the Medicare Population. Environmental health pers		Yes								
atherly, Alexander J.		Heat Acclimation Knowledge among Recreational Runners. Sports (Basel, Switzerland		165	No							
rgan, Barry G.; Tee,	-	Acute Performance, Daily Well-Being, and Hormone Responses to Water Immersion After Resista Journal of strength and coi			INO						No	
rowitz, Michal; Has		Vascular compliance and left ventricular compliance cross talk: Implications for using long-term Frontiers in physiology		Yes								
rowitz, Michal; Kop		Identification of global transcriptional variations in human peripheral blood mononuclear cells tw American journal of physi		Yes								
ughton, Michael J.;	-	Plasma measurements of the dual sugar test reveal carbohydrate immediately alleviates intestinal The Journal of physiology		Yes								
land, Andrew; Johns	-	Heat and worker health. Journal of health economic		Yes								
ig, Xiaoyan; Yang, l	Muyue; 2023	A Photo-Activated Thermoelectric Catalyst for Ferroptosis-Pyroptosis-Boosted Tumor Nanothera Advanced healthcare mate		Yes								
naruddin, Harris Ka		Carbohydrate mouth rinse is no more effective than placebo on running endurance of dehydrated a European journal of applie									No	
Deng; Takahashi, F		Effects of heatwave features on machine-learning-based heat-related ambulance calls prediction n The Science of the total en		Yes	-							
lly, Monica K.; Bow	we, Stev 2023	Heat Adaptation for Females: A Systematic Review and Meta-Analysis of Physiological Adaptatic Sports medicine (Auckland	Exclude		No							
n, Hojoong; Yoo, Yo		Outdoor Worker Stress Monitoring Electronics with Nanofabric Radiative Cooler-Based Thermal Advanced healthcare mate		Yes								
llow, Peter; Holdsw	vorth, D: 2023	Exercise tolerance, fatigue, mental health, and employment status at 5 and 12 months following C Journal of applied physiological contents and 12 months following C Journal of applied physiological contents are contents and 12 months following C Journal of applied physiological contents are contents and 12 months following C Journal of applied physiological contents are contents and 12 months following C Journal of applied physiological contents are contents and 12 months following C Journal of applied physiological contents are contents and 12 months following C Journal of applied physiological contents are contents and 12 months following C Journal of applied physiological contents are contents and 12 months followed by the contents are contents and 12 months followed by the contents are contents and 12 months followed by the contents are contents and 12 months followed by the contents are contents are contents and 12 months are contents are contents are contents are contents and 12 months are contents are contents are contents and 12 months are contents are contents are contents and 12 months are contents are co	Exclude	Yes								
londe, Chloe S.; Swi	ritchenk 2023	Shifting Sociodemographic Characteristics of a Phase I Clinical Trial Population at an NCI-Desig The oncologist	Exclude	Yes								
nghorst, Andrea; Lai		[Integrative medicine, naturopathic and complementary medicine in the treatment of fibromyalgia Schmerz (Berlin, Germany		Yes								
e, Jason K. W.; Tan,	Beverly 2023	Biomarkers for warfighter safety and performance in hot and cold environments. Journal of science and median	Exclude							No		
, Leqi; Shi, Shuo; W	Wang, D 2023	Recent Advances in Thermoregulatory Clothing: Materials, Mechanisms, and Perspectives. ACS nano	Exclude	Yes								

									*Performance/capacity	= time trial, time to exhaustion, race p	erformance, VO2max, economy/efficiency,	or lactate threshold.
			Decision Include or exclude?	Paggan(a) for i	nalusian/avalus	ion:			**Physiology during ex	ercise = RPE, heart rate, sweat rate, co	core temp, and thermal comfort during exerci	se.
Author	Year	Title Journal		Reason(s) for inclusion/exclusion: Irrelevant / off- Controlled English		English	Peer-reviewed	Full text	Usalthy male or	r ≥30-mins of at least	A control group	Outcomes measurin
xumor	icai	THE		topic?	trial design?	language?	journal?	available?	female adults ≥18 years of age?	moderate-intensity exercise in <25°C with post-exercise heat exposure for at least 2 consecutive days?	completing the same daily exercise but without post- exercise heat exposure?	endurance exercise performance/capacit or physiology during exercise**?
u, Yafei; Feng, Huixia;		Flexible Stretchable, Dry-Resistant MXene Nanocomposite Conductive Hydrogel for Human Mo Polymers	Exclude	Yes								
ı, Hanzi; Aratake, Shun	,	Development of a Core Body Thermometer Applicable for High-Temperature Environment Based Sensors (Basel, Switzerla		Yes								
ı, Xin; Xie, Daibin; Zhı		Swift Assembly of Adaptive Thermocell Arrays for Device-Level Healable and Energy-Autonomy Nano-micro letters	Exclude	Yes								
andby, Carsten; Hamars		Hematological, skeletal muscle fiber, and exercise performance adaptations to heat training in elit Journal of applied physio								-	No	
alta, Elvis Souza; Lope		Repeated cold-water immersion improves autonomic cardiac modulation following five sessions (European journal of appli								No		
anning, Ciara N.; Benja archant, Erik D.; Nelso		Environmental Stress Symptoms during Heat Acclimatization, Heat Acclimation, and Intermittent International journal of er								No		
atenant, Erik D., Neiso atias. Alexs A.: Albin. I		Passive heat stress induces mitochondrial adaptations in skeletal muscle. International journal of hy Impact of high intensity interval exercise with and without heat stress on cardiovascular and aerob BMC sports science, med			No					No		
ornas, Adèle: Brocherie		Active Heat Acclimation Does Not Alter Muscle-Tendon Unit Properties. Medicine and science in s								INO	No	
clou, Alexandra; Sarma	.,	To the extreme! How biological anthropology can inform exercise physiology in extreme environ Comparative biochemistry		-	No					-	140	
orthway, Sarah; Jones, l		Sensitivity and specificity of using exercise heart rate in a thermoneutral environment to predict h International journal of or									No	
otley, Sean R.; Mitchell	_	A century of exercise physiology: concepts that ignited the study of human thermoregulation. Part European journal of appli			No						0	
ımata, Urara; Yanaoka,		Effects of ice slurry ingestion on body temperature and softball pitching performance in a hot env Journal of physiological a			1					No		
Connell, Cameron T.; F	Reed, 2023	Cardiorespiratory and autonomic adjustments to exercise with healthy ageing: considerations with The Journal of physiology	Exclude		No							
dversich, Federico; Tar	rnons 2023	Effects of Aspergillus oryzae prebiotic on animal performance, nutrients digestibility, and feeding Journal of animal science	Exclude	Yes								
mírez-Calero, S.; Paul	la, J. I 2023	Neuromolecular responses in disrupted mutualistic cleaning interactions under future environmen BMC biology	Exclude	Yes								
stogi, Deeksha; Christi	tian, J 2023	Exploring the Spatial Patterning of Sociodemographic Disparities in Extreme Heat Exposure at M GeoHealth	Exclude	Yes								
wal, Atul; Kidchob, Cl	hristo 2023	A machine learning approach for identifying variables associated with risk of developing neutraliz Heliyon	Exclude	Yes								
entería, Liliana I.; Zhen	ng, Xi 2023	Ovariectomy aggravates the pathophysiological response to exertional heat stroke in mice. Journal of applied physiological response to exertional heat stroke in mice.	Exclude	Yes								
noads, M. L.	2023	Review: Reproductive consequences of whole-body adaptations of dairy cattle to heat stress. Animal: an international	Exclude	Yes								
oxburgh, Brendon H.; C		Acute and adaptive cardiovascular and metabolic effects of passive heat therapy or high-intensity Physiological reports	Exclude							No		
idi, Alireza; Gauvin, C		Towards real-time thermal stress prediction systems for workers. Journal of thermal biology		Yes								
eward, Charles J.; Men		The effect of age and mitigation strategies during hot water immersion on orthostatic intolerance (Experimental physiology								No		
mi, Daichi; Nagatsuka		The Impact of Heat Acclimation on Gastrointestinal Function following Endurance Exercise in a Nutrients	Exclude							No		
n, Xiang Ren; Stephen an, Yuan; Florenciano,		Elevated brain temperature under severe heat exposure impairs cortical motor activity and executi Journal of sport and healt		Yes								
ro-Román, Víctor; Prie		Facile Fabrication of Flexible and High-Performing Thermoelectrics by Direct Laser Printing on I Advanced materials (Deei Effects of High Temperature Exposure on the Wingate Test Performance in Male University Stude International journal of er		Yes						No		
wlson, Chris; Watson,		Soccer academy practitioners' perceptions and application of bio-banding. PloS one	Exclude	Yes						No		
are-Gilmore, Fhallon: 1		Assessing the role of family level variation and heat shock gene expression in the thermal stress or Philosophical transactions		Yes								
estern. Max J.: Welsh.		Exercise snacking to improve physical function in pre-frail older adult memory clinic patients: a 2 BMC geriatrics	Exclude	Yes								
llmott, A. G. B.; James		The reliability of a portable steam sauna pod for the whole-body passive heating of humans. Journal of thermal biology		Yes								
ao, Yu; Zhang, Yuanloi	ng; Q 2023	Miniaturized Flexible Non-Contact Interface Based on Heat Shrinkage Technology. Small methods	Exclude	Yes								
ng, Rui; Cao, Jing; Spe	eakm; 2023	Limits to sustained energy intake. XXXIII. Thyroid hormones play important roles in milk produc The Journal of experimen	Exclude	Yes								
shimura, Miho; Nakan	mura, 2023	Effect of CO(2) and H(2) gas mixture in cold water immersion on recovery after eccentric loading Heliyon	Exclude							No		
hed, Md Abu; Kim, Do	ong K 2023	Microfluidic-Integrated Multimodal Wearable Hybrid Patch for Wireless and Continuous Physiolc ACS sensors	Exclude	Yes								
ng, Lingjun; Gao, Gua	anghu 2023	Stretchable Organohydrogel with Adhesion, Self-Healing, and Environment-Tolerance for Wearat ACS applied materials &	i Exclude	Yes								
ai, Piyong; Liu, Hao; Z	Zhang 2023	Correlation analysis between sleep quality and the mental health status of female sex workers duri Frontiers in endocrinolog	Exclude	Yes								
ang, Liang; Zhang, Yu	-	Evaluation of species thermal sensitivity with individual-based physiological performance. Marine environmental res		Yes								
ang, Yangchang; Sun,	-	Ambient temperature and major structural anomalies: A retrospective study of over 2 million new The Science of the total e		Yes								
ang, Yingqi; Gantt, Sh	-		Exclude	Yes								
rger, Nicolas J. A.; Bes		Limits of Ultra: Towards an Interdisciplinary Understanding of Ultra-Endurance Running Perform Sports medicine (Aucklar			No							
nery, A.; Moore, S.; Cr		The effects of short-term, progressive exercise training on disease activity in smouldering multiple BMC cancer	Exclude	Yes								
rard, Olivier; Peeling,		Combining Heat and Altitude Training to Enhance Temperate, Sea-Level Performance. International journal of sp		1.	No							
onteiro Dos Santos, Dja		Twenty-first-century demographic and social inequalities of heat-related deaths in Brazilian urban PloS one	Exclude	Yes								
urray, Kevin O.; Brant, otley, Sean R.; Mitchell		Exertional heat stroke causes long-term skeletal muscle epigenetic reprogramming, altered gene e American journal of phys A century of exercise physiology; concepts that ignited the study of human thermoregulation. Parl European journal of appli		Yes	No							
tiey, Sean R.; Mitchell utillet, Benoît; Bourdil		A century of exercise physiology: concepts that ignited the study of numan thermoregulation. Part European Journal of appli Hot water immersion: Maintaining core body temperature above 38.5°C mitigates muscle fatigue. Scandinavian journal of n			INO					No		
hroeder, Helena Trevis		riot water immersion: Maintaining core body temperature above 38.5°C mitigates muscle ratigue. Scandinavian journal of in Resolution of Inflammation in Chronic Disease via Restoration of the Heat Shock Response (HSR Cell stress & chaperones		Yes						INO		
nroeder, Heiena Trevis uilla, Luc; Amedro, Pa		Children With Cardiac Disease and Heat Exposure: Catastrophic Converging Consequences? Pediatric exercise science		Yes								
an, Feiyan; Wang, Hua		Bromine Substitution Improves the Photothermal Performance of π -Conjugated Phototheranostic Chemistry (Weinheim an		Yes								

Included by TS Inc					Journal	Decision Include or exclude?	Reason(s) for	inclusion/exclu	usion		Full text available?	Healthy male or female adults ≥18 years of age?	≥30-mins of at least moderate-intensity exercise in <25°C with	**Physiology during exercise	trial, time to exhaustion, race per = RPE, heart rate, sweat rate, cor	rformance, VO2max, economy/efficiency, or lactate threshold. the temp, and thermal comfort during exercise.
	Included by MJ	Author	Year	Title			Irrelevant or	Controlled trial design?	English	Peer-reviewed journal?				A control group completing the same daily exercise but without post-exercise	Outcomes measuring endurance exercise performance/capacity * or physiology during exercise**?	
\checkmark		G. S. Scoon; W. G. Hopkins; S.		Effect of post-exercise sauna bathing on the endurance performance of		Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<u>✓</u>	<u> </u>	J. Vaile; S. Halson; N. Gill; B. I J. Vaile; S. Halson; N. Gill; B. I		Effect of hydrotherapy on recovery from fatigue Effect of hydrotherapy on the signs and symptoms of delayed onset mus	Int J Sports Med Eur J Appl Physiol	Include Exclude	-	Yes	Yes	Yes Yes	Yes	Yes	Yes No	Yes	Yes Yes	Should NOT include. Only one exercise bout followed by 72 hour
		M. J. Zurawlew; N. P. Walsh; N	1 2016	Post-exercise hot water immersion induces heat acclimation and improv			_	V	V	V	V	V	V	V		of recovery modalities.
		M. J. Zurawlew; J. A. Mee; N.					-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
				Post-exercise Hot Water Immersion Elicits Heat Acclimation Adaptation	•	Exclude	-	Yes	Yes	Yes	Yes	Yes	Yes	No		Included because training was maintained or less during the intervention for each of the groups with Pre/Post design. (outcome related to capacity)
Wł	ny did TS exclude	e? M. J. Zurawlew; J. A. Mee; N.	P. 2018	Post-exercise Hot Water Immersion Elicits Heat Acclimation Adaptation	Front Physiol	Exclude	-	Yes	Yes	Yes	Yes	Yes	Yes	No		No non-post exercise hot water immersion control group. The control group is an untrained group who undertake the same post- exercise HWI intervention. No exercise performance or capaity te: (just end of exercise HR, SW, temp)
				Post-exercise Hot Water Immersion Elicits Heat Acclimation Adaptation	Front Physiol	Exclude	-	Yes	Yes	Yes	Yes	Yes	Yes	No		I included because of the pre-post design with each person serving their own control and if anything training was reduced "As endurance training can induce partial heat acclimation, participants were instructed to reduce their regular training by the duration completed in the laboratory" (outcomes related to capacity)
Wi	ny did TS exclude	e? M. J. Zurawlew; J. A. Mee; N.	P. 2019	Post-exercise Hot Water Immersion Elicits Heat Acclimation Adaptation	-	Exclude	-	No	Yes	Yes	Yes	Yes	Yes	No		No non post exercise HWI control group. No performance/capacit outcome, only HR, SW, core temp and RPE during exercise
~		C. J. Stevens; M. L. R. Ross; A		Postexercise Hot-Water Immersion Does Not Further Enhance Heat Ada			-	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Daily training was in the heat (not cool) ambient conditions.
~		C. Lundby; I. S. Svendsen; T. U	Jri 2021	Training wearing thermal clothing and training in hot ambient condition	J Sci Med Sport	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes		3 groups: cycling in the heat, cycling in thermal clothing, and cycling in thermal clothing plus post-ex heat exposure.
V		I. Bartolomé; J. Siquier-Coll; M	1. 2021	3-Week passive acclimation to extreme environmental heat (100 \pm 3 °C).	J Therm Biol	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes		3 sauna sessions per week (approx every 2nd day) for 3-weeks. Athletes trained every day but we don't know how much and when (before or after saunsa).
		I. Pokora; E. Sadowska-Krępa;	Ł. 2021	The Effect of Medium-Term Sauna-Based Heat Acclimation (MPHA) o	Int J Environ Res Pu	b Exclude	-	Yes	Yes	Yes	Yes	Yes	Yes	No		Yes, no non-sauna control group only a pre and post test design. I guess that does not qualify for the inclusion (unless it was crossed over?)
Wł	ny did TS exclude	s? I. Pokora; E. Sadowska-Krepa;	Ł. 2021	The Effect of Medium-Term Sauna-Based Heat Acclimation (MPHA) o	Int J Environ Res Pu	b Exclude	-	No	Yes	Yes	Yes	Yes	Yes	No		No non-sauna control group. Athletes trained as normal during the 10-day sauna intervention. Sauna baths took place in the afternoor after daily training sessions but we don't know how long after (it is likely it was variable since the authors wanted to 'standardize the duration of sauna exposure rather than the duration of heat stress (internal temperature > 3.8.5 °C) to minimize the potential impact the athletes' daily life-training schedule. By the end of the procedures"
~		M. Sabapathy; F. Tan; S. Al Hu	ss 2021	Effect of heat pre-conditioning on recovery following exercise-induced	Curr Res Physiol	Exclude	-	Yes	Yes	Yes	Yes	Yes	No	Yes		three consecutive days of hot water immersion but it is unclear whether the active subjects did exercise each day
Wh	y did ML exclude	? M. Sabapathy; F. Tan; S. Al Hu	ss 2021	Effect of heat pre-conditioning on recovery following exercise-induced	Curr Res Physiol	Exclude	-	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	HWI and exercise were on seperate days. Does not seem that the subjects completed any exercise on HWI days.
$\overline{}$	V	N. V. Kirby; S. J. E. Lucas; O. J.	J 2021	Intermittent post-exercise sauna bathing improves markers of exercise c	Eur J Appl Physiol	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	post-exercise sauna bathing 3 ± 1 times per week
Z		N. V. Kirby; S. J. E. Lucas; T. C	G. 2021	Sex differences in adaptation to intermittent post-exercise sauna bathing	Sports Med Open	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes		post-exercise sauna bathing 3 ± 1 times per week (IT IS POSSIBL THAT THIS IS THE EXACT SAME SUBJECTS AS Kirby et al 2021 Eur J Appl Physiol
\checkmark		R. D. McIntyre; M. J. Zurawley	w; 2021	A comparison of heat acclimation by post-exercise hot water immersion.	J Sci Med Sport	Include	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes		The thermoneutral group exercised 60 minutes versus 40 minutes the HWI group.
~		C. P. Philp; N. W. Pitchford; J.	W 2022	Hot water immersion; potential to improve intermittent running perform	PLoS One	Exclude	-	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	I agree to exclude but this paper is worth discussing briefly in our manuscript.
Wh		e? C. P. Philp; N. W. Pitchford; J.		Hot water immersion; potential to improve intermittent running perform	PLoS One	Exclude	-	Yes	Yes	Yes	Yes	Yes	No	Yes		HWI was not on consecutive days. 2 x week for three weeks and week for three weeks (M/W/F?), but probably not on consecutive days. Also - are skill training sessions really exercise???
		E. Lee; I. Kolunsarka; J. Koster		Effects of regular sauna bathing in conjunction with exercise on cardiov			-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
		? E. Lee; I. Kolunsarka; J. Koster		Effects of regular sauna bathing in conjunction with exercise on cardiov.				Yes	Yes	Yes	Yes	No	Yes	Yes		Subjects were not healthy, they had at least one traditional cardiovascular disease (CVD) risk factor. Also, VO2max was not measured but estimated via extrapolation during a submaximal tes
\checkmark		R. D. McIntyre; M. J. Zurawley		A comparison of medium-term heat acclimation by post-exercise hot we			-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	y did ML exclude	R. D. McIntyre; M. J. Zurawlev		A comparison of medium-term heat acclimation by post-exercise hot we	, ,		-	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	
\checkmark		D. Sitkowski; T. Cison; Z. Szyg		Hematological Adaptations to Post-Exercise Sauna Bathing with No Flu			-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Wh	y did ML exclude	? D. Sitkowski; T. Cison; Z. Szyg	gul 2022	Hematological Adaptations to Post-Exercise Sauna Bathing with No Flu	Research quarterly for	or Exclude	-	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Post-exercise sauna not on consecutive days

Suppleme	ental File 4d - Characteristics of excluded	studies - Final agreed list	of incl	uded studies.	Number included =	10								
		Author		ar Title	Journal	Decision Include or exclude?	Reason(s) for inclusion/exclusion				*Performance/capacity = time trial, time to exhaustion, race performance, VO2max, economy/efficiency, or lactate threshold. **Physiology during exercise = RPE, heart rate, sweat rate, core temp, and thermal comfort during exercise.			
RoB2 Study ID	RoB2 Assessment ID		Year				Controlled trial design?	English language?	Peer-reviewed journal?	Full text available?	Healthy male or female adults ≥18 years of age?	exercise in <25°C with	without post-exercise	Outcomes measuring endurance exercise performance/capacity * or physiology during exercise**?
A	1 - Running time to exhaustion	G. S. Scoon; W. G. Hopkins; S. N	N 2007	Effect of post-exercise sauna bathing on the endurance performance of	J Sci Med Sport	Include	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
В	2 - Cycling sprint & TT performance	J. Vaile; S. Halson; N. Gill; B. D.	a 2008	Effect of hydrotherapy on recovery from fatigue	Int J Sports Med	Include	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
C	3 - Running 5 km TT perfomannce	M. J. Zurawlew; N. P. Walsh; M.	. 2016	Post-exercise hot water immersion induces heat acclimation and impro-	Scand J Med Sci Spo	Include	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
D	4 - Running 10 km TT performance	C. J. Stevens; M. L. R. Ross; A.	J 2020	Postexercise Hot-Water Immersion Does Not Further Enhance Heat Ad	Int J Sports Physiol F	Include	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
G	7 - Cycling TT performance	C. Lundby; I. S. Svendsen; T. Ur	ri 2021	Training wearing thermal clothing and training in hot ambient condition	n J Sci Med Sport	Include	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
H	8 - Running time to exhaustion during VO2max test	I. Bartolomé; J. Siquier-Coll; M.	2021	3-Week passive acclimation to extreme environmental heat (100± 3 °C	J Therm Biol	Include	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
J	10 - Running time to exhaustion during VO2max test	N. V. Kirby; S. J. E. Lucas; O. J.	. 2021	Intermittent post-exercise sauna bathing improves markers of exercise	Eur J Appl Physiol	Include	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
K	11 - Running time to exhaustion during VO2max test	N. V. Kirby; S. J. E. Lucas; T. G.	. 2021a	Sex differences in adaptation to intermittent post-exercise sauna bathin	Sports Med Open	Include	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
L	12 - Running time to exhaustion	R. D. McIntyre; M. J. Zurawlew	; 2021	A comparison of heat acclimation by post-exercise hot water immersion	J Sci Med Sport	Include	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
M	13 - Running time to exhaustion	R. D. McIntyre; M. J. Zurawlew	; 2022	A comparison of medium-term heat acclimation by post-exercise hot w	a Am J Physiol Regul	Include	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes