

Supplementary Material

TABLE 1 Repeated measures ANOVA among different jaw's positioning.

Source of variation	SS	df	MS	F	<i>p-value</i>
Between groups	953.851	2	476.925	2.354	0.106
Within groups (quadratic)	923.602	1	923.602	5.037	0.034
Error	9725.175	48	202.608		

Abbreviations: SS, Sum of Squares; df, degrees of freedom; MS, Mean Square.

TABLE 2 Kruskal-Wallis H test of SEMG variables for chewing type in each jaw position.

Variable		H	Asymptotic Sig.
RMS	R masseter RP	0.294	0.863
	R temporal RP	0.405	0.817
	L masseter RP	1.497	0.473
	L temporal RP	0.847	0.655
	R masseter MIP	1.392	0.499
	R temporal MIP	1.151	0.562
	L masseter MIP	0.739	0.691
	L temporal MIP	0.309	0.857
	R masseter OVD	1.308	0.520
	R temporal OVD	1.039	0.595
	L masseter OVD	6.969	0.031
	L temporal OVD	1.933	0.380
% RMS	R masseter RP	0.513	0.774
	R temporal RP	0.082	0.960
	L masseter RP	2.327	0.312
	L temporal RP	1.506	0.471
	R masseter MIP	0.113	0.945
	R temporal MIP	0.523	0.770
	L masseter MIP	2.905	0.234
	L temporal MIP	1.000	0.606
	R masseter OVD	0.911	0.634
	R temporal OVD	0.000	1.000
	L masseter OVD	7.544	0.023
	L temporal OVD	0.753	0.686
MVC	R masseter RP	0.723	0.697
	R temporal RP	0.214	0.899

Variable		H	Asymptotic Sig.
	L masseter RP	1.483	0.476
	L temporal RP	0.633	0.729
	R masseter MIP	0.205	0.903
	R temporal MIP	0.621	0.733
	L masseter MIP	0.723	0.697
	L temporal MIP	1.359	0.507
	R masseter OVD	0.726	0.695
	R temporal OVD	0.365	0.833
	L masseter OVD	5.042	0.080
	L temporal OVD	1.473	0.479
% MVC	R masseter RP	0.545	0.761
	R temporal RP	1.342	0.511
	L masseter RP	2.097	0.350
	L temporal RP	0.697	0.706
	R masseter MIP	0.260	0.878
	R temporal MIP	0.755	0.686
	L masseter MIP	2.989	0.224
	L temporal MIP	1.628	0.443
	R masseter OVD	0.505	0.777
	R temporal OVD	0.204	0.903
	L masseter OVD	6.410	0.041
	L temporal OVD	0.496	0.781

Abbreviations: RMS, muscle fiber recruitment; R, right; RP, rest position; L, left; MIP, maximal intercuspation position; OVD, vertical dimension position; MVC, maximum voluntary contraction.