

Supplementary Table 3. Correlations between Chamberlain distance and parameters in BI groups

Variable	Functional muscle		Muscle size	
	r	p-value	r	p-value
Right				
Trap	-0.111	0.332	0.016	0.888
SpCap	-0.104	0.361	0.056	0.623
SpC	-0.092	0.43	-0.04	0.73
SSCap	-0.214	0.058	0.057	0.615
SSC	-0.131	0.283	0.088	0.472
MS	-0.132	0.264	-0.04	0.735
LS	0.068	0.556	-0.04	0.728
SCM	-0.009	0.94	0.009	0.935
LCap & LC	-0.053	0.642	0.043	0.702
PDLM	-0.086	0.449	0.045	0.691
Left				
Trap	-0.003	0.981	0.066	0.561
SpCap	-0.066	0.563	0.186	0.099
SpC	-0.065	0.579	0.075	0.525
SSCap	-0.215	0.057	0.117	0.304
SSC	-0.04	0.746	0.145	0.235
MS	-0.087	0.459	0.124	0.294
LS	-0.173	0.13	0.051	0.657
SCM	-0.126	0.267	0.044	0.701
LCap & LC	-0.022	0.846	0.038	0.74
PDLM	-0.052	0.644	0.208	0.064

BI, basilar invagination; r, Pearson correlation; Trap, trapezius; Sp-Cap, splenius capitis; SpC, splenius cervicis; SSCap, semispinalis capitis; SSC, semispinalis cervicis; MS, multifidus; LS, levator scapulae; SCM, sternocleidomastoid; LCap & LC, longus capitis and Longus colli; PDLM, posterior deep layer muscles.