

Suppl. Table S1. Differences of diaphragm ultrasound imaging between the ALS and SMA subcohorts.

Parameter	Outcome	ALS (n=40)	SMA (n=23)	P-value [§]	Multiple logistic regression analysis [#]	
					Adjusted correlation coefficient (95%CI)	P-value
Diaphragm thickness insp. right	Path. (<2mm) [n/%]	7/40 (18%)	2/23 (9%)	.467	.647 (0.040-10.362)	.758
Diaphragm thickness insp. left	Path. (<2mm) [n/%]	3/40 (8%)	1/22 (5%)	1.000	8.107 (0.088-744.034)	.364
Diaphragm thickening ratio right	Path. (≤1.5) [n/%]	36/40 (90%)	18/23 (78%)	.267	1.898 (0.125-28.771)	.644
Diaphragm thickening ratio left	Path. (≤1.5) [n/%]	36/40 (90%)	17/22 (77%)	.259	16.488 (0.844-322.181)	.065
Diaphragm thickening fraction right	Path. (<20%) [n/%]	25/40 (63%)	6/23 (26%)	.008	3.986 (0.579-27.447)	.160
Diaphragm thickening fraction left	Path. (<20%) [n/%]	19/40 (48%)	5/22 (23%)	.064	3.352 (0.453-24.810)	.236
Diaphragm excursion right	Path. (<10mm) [n/%]	25/40 (63%)	7/23 (30%)	.019	4.481 (0.659-30.449)	.125
Diaphragm excursion left	Path. (<10mm) [n/%]	19/39 (54%)	7/22 (32%)	.282	2.656 (0.399-17.681)	.312

Depicted are number of patients with normal and pathological findings in ultrasound diaphragm measures in regard to normative values according to [1–5]. [§] *p* values are from Fisher's exact test. [#] Binary logistic regression analyses were performed to adjust for the candidate covariates sex, age and BMI. The reported regression coefficients (ExpB with 95% confidence interval) >0 indicates the magnitude of influence of disease entity on diaphragm parameters after adjusting for candidate covariates sex, age and BMI and standardization. ALS, Amyotrophic lateral sclerosis; SMA, spinal muscular atrophy; BMI, Body mass index.

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