

**Table S1:** Overview of intraclass correlation coefficient (ICC) for segmentation techniques with varying fat fractions (FF) in neuromuscular patients. MSB = manual segmentation-based analysis, VBT = volume-based tractography.

		FF < 0.1	FF 0.1 – 0.3	FF > 0.3
<b>MSB</b>	FA	0.993	0.993	0.995
	MD	0.991	0.993	0.993
	$\lambda_1$	0.984	0.994	0.992
	RD	0.992	0.991	0.994
<b>VBT</b>	FA	0.991	0.993	0.991
	MD	0.975	0.983	0.994
	$\lambda_1$	0.973	0.979	0.990
	RD	0.979	0.985	0.994