

Ultrasound strain imaging to assess the biceps brachii muscle in chronic poststroke spasticity

Response to Letter to the Editor

Jing Gao, MD^{1,2} and Jonathan M. Rubin, MD, PhD³

¹ Rocky Vista University, Ivins, Utah, USA

² Weill Cornell Medicine, Cornell University, New York, New York, USA

³ University of Michigan, Ann Arbor, Michigan, USA

Corresponding Authors:

Jing Gao, MD

Rocky Vista University

255 East Center Street

Ivins, Utah 84738

USA

Tel: 435-222-1291

Email: jgao@rvu.edu

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To the Editor:

We sincerely appreciate Dr. Sabour for pointing out that intraclass correlation analysis should have been used to test intra-observer agreement in our article. We have, therefore, re-assessed intra-observer agreement in our data using intraclass correlation (Table 1). Intraclass correlation coefficient was determined with the statistical package SPSS Version 24.0 (SPSS, Armonk, NY, USA). The intraclass correlation coefficient between two measurements performed by a single observer was 0.92 ($p < 0.001$). Based on these results, we suggest that ultrasound strain imaging is feasible for quantifying biceps brachii muscle mechanical properties with good repeatability. We hope this response has improved the original article.

Reference

Gao J, Chen J, O'Dell M, Li PC, He W, Du LJ, et al. Ultrasound strain imaging to assess the biceps brachii muscle in chronic poststroke spasticity. *J Ultrasound Med*. 2018. DOI: 10.1002/jum.14558

Table 1. Intraclass correlation coefficient of intra-observer agreement

	Intraclass Correlation ^b	95% Confidence Interval		F Test with True Value 0			
		Lower Bound	Upper bound	Value	df1	df2	Sig
Single Measures	.850 ^a	.764	.906	12.305	63	63	.000
Average Measures	.919 ^c	.866	.951	12.305	63	63	.000