

Isometric Chair: Inter-examiner reliability of maximum torque

Random effects					Fixed effects		
	Variance estimate	Explanation	p value	CV		Offset	p value
Technician*	57.32	Describes variability of measures on the same person in the same session, when measured by different techs	0.1933	7.99	Intercept	94.75	0.0001
Participant	1659.05	Describes variability of measures on different participants in the same session, when measured by the same tech	<.0001	42.99	Site (Offset for Memphis)	-5.49	0.6784
Session	379.75	Describes biological variability of the true value over time within the same person	<.0001	20.57	Gender (Offset for male)	58.59	0.0001
Residual	76.22	Describes variability of measures on the same person in the same session, when measured by the same tech.	<.0001	9.21	Testday (Offset for repeat on same day)	-13.00	0.3564
Session + residual	455.97	Describes variability of measures over time on the same person, when measured by the same tech.		22.54	Rep (Offset for rep 2 relative to rep 3)	-1.43	0.1702

Residual + tech + session	532.18	Describes variability of measures taken on same participant at different times by different tech	24.35
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Overall	2172.33		49.19
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*Note: No individual technician had an effect that was significantly different from zero.

ICC for measurements on the same participant at different times and different techs: 0.764

ICC for measurements on the same participant at different times, same tech: 0.790