Supplementary material to article by C. Widehammar et al. "Effect of multi-grip myoelectric prosthetic hands on daily activities, pain-related disability and prosthesis use compared with single-grip myoelectric prostheses: A single-case study"

Table SI. Unadjusted coefficients, 95% confidence intervals (95% CI) and *p*-values using multilevel linear regression models for Canadian Occupational Performance Measure (COPM), Pain Disability Index (PDI), Assessment of Capacity for Myoelectric Control (ACMC) and modified Southampton Hand Assessment Procedure (SHAP) scores

Dat	*->	COPM Performance Coefficient (95% CI)	COPM Satisfaction Coefficient (95% CI)	PDI Coefficient (95% CI)	PDI (<i>n</i> = 5)* Coefficient (95% CI)	ACMC Coefficient (95% CI)	Modified SHAP Light objects, sec Coefficient (95% CI)	Modified SHAP Heavy objects, sec Coefficient (95% CI)
coll	Data collection time-point							
Phase A Bas Phase B 2 d		Reference No data collected	Reference No data collected	Reference No data collected	Reference No data collected	Reference -18.9 (-25.1to-12.7) <i>p</i> < 0.001	Reference 26.3 (8.2to44.3) <i>p</i> =0.004	Reference 28.3 (12.5to44.1)
2 w	weeks	No data collected	No data collected	No data ollected	No data collected	-12.9 (-19.0to-6.8) p<0.001	7.7 (2.7to12.6) p=0.002	<i>p</i> < 0.001 8.7 (-1.5to 18.8) <i>p</i> = 0.094
1 m	nonth	3.0 (2.1to3.8) p<0.001	3.8 (2.7to4.9) p<0.001	-2.0 (-9.9to5.9) p=0.620	-4.6 (-18.2to9.0) p=0.507	-4.6 (-9.0to-0.1) p=0.045	9.3 (2.8to15.8) p=0.005	12.1 (-3.3to27.4) p=0.123
2 m	months	3.5 (2.9to4.0) p<0.001	4.5 (3.6to5.4) p<0.001	-4.0 (-10.8to2.8) p=0.249	-7.2 (-18.6to4.2) p=0.216	-5.3 (-10.0to-0.7) p=0.025	5.0 (0.4to9.6) p=0.035	1.0 (-8.7 to 10.8) p = 0.833
3 m	months	3.9 (3.3to4.6) p<0.001	4.9 (4.1to5.6) p<0.001	-9.0 (-16.2to-1.7) p=0.015	-14.4 (-23.1to-5.7) p=0.001	-1.8 (-6.5to2.8) p=0.441	2.3 (-2.3to6.9) p=0.333	3.4 (-6.3to13.1) p=0.496
6 m	months	4.3 (3.7to4.9) p<0.001	4.8 (3.9to5.7) p<0.001	-7.7 (-14.0to-1.3) p=0.018	-13.8 (-21.9to-5.7) p=0.001	-2.5 (-7.5to2.5) p=0.334	6.5 (-5.2to18.2) p=0.275	-3.6 (-13.3to6.1) p=0.466

*Includes only the 5 participants who reported pain-related disability in the Pain Disability Index at the baseline measurements. 95% CI: 95% confidence interval. The coefficients indicate difference of the outcome value at a given time-point compared with baseline.

JRM

Supplementary material to article by C. Widehammar et al. "Effect of multi-grip myoelectric prosthetic hands on daily activities, pain-related disability and prosthesis use compared with single-grip myoelectric prostheses: A single-case study"

Table SII. Adjusted coefficients, 95% confidence intervals and *p*-values using multilevel linear regression models for Canadian Occupational Performance Measure (COPM), Pain Disability Index (PDI), Assessment of Capacity for Myoelectric Control (ACMC) and modified Southampton Hand Assessment Procedure (SHAP) scores, excluding 2 individuals with bilateral upper and bilateral lower limb amputations

	Data collection time-point	COPM Performance	COPM Satisfaction	PDI	PDI (<i>n</i> =5)*	ACMC	Modified SHAP Light objects, sec	Modified SHAP Heavy objects, sec
		Coefficient (95% CI)	Coefficient (95% CI)	Coefficient (95% CI)				
Phase A Phase B	Baseline 2 days	Reference No data collected	Reference No data collected	Reference No data collected	Reference No data collected	Reference -21.1 (-28.5to-13.7) <i>p</i> < 0.001	Reference 25.5 (1.6to49.4) <i>p</i> = 0.037	Reference 26.8 (6.7to46.9) p=0.009
	2 weeks	No data collected	No data collected	No data collected	No data collected	-16.7 (-23.8to-9.5) p<0.001	8.8 (3.0to14.6) p=0.003	3.0 (-8.0to14.1) p=0.594
	1 month	2.9 (2.2to3.5) p<0.001	3.9 (3.1to4.6) p<0.001	-1.4 (-11.4to8.6) p=0.779	-3.8 (-20.8to13.3) p=0.667	-4.5 (-10.1to1.2) p=0.120	9.1 (3.0to15.1) p=0.003	9.7 (-10.2 to 29.6) p=0.340
	2 months	3.2 (2.6to3.9) p<0.001	4.2 (3.3to5.1) p<0.001	-4.0 (-12.6to4.6) p=0.362	-7.0 (-21.4to7.4) p=0.342	-5.2 (-11.9to1.6) p=0.132	6.7 (1.4to12.0) p=0.012	-1.2(-11.5to9.2) p=0.824
	3 months	3.5 (2.9to4.1) p<0.001	4.4 (3.9to5.0) p<0.001	-9.3 (-18.3to-0.4) p=0.041	-14.0 (-25.0to-3.0) p=0.013	-1.5 (-7.5to4.5) p=0.622	3.8 (-1.4to9.1) p=0.154	-4.9(-15.2to5.5) p=0.357
	6 months	3.9 (3.3to4.6) p<0.001	4.5 (3.7to5.3) p<0.001	-7.6 (-15.1to-0.1) p=0.048	-13.3 (-23.5to-3.0) p=0.011	-2.6 (-8.4to3.1) p=0.374	7.3 (-5.5to20.1) p=0.264	-7.6(-17.4to2.3) p=0.131

*Includes only the 5 participants who reported pain-related disability in the Pain Disability Index at the baseline measurements. 95% CI: 95% confidence interval. The estimates are adjusted for years of use and age (as continuous variables) and sex. The coefficients indicate difference of the outcome value at a given timepoint compared with baseline.

JRM