

Myoelectric vs Myoelectric Upper Extremity Prostheses Study Summaries

The summaries are organized in three levels depending on the detail of information. The overview table (Level 1) lists all the relevant publications dealing with a particular product (topic) as well as researched categories (e.g. level walking, safety, activities, etc.). The Level 2 summaries list all relevant information on the device concerning a specific category (e.g. level walking, safety, activities, etc.).

For those interested in learning more about individual studies, the summaries (Level 3) provide a concise synthesis of the respective references.

Reference		Category								Prosthesis
		Body Functions		Activity			Participation	Others		
Author	Year	Mechanics	Pain	Grip patterns Force	Manual dexterity	ADL	Satisfaction QoL	Training	Technical aspects	
<u>Touillet</u>	2023				x		x			Axon-Hook vs Greifer
<u>Kannenberg</u>	2022					x				Bebionic, iLimb
<u>Salminger</u>	2019				x		x			SensorHand Speed, Michelangelo, Transcarpal Hand DMC Plus, bebionic hand
<u>Wismer</u>	2017			x	x	x	x		x	Axon Hook
<u>Major</u>	2014	x								Myoelectric prostheses
<u>Bertels</u>	2012	x								MovoShoulder Swing with DynamicArm and System Electric Hand vs no prosthesis
<u>van der Niet</u>	2010			x		x	x			DMC plus hand vs iLIMB
<u>Bertels</u>	2009	x								Transcarpal-Hand with and without Transcarpal Myowrist
<u>Lotze</u>	1999		x				x			Myoelectric, passive prosthesis
Total number: 9		3	1	2	3	3	5	0	1	