

Myoelectric vs Myoelectric Upper Extremity Prostheses

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. pain, grip pattern, activities, etc). The Level 2 summaries list all relevant information on the device concerning a specific category (e.g. pain, grip pattern, activities, etc.).

For those interested to learn more about individual studies, the Level 3 summaries give a compact and concise summary of the relevant reference

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