

Myoelectric vs Body-Powered 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		Participa- tion	Others			
Author	Year	Mechanics	Pain	Grip patterns Force	Manual dexterity	ADL	Satisfaction QoL	Training	Technical aspects	
Engdahl	2020						x			myoelectric, body-powered prostheses
Johansen	2016						x			myoelectric, body-powered, passive prostheses
Carey	2015		x			x	x	x	x	myoelectric, body-powered prostheses
Razak	2014						x			biomechatronics wrist prosthe- sis, body-powered prosthesis
Ostlie	2012					x	x			myoelectric, body-powered, passive prostheses
Kooijmana	2000		x							myoelectric, body-powered, passive prostheses
Millstein	1986					x	x			myoelectric, body-powered prostheses
Stain	1983				x	x				myoelectric (Ottobock 6V), body-powered prosthesis
Northmore- Ball	1980					x	x			myoelectric, body-powered prostheses

Total Number: 9	0	2	0	1	5	7	1	1	
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