

# 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. level walking, safety, activities, etc.). Summaries of all the literature dealing with a specific topic can be found in the document(s) above the overview table (Level 2).

For those interested to learn more about individual studies, a summary of the study can be obtained by clicking on the relevant author/reference (Level 3).

The studies presented in the table below are summarized here (Level 2):

[Compensatory movements when using myoelectric prostheses](#)

[Phantom and residual limb pain](#)

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

