

Upper limb extremity prostheses for children

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 reference (Level 3).

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

[When to fit a child with a prosthesis?](#)

[From which age is fitting with an active \(myoelectric\) device useful?](#)

[Why to fit a child with a \(myoelectric\) prosthesis?](#)

[Compliance - Do children use the prostheses?](#)

[Does a prosthesis influence development of any physical/ psychological complications later in life?](#)

[Training for children with myoelectric prosthesis – when and how?](#)

[Psychosocial adjustment and health related quality of life in children with upper limb congenital deficiency](#)

Reference		Category								Prosthesis
		Body Functions		Activity			Participation	Others		
Author	Year	Mechanics	Pain	Grip patterns Force	Manual dexterity	ADL	Satisfaction QoL	Training	Technical aspects	
<u>Michielsen</u>	2010					x	x			Passive and active prostheses
<u>Huizing</u>	2010				x	x	x			Myoelectric, body-powered, cosmetic
<u>Egermann</u>	2009					x	x		x	Elektrohand 2000 vs previous prosthesis or no prostheses
<u>Meurs</u>	2006					x	x			Passive and active prostheses
<u>Hermanson</u>	2005						x			Children with myoelectric prosthesis vs. healthy controls
<u>Crandall</u>	2002					x	x			Myoelectric, body-powered, cosmetic
Total number: 6		0	0	0	1	5	6	0	1	