

Upper Extremity Prostheses for Children 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>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>Hermansson</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 | |