

C-Leg vs Non-microprocessor Controlled Knees 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 to learn more about individual studies, the Level 3 summaries give a compact and concise summary of the relevant reference

Reference		Category									
		Functions and Activities								Participation	Environment
Author	Year	<u>Level Walking</u>	<u>Stairs</u>	<u>Ramps, Hills</u>	<u>Uneven ground, Obstacles</u>	<u>Cognitive demand</u>	<u>Metabolic Energy Consumption</u>	<u>Safety</u>	<u>Activity, Mobility, ADL</u>	<u>Preference, Satisfaction, QoL</u>	<u>Health economics</u>
<u>King</u>	2024				x						
<u>Kuhlmann</u>	2020										x
<u>Lansade</u>	2020							x	x	x	
<u>Ramstrand</u>	2020	x			x	x					
<u>Hahn*</u>	2020							x	x	x	x
<u>Möller</u>	2018	x				x					
<u>Liu</u>	2017	x			x			x		x	x
<u>Cutti</u>	2016									x	x
<u>Wong</u>	2015							x		x	
<u>Hahn</u>	2015	x				x	x	x	x		
<u>Kannenbergt</u>	2014	x	x	x	x	x		x	x	x	
<u>Highsmith</u>	2014							x			
<u>Tofts‡</u>	2014	x				x			x	x	
<u>Eberly</u>	2013	x									
<u>Highsmith</u>	2013			x							

<u>William</u>	2013									x	
<u>Barr†</u>	2012	x									
<u>Burnfield</u>	2012			x				x		x	
<u>Kaufman</u>	2012	x									
<u>Meier</u>	2012				x						
<u>Schaar-schmidt</u>	2012	x									
<u>Samuelsson*</u>	2012							x	x	x	x
<u>Theeven</u>	2012								x	x	
<u>Wong*</u>	2012						x				
<u>Wong†</u>	2012		x					x	x		
<u>Highsmith</u>	2011								x		
<u>Theeven</u>	2011								x	x	
<u>Highsmith*</u>	2010						x	x			x
<u>Maaref</u>	2010	x									
<u>Petersen</u>	2010	x									
<u>Theeven</u>	2010								x		
<u>Berry</u>	2009									x	
<u>Blumentritt</u>	2009							x			
<u>Gerzeli</u>	2009										x
<u>Hafner</u>	2009		x	x	x	x		x	x	x	
<u>Seelen</u>	2009										x
<u>Brodtkorb</u>	2008										x
<u>Drerup</u>	2008							x	x	x	
<u>Kahle</u>	2008	x	x		x			x	x	x	
<u>Kaufman</u>	2008						x			x	

<u>Bunce</u>	2007									x	
<u>Hafner</u>	2007	x	x	x	x	x		x	x	x	
<u>Kaufman</u>	2007	x						x			
<u>Schmalz</u>	2007		x								
<u>Seymour</u>	2007				x		x			x	
<u>Klute</u>	2006								x		
<u>Orendurff</u>	2006	x					x			x	
<u>Segal</u>	2006	x									
<u>Williams</u>	2006					x					
<u>Johansson</u>	2005	x					x				
<u>Swanson</u>	2005									x	
<u>Wetz</u>	2005	x							x		
<u>Perry†</u>	2004	x					x				
<u>Schmalz</u>	2002						x				
<u>Schmalz</u>	2002		x							x	
Total number: 55		20	7	5	9	8	9	17	17	23	9

* Review article

‡ Case study