

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 in learning more about individual studies, the summaries (Level 3) provide a concise synthesis of the respective references.

Reference		Category									
		Functions and Activities								Participation	Environment
Author	Year	Level Walking	Stairs	Ramps, Hills	Uneven ground, Obstacles	Cognitive demand	Metabolic Energy Consumption	Safety	Activity, Mobility, ADL	Preference, Satisfaction, QoL	Health economics
[59]	Kuhlmann, Bosman, Brüggjenjürgen¹	2025, 2026								x	x
[58]	Bosman	2025	x						x	x	
[57]	Cutti	2024								x	
[56]	King	2024			x						
[55]	Kuhlmann	2020									x
[54]	Lansade	2020						x	x	x	
[53]	Ramstrand	2020	x		x	x					
[52]	Hahn*	2020						x	x	x	x
[51]	Möller	2019	x			x					
[50]	Cutti	2018	x								
[49]	Liu	2017	x		x			x		x	x
[48]	Cutti	2016								x	x

[47]	<u>Wong</u>	2015							x		x	
[46]	<u>Hahn</u>	2015	x					x	x	x		
[45]	<u>Kannenberg*</u>	2014	x	x	x	x			x	x	x	
[44]	<u>Highsmith</u>	2014							x			
[43]	<u>Tofts^s</u>	2014	x					x		x	x	
[42]	<u>Eberly</u>	2013	x									
[41]	<u>Highsmith</u>	2013			x							
[40]	<u>William</u>	2013									x	
[39]	<u>Bari^s</u>	2012	x									
[38]	<u>Burnfield</u>	2012			x				x		x	
[37]	<u>Kaufman</u>	2012	x									
[36]	<u>Meier</u>	2012				x						
[35]	<u>Schaarschmidt</u>	2012	x									
[34]	<u>Samuelsson*</u>	2012							x	x	x	x
[33]	<u>Theeven</u>	2012								x	x	
[32]	<u>Wong*</u>	2012						x				
[31]	<u>Wong^s</u>	2012		x					x	x		
[30]	<u>Highsmith</u>	2011								x		
[29]	<u>Theeven</u>	2011								x	x	
[28]	<u>Highsmith*</u>	2010						x	x			x
[27]	<u>Maaref</u>	2010	x									
[26]	<u>Petersen</u>	2010	x									

[25]	<u>Theeven</u>	2010								x		
[24]	<u>Berry</u>	2009									x	
[23]	<u>Blumentritt</u>	2009							x			
[22]	<u>Gerzeli</u>	2009										x
[21]	<u>Hafner</u>	2009		x	x	x	x		x	x	x	
[20]	<u>Seelen</u>	2009										x
[19]	<u>Brodtkorb</u>	2008										x
[18]	<u>Drerup</u>	2008							x	x	x	
[17]	<u>Kahle</u>	2008	x	x		x			x	x	x	
[16]	<u>Kaufman</u>	2008						x			x	
[15]	<u>Bunce</u>	2007									x	
[14]	<u>Hafner</u>	2007	x	x	x	x	x		x	x	x	
[13]	<u>Kaufman</u>	2007	x						x			
[12]	<u>Schmalz</u>	2007		x								
[11]	<u>Seymour</u>	2007				x		x			x	
[10]	<u>Klute</u>	2006								x		
[9]	<u>Orendurff</u>	2006	x					x			x	
[8]	<u>Segal</u>	2006	x									
[7]	<u>Williams</u>	2006					x					
[6]	<u>Johansson</u>	2005	x					x				
[5]	<u>Swanson</u>	2005									x	
[4]	<u>Wetz</u>	2005	x							x		

[3]	<u>Perry</u> [§]	2004	x					x				
[2]	<u>Schmalz</u>	2002						x				
[1]	<u>Schmalz</u>	2002		x							x	
Total number: 59			22	7	5	9	8	9	17	18	26	10
* Review article § Case study ¹ Combined summary of 2 publications and 1 letter to the editor												