

C-Leg vs Competitors' MPKs 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	Products	Level Walking	Stairs	Ramps, Hills	Uneven ground Obstacles	Cognitive demand	Metabolic Energy Consumption	Safety	Activity, Mobility, ADL	Preference Satisfaction QoL	Health economics
Özcan	2026	C-Leg 3 &4, Genium / X3, Orion, Plié								x		
Herrin	2025	C-Leg 4, Power Knee, Rheo	x	x	x	x		x		x	x	
Campbell	2020	C-Leg, Rheo, Orion, Plié							x	x	x	
Bellmann	2018	C-Leg 4, Rheo Knee XC	x	x	x				x			
Morgenroth	2018	C-Leg			x							
Thiele	2018	C-Leg 4, Rheo Knee 3, Plié 3	x									
Thiele	2014	C-Leg, Orion, Plie 2.0, Rel-K	x									
Wolf	2013	C-Leg, Power Knee								x		
Wolf	2012	C-Leg, Power Knee		x	x							
Highsmith*	2011	C-Leg, Power Knee, Mauch								x		

		SNS										
<u>Blumentritt</u>	2010	C-Leg, Rheo, Adaptive 2		x					x			
<u>Bellmann</u>	2010	C-Leg, Hybrid Knee, Adaptive 2, Rheo	x	x	x			x	x			
<u>Bellmann</u>	2009	C-Leg, Rheo, Adaptive 2, Hybrid Knee	x	x					x			
<u>Chin</u>	2006	C-Leg, Intelligent Prosthesis						x				
<u>Johansson</u> *	2005	C-Leg, Rheo, NMPKs	x					x				
Total number: 15 *C-Leg vs Competitors MPKs and NMPKs			7	6	5	1	0	4	5	5	2	0