

It's No Contest.

The C-Leg® microprocessor controlled knee has been in the market since 1997 in Germany and since 1999 in the United States. In that time, it has become the most-studied prosthetic product and the standard of care for transfemoral amputees. For function, stability, and patient satisfaction, nothing else comes close.

Peer-Reviewed Published Research	Ottobock C-Leg®	Ottobock C-Leg® Compact	Freedom Plie®	Ossur Rheo	Ossur Power Knee
Gait Asymmetry (Kaufman KR, 2012)	✓				
Obstacle Course; Movement Efficiency (Meier MR, 2012)	✓				
Ramp and Level Walking/K2 (Burnfield JM, 2012)		✓			
Perceived Performance & Activity /K2 (Theeven P, 2012)	✓	✓			
Prosthetic Advances - Review (Harvey ZT, 2012)	✓				✓
Activity, Participation, QOL - Review (Samuelsson K, 2012)	✓				
Functional Added Value; Performance (Theeven P, 2011)	✓	✓			
Kinetic Asymmetry: Sit to Stand (Highsmith MJ, 2011)	✓				✓
Swing Phase Kinematics (Maaref K, 2010)	✓				
ACTUAL Functional Performance (Theeven P, 2010)	✓				
Safety, Energy, Cost - Review (Highsmith MJ, 2010)	✓				
Biomechanical Analysis; MPKs (Bellmann M, 2010)	✓			✓	
Function & Safety /K2, K3 (Hafner BJ, 2009)	✓				
Safety of C-Leg; Biomechanical (Blumentritt S, 2009)	✓				
Stability, Function & Satisfaction (Berry D, 2009)	✓				
Decreased Heart Rate; Geriatric (Highsmith MJ, 2009)	✓				
Costs & Consequences (Seelen HAM, 2009)	✓				
Cost Utility Analysis (Gerzeli S, 2009)	✓				
PEQ, Stumbles, Falls, Walking, Stairs (Kahle JT, 2008)	✓				
Cost Effectiveness (Brodkorb TH, 2008)	✓				
Energy Expenditure & Activity (Kaufman KR, 2008)	✓				
Function, Performance and Preference (Hafner BJ, 2007)	✓				
Gait & Balance (Kaufman KR, 2007)	✓				
Stair Ambulation (Schmalz T, 2007)	✓				
Energy; Obstacle Course; QOL (Seymour R, 2007)	✓				
Physical and Psychological Adjustment (Bunce DJ, 2007)	✓				
Orthotic and Prosthetic Prescriptions (Kelly BM, 2007)	✓				
Energy Consumption (Chin T, 2006)	✓				
Kinematic and Kinetic Comparisons of Gait (Segal AD, 2006)	✓				
Effects on Activity (Klute GK, 2006)	✓				
Cognitive Performance; Walking (Williams RM, 2006)	✓				
Gait Efficiency (Orendurff MS, 2006)	✓				
Advancements, Prosthetic Technology (Schaffer HM, 2006)	✓			✓	
Lower Limb Prosthetic Devices: Review (Collins DM, 2006)	✓				
Microprocessor Prosthetic Knees: Review (Berry D, 2006)	✓				
Comparison, Variable Damping (Johansson JL, 2005)	✓	✓		✓	
C-Leg,; Indications (Wertz HH, 2005)	✓				
Energy; Gait, Bilateral Amputee (Perry J, 2004)	✓				
Energy; Biomechanical; Alignment (Schmalz T, 2002)	✓				
Biomechanical Evaluation (Stinus H, 2000)	✓				
Modern Prosthetic Knee Mechanisms (Michael JW, 1999)	✓				✓

1. See the complete list of peer-reviewed, published research at www.ottobockus.com/clinicalstudies.
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