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Bilateral LE	Oxygen consumption of elderly persons with bilateral below knee amputations: ambulation vs wheelchair propulsion	DuBow, L.L. et al.	Arch. Phys. Med. Rehabil. 64, 255-259	1983
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Feet	Physiological measurements of walking and running in people with transtibial amputations with 3 different prostheses	Hsu, M.J. et al.	J Orthop Sports Phys Ther. 1999 Sep;29(9):526-33	1999
Feet	Energy storage and release of prosthetic feet, Part 2: Subjective ratings of 2 energy storing and 2 conventional feet, user choice of foot and deciding factor	Postema, K. et al.	Prosthet. Orthot. Int'l 1997;21(1):28-34	1997
Feet	Mechanical gait analysis of transfemoral amputees: SACH foot versus the flex-foot.	Macfarlane, P.A. et al.	JPO. 1997;9(4):144-51	1997
Feet	Transfemoral Amputee Physiological Requirements: Comparisons Between SACH Foot Walking and Flex-Foot Walking	Macfarlane, P.A. et al.	Journal of Prosthetics and Orthotics, 9, 138-143, 1997	1997
Feet	Bioenergetic comparison of a new energy-storing foot and SACH foot in traumatic below-knee vascular amputations	Casillas, J.M. et al.	Arch Phys Med Rehabil. 1995 Jan;76(1):39-44	1995

Feet	Mechanical Outcomes of a Rolling-Joint Prosthetic Foot and Its Performance in the Dorsiflexion Phase of Transtibial Amputee Gait	Pitkin, M.R.	JPO Journal of Prosthetics & Orthotics . 7(4):114-123, Fall 1995	1995
Feet	The effect of five prosthetic feet on the gait and loading of the sound limb in dysvascular below-knee amputees	Snyder, R.D. et al.	J Rehabil Res Dev. 1995 Nov;32(4):309-15	1995
Feet	Influence of prosthetic foot design on sound limb loading in adults with unilateral below-knee amputations	Powers, C.M. et al.	Arch Phys Med Rehabil. 1994 Jul;75(7):825-9	1994
Feet	Efficiency of dynamic elastic response feet	Perry, J et al.	J. Rehabil. Res. Dev. 1993;30(1):137-43	1993
Feet	Functional evaluation by gait analysis of various ankle-foot assemblies used by below-knee amputees	Mizuno, N. et al.	Prosthet. Orthot. Int'l 1992;16(3):174-82	1992
Feet	Gait Analysis and Energy Cost of Below- Knee Amputees Wearing Six Different Prosthetic Feet	Barth, D. et al.	Journal of Prosthetics and Orthotics, 4, 63-75, 1992	1992
Feet	Gait comparisons for below-knee amputees using a flex-foot versus a conventional prosthetic foot	Macfarlane, P.A. et al.	J Prosthet Orthot. 1991;4:150-61	1991
Feet	Perception of Walking Difficulty by Below-Knee Amputees Using a Conventional Foot Versus the Flex-Foot	Macfarlane, P.A. et al.	Journal of Prosthetics and Orthotics, 3, 114-119, 1991	1991
Feet	Practical Benefits of Flex-FootTM] in Below-Knee Amputees	Alaranta, H. et al.	JPO Journal of Prosthetics & Orthotics . 3(4):179-181, Summer 1991	1991
Feet	Below-knee amputee gait with dynamic elastic response prosthetic feet: A pilot study	Torburn, L. et al.	J. Rehabil. Res. Dev. 1990;27(4):369-84	1990
Feet	Biomechanical evaluation of SACH and uniaxial feet	Goh, J.C. et al.	Prosthet Orthot Int. 1984 Dec;8(3):147-54	1984
Feet	The SACH (solid-ankle cushion-heel) foot	Staros, A.	Ortho Pros Appl J. 1957 June-Aug:23-31	1957
Feet	Energetic consequences of using a prosthesis with adaptive ankle motion during slope walking in persons with a transtibial amputation	Darter, B.J. et al.	Prosthet Orthot Int. 2014 Feb; 38(1): 5–11	2014
Functional Capacity	Gait speed as an indicator of prosthetic walking potential following lower limb amputation	Batten, H.R. et al.	Prosthet Orthot Int. 2019 Apr;43(2):196-203	2019
Functional Capacity	Differences in Physical Performance Measures Among Patients With Unilateral Lower-LimbAmputations Classified as Functional Level K3 Versus K4	Sions, J.M. et al.	Arch Phys Med Rehabil. 2018 Jul;99(7):1333-1341	2018
Functional Capacity	Is There a Difference in Function Outcome, Satisfaction, and Adjustment to Having a Prosthesis in Primary Transtibial Amputations Versus Multiple Previous Reconstructive Procedures	Debaghi, A. et al.	JPO Journal of Prosthetics & Orthotics . 27(2):40-43, April 2015	2015
Functional Capacity	The below-knee amputation: to amputate or palliate?	Brown, B.J. et al.	Advances in wound care 2013;2(1):30-35	2013
Functional Capacity	Feasibility of a new concept for measuring actual functional performance in daily life of transfemoral amputees	Theeven, P.J. et al.	Journal of Rehabiliation Medicine 2010; 42(8):744-51	2010
Functional Capacity	Impairment variables predicting activity limitation in individuals with lower limb amputations	Raya, M. et al.	Prosthet Orthot Int 34(1):73-82, 2010	2010
Functional Capacity	Quality of Life in Patients With Prosthetic Legs: A Comparison Study	Horne, C.E. et al.	JPO Journal of Prosthetics & Orthotics . 21(3):154-159, July 2009	2009

Functional Capacity	Transtibial Amputation: Preoperative Vascular Assessment and Functional Outcome	Ng, E.K. et al.	JPO Journal of Prosthetics & Orthotics . 8(4):123-129, Fall 1996	1996
Gait	Common and specific gait patterns in people with varying anatomical levels of lower limbamputation and different prosthetic components	Varrecchia, T. et al.	Hum Mov Sci. 2019 Mar 16;66:9-21	2019
Gait	Gait termination on declined compared to level surface; contribution of terminating and trailing limb work in arresting centre of mass velocity	Abdulhasan, Z.M. et al.	Med Eng Phys. 2019 Apr;66:75-83	2019
Gait	Factors associated with committed participation in a wellness-walking program for people with lower limb loss: A prospective cohort study	Wong, B.K. et al.	Prosthet Orthot Int. 2019 Apr;43(2):180-187	2019
Gait	Amputee Locomotion: Joint Moment Adaptations to Running Speed Using Running-Specific Prostheses after Unilateral Transtibial Amputation	Baum, B.S. et al.	Am J Phys Med Rehabil. 2019 Mar;98(3):182-190	2019
Gait	Gait differences between K3 and K4 persons with transfemoral amputation across level and non-level walking conditions	Sturk, J.A. et al.	Prosthet Orthot Int. 2018 Dec;42(6):626-635	2018
Gait	A personalised exercise programme for individuals with lower limb amputation reduces falls and improves gait biomechanics: A block randomised controlled trial	Schafer, Z.A. et al.	Gait Posture. 2018 Jun;63:282-289	2018
Gait	Transfemoral amputee intact limb loading and compensatory gait mechanics during down slope ambulation and the effect of prosthetic knee mechanisms	Morgenroth, D.C. et al.	Clin Biomech (Bristol, Avon). 2018 Jun;55:65-72	2018
Gait	Running at submaximal speeds, the role of the intact and prosthetic limbs for trans-tibial amputees	Strike, S.C. et al.	Gait Posture. 2018 May;62:327-332	2018
Gait	Changes in Residual Limb Anthropometrics and Lift, Carry, and Timed Walking Performance in Men with Transtibial Amputation due to Trauma	Dionne, C.P. et al.	Journal of Prosthetics & Orthotics . 29(2):50-53, April 2017	2017
Gait	Correlation of Transtibial Prosthetic Alignment Quality and Step-by Step Variance of Gait	Fiedler, G. et al.	JPO Journal of Prosthetics & Orthotics . 29(1):19-25, January 2017	2017
Gait	Method to Quantify Cadence Variability of Individuals with Lower-Limb Amputation	Arch, E.S. et al.	JPO Journal of Prosthetics & Orthotics . 29(2):73-79, April 2017	2017
Gait	Spinal and Pelvic Kinematics During Gait in People with Lower-Limb Amputation, with and without Low Back Pain: An Exploratory Study	Devan, H. et al.	JPO Journal of Prosthetics & Orthotics . 29(3):121-129, July 2017	2017
Gait	Leg stiffness during sprinting in transfemoral amputees with running-specific prosthesis	Sano, Y. et al.	Gait Posture. 2017 Jul;56:65-67	2017
Gait	The effect of a supervised community-based exercise program on balance, balance confidence, and gait in individuals with lower limb amputation	Miller, CA et al.	Prosthet Orthot Int. 2017 Oct;41(5):446-454	2017

Gait	Effect of foot and ankle immobilization on able-bodied gait as a model to increase understanding about bilateral transtibial amputee gait	Nepomuceno, A. et al.	https://doi.org/10.1177/0309364617698521	2017
Gait	Effect on Stance Phase Timing Asymmetry in Individuals with Amputation Using Hydraulic Ankle Units	Moore, R.	JPO Journal of Prosthetics & Orthotics . 28(1):44-48, January 2016	2016
Gait	Impact of a Four-Session Physical Therapy Program Emphasizing Manual Therapy and Exercise on the Balance and Prosthetic Walking Ability of People with Lower-Limb Amputation	Wong, C.K. et al.	JPO Journal of Prosthetics & Orthotics . 28(3):95-100, July 2016	2016
Gait	Quantifying prosthetic gait deviation using simple outcome measures	Kark, L. et al.	World J Orthop. 2016 Jun 18;7(6):383-91	2016
Gait	Capturing Quality Clinical Videos for Two-Dimensional Motion Analysis	Fatone, S. et al.	JPO Journal of Prosthetics & Orthotics . 27(1):27-32, January 2015	2015
Gait	Impact of Increased Prosthetic Mass on Gait Symmetry in Dysvascular Transfemoral Amputees: A Randomized Prospective Double-Blind Crossover Trial	Moylan, B. et al.	JPO Journal of Prosthetics & Orthotics . 27(2):63-67, April 2015	2015
Gait	Variability and Distribution of Minimum Toe Clearance in Individuals with Unilateral Transtibial Amputation: The Effects of Walking Speed	De Asha, A.R.	JPO Journal of Prosthetics & Orthotics . 27(3):78-83, July 2015	2015
Gait	Individuals with transtibial limb loss use interlimb force asymmetries to maintain multi-directional reactive balance control	Bolger, D. et al.	Clin Biomech (Bristol, Avon)). 2014 Nov;29(9):1039-47.	2014
Gait	Longitudinal changes in transtibial amputee gait characteristics when negotiating a change in surface height during continuous gait	Barnett, C.T. et al.	Clin Biomech 2014;29:787-93	2014
Gait	Mechanisms of gait asymmetry due to push-off deficiency in unilateral amputees	Adamczyk, P.G. et al.	IEEE Trans Neural Syst Rehabil Eng. 2014 Sep 12	2014
Gait	Stepping asymmetry among individuals with unilateral transtibial limb loss might be functional in terms of gait stability	Hak, L. et al.	Phys Ther. 2014 Jun 5	2014
Gait	Symmetrical kinematics does not imply symmetrical kinetics in people with transtibial amputation during rhythmic locomotion	Childers, W.L. et al.	J Rehab Res Dev. 2014;51(8):1243-54	2014
Gait	Center of Pressure Analysis During Gait of Elderly Adult Transfemoral Amputees	de Castro, M.P. et al.	JPO Journal of Prosthetics & Orthotics . 25(2):68-75, April 2013	2013
Gait	Longitudinal gait analysis of a person with a transfemoral amputation using three different prosthetic knee/foot pairs	Barr, J.B. et al.	Physiotherapy in Theory and Practice 2012; 28(5):407-411	2012
Gait	Gait Characteristic Indices to Quantitatively Characterize Human Gait	Luo, G. et al.	JPO Journal of Prosthetics & Orthotics . 23(3):108-113, July 2011	2011
Gait	Patient satisfaction following lower-limb amputation: The role of gait deviation	Kark, L. et al.	Prosthet Orthot Int. 2011 Jun;35(2):225-33	2011

Gait	Short and Longer Term Changes in Amputee Walking Patterns Due to Increased Prosthesis Inertia	Smith, J.D. et al.	JPO Journal of Prosthetics & Orthotics . 23(3):114-123, July 2011	2011
Gait	Improving the gait performance of non-fluid-based swing-phase control mechanisms in transfemoral prostheses	Furse, A. et al.	IEEE Trans Biomed Eng. 2011 Aug;58(8)	2011
Gait	Differences in the Spatiotemporal Parameters of Transtibial and Transfemoral Amputee Gait	Highsmith, M.J. et al.	JPO Journal of Prosthetics & Orthotics . 22(1):26-30, January 2010	2010
Gait	The Lower Extremity Ambulation Feedback System for Analysis of Gait Asymmetries: Preliminary Design and Validation Results	Bamberg, S.J.M. et al.	JPO Journal of Prosthetics & Orthotics . 22(1):31-36, January 2010	2010
Gait	The Potential for Error With Use of Inverse Dynamic Calculations in Gait Analysis of Individuals With Lower Limb Loss: A Review of Model Selection and Assumptions	Sawers, A.B. et al.	JPO Journal of Prosthetics & Orthotics . 22(1):56-61, January 2010	2010
Gait	Biomechanical analysis of stair ambulation in lower limb amputees	Schmalz, T. et al.	Gait Posture 2007; 25(2):267-78	2007
Gait	Gait and balance of transfemoral amputees using passive mechanical and microprocessor-controlled prosthetic knees	Kaufman, K.R. et al.	Gait & Posture 26 (4), S. 489–493	2007
Gait	Minimum foot clearance during walking: Strategies for the minimisation of trip-related falls	Begg, R. et al.	Gait & Posture 25 (2), S. 191–198	2007
Gait	Clinical gait analysis: Theory and practice	Kirtley, C.	England: Elsevier Churchill Livingstone	2006
Gait	Use of quantitative gait analysis for the evaluation of prosthetic walking performance	Gard, S.A.	J. Prosthet. Orthot. 2006;18(6):93-104	2006
Gait	Effect of the Weight of Prosthetic Components on the Gait of Transtibial Amputees	Bateni, H. et al.	JPO Journal of Prosthetics & Orthotics . 16(4):113-120, October 2004	2004
Gait	Visual Analysis of Prosthetic Gait	Kapp, S.	Atlas of Amputations and Limb Deficiencies: Surgical, Prosthetics and Rehabilitation Principles, ed 3. Rosemont, IL, American Academy of Orthopaedic Surgeons, pp 385-394	2004
Gait	Initial Biomechanical Analysis and Modeling of Transfemoral Amputee Gait	Dundass, C. et al.	JPO Journal of Prosthetics & Orthotics . 15(1):20-26, January 2003	2003
Gait	Energy expenditure and biomechanical characteristics of lower limb amputee gait: The influence of prosthetic alignment and different prosthetic components	Schmalz, T. et al.	Gait and Posture 2002; 16(3):255-263	2002
Gait	Kinematic and Kinetic Variations of Below-Knee Amputee Gait	Bateni, H. et al.	JPO Journal of Prosthetics & Orthotics . 14(1):2-10, March 2002	2002
Gait	Physiological Comparisons of Physically Active Persons with Transtibial Amputation Using Static and Dynamic Prostheses versus Persons with Nonpathological Gait	Hsu, M.J. et al.	JPO Journal of Prosthetics & Orthotics . 12(2):60-67, August 21, 2000	2000
Gait	Prosthetic Gait of Unilateral Transfemoral Amputees: A Kinematic Study	Jaegers, S.M.H.J. et al.	Arch Phys Med Rehabil 76, S. 736–743	1995

Gait	The Effect of Walking Speed on the Joint Displacement Patterns and Forces and Moments Acting on the Above-Knee Amputee Prosthetic Leg	Hale, S.A.	JPO Journal of Prosthetics & Orthotics . 3(2):59-78, Winter 1991	1991
Gait	Biomechanics of below-knee amputee gait	Winter, D.A. et al.	J Biomech. 21(5):361-7	1988
Gait	Running patterns of transfemoral amputees: a clinical analysis	Mensch, G. et al.	Prosthet Orthot Int. 1986 Dec;10(3):129-34	1986
Hip	Does the new Helix 3D hip joint improve walking of hip disarticulated amputees?	Gailledrat, E. et al.	Annals of physical and rehabilitation medicine 2013; 56(5):411-418	2013
Hip	Evaluation of the Benefits of a New Prosthetic Hip Joint System in Activities of Daily Function in Patients after Hip Disarticulation or Hemipelvectomy	Ludwigs, E. et al.	JPO Journal of Prosthetics & Orthotics . 25(3):118-126, July 2013	2013
Hip	Functional Outcome Measurements of a Veteran With a Hip Disarticulation Using a Helix 3D Hip Joint: A Case Report	Nelson, L.M. et al.	JPO Journal of Prosthetics & Orthotics . 23(1):21-26, January 2011	2011
Hip	Biomechanical differences between two exoprosthetic hip joints systems during level walking	Ludwigs, E. et al.	Prosthetics and Orthotics International 2010; 34(4):449-460	2010
Hip Disarticulation	Endoprostheses for stump formation after hip disarticulation	Hardes, J. et al.	Orthopade. 2019 Apr 1.	2019
Knees	Intra-individual biomechanical effects of a non-microprocessor-controlled stance-yielding prosthetic knee during ramp descent in persons with unilateral transfemoral amputation	Okita, Y. et al.	Prosthet Orthot Int. 2019 Feb;43(1):55-61	2019
Knees	Reduced cortical brain activity with the use of microprocessor-controlled prosthetic knees during walking	Moller, S. et al.	Prosthet Orthot Int. 2018 Oct 30:309364618805260	2018
Knees	Dual-task standing and walking in people with lower limb amputation: A structured review	Morgan, S.J. et al.	Prosthet Orthot Int. 2018 Dec;42(6):652-666	2018
Knees	Gait termination on a declined surface in trans-femoral amputees: Impact of using microprocessor-controlled limb system	Abdulhasan, Z.M. et al.	Clin Biomech (Bristol, Avon). 2018 Aug;57:35-41	2018
Knees	Kinetic differences between level walking and ramp descent in individuals with unilateral transfemoral amputation using a prosthetic knee without a stance control mechanism	Okita, Y. et al.	Gait Posture. 2018 Jun;63:80-85	2018
Knees	Impact of Powered Knee-Ankle Prosthesis on Low Back Muscle Mechanics in Transfemoral Amputees: A Case Series	Jayaraman, C. et al.	Front Neurosci. 2018 Mar 22;12:134	2018
Knees	Economic Value of Advanced Transfemoral Prosthetics	Liu, H. et al.	RAND Corporation, 2017, https://www.rand.org/pubs/research_reports/RR2096.html.	2017
Knees	Case Series of Wounded Warriors Receiving Initial Fit PowerKnee™ Prosthesis	Pasquina, P.F. et al.	JPO Journal of Prosthetics & Orthotics . 29(2):88-96, April 2017	2017
Knees	Case Series of Wounded Warriors Receiving Initial Fit PowerKnee™ Prosthesis	Pasquina, P.F. et al.	JPO Journal of Prosthetics & Orthotics . 29(2):88-96, April 2017	2017

Knees	Safety and function of a prototype microprocessor-controlled knee prosthesis for low active transfemoral amputees switching from a mechanic knee prosthesis: a pilot study.	Hasenoehrl, T.	Disabil Rehabil Assist Technol. 2017 Apr 11:1-9	2017
Knees	Effects of a Novel Microprocessor-Controlled Knee, Kenevo, on the Safety, Mobility, and Satisfaction of Lower-Activity Patients with Transfemoral Amputation	Mileusnic, M. et al.	Journal of Prosthetics and Orthotics. 29(4):198-205, October 2017	2017
Knees	Stratified cost-utility analysis of C-Leg versus mechanical knees: Findings from an Italian sample of transfemoral amputees	Cutti, A.G. et al.	Prosthetics and Orthotics International 2016	2016
Knees	Differences in knee flexion between the Genium and C-Leg microprocessor knees while walking on level ground and ramps	Lura, D.J. et al.	Clinical Biomechanics 30 (2), S. 175 –181	2015
Knees	Effects of Mobility Grade, Age, and Etiology on Functional Benefit and Safety of Subjects Evaluated in More Than 1200 C-Leg Trial Fittings in Germany	Hahn, A. et al.	JPO Journal of Prosthetics & Orthotics . 27(3):86-94, July 2015	2015
Knees	Influence of a user-adaptive prosthetic knee on quality of life, balance confidence, and measures of mobility: a randomised cross-over trial	Prinsen, EC, et al.	Clin Rehabil. 2015 Jun;29(6):581-91	2015
Knees	Benefits of microprocessor-controlled prosthetic knees to limited community ambulators: Systematic review	Kannenberg, A. et al.	Journal of Rehabilitation Research & Development (JRRD) 2014; 51(10): 1469- 1496	2014
Knees	C-Leg® improves function and quality of life in an adolescent traumatic trans-femoral amputee – a case study	Tofts, L.J. et al.	Prosthetics and Orthotics International 2014; 38(5):413-417	2014
Knees	Does a microprocessor-controlled prosthetic knee affect stair ascent strategies in persons with transfemoral amputation?	Whitehead, A. et al.	Clinical orthopaedics and related research 472 (10), S. 3093–3101	2014
Knees	Effects of Adaptation to a Functionally New Prosthetic Lower-Limb Component: Results of Biomechanical Tests Immediately after Fitting and after 3 Months of Use	Schmalz, T. et al.	JPO Journal of Prosthetics & Orthotics . 26(3):134-143, July 2014	2014
Knees	Impact of stance phase microprocessor-controlled knee prosthesis on level walking in lower functioning individuals with a transfemoral amputation	Eberly, V.J. et al.	Prosthetics and Orthotics International 2014; 38(6):447-55	2014
Knees	Perceived differences between the Genium and the C-Leg microprocessor prosthetic knees in prosthetic-related function and quality of life	Highsmith, M.J. et al.	Technology & Innovation 15 (4), S. 369–375	2014
Knees	Short and Mid-Distance Walking and Posturography With a Novel Microprocessor Knee	Highsmith, M.J. et al.	Technology & Innovation 15 (4), S. 359–368	2014
Knees	STAIR ASCENT AND RAMP GAIT TRAINING WITH THE GENIUM KNEE	Highsmith, M.J. et al.	Technology & Innovation 15 (4), S. 349–358	2014
Knees	The effect of the C-Leg knee prosthesis on sensory dependency and falls during sensory organization testing	Highsmith, M.J. et al.	Technology and Innovation 2014; 2013(15):343-347	2014
Knees	Does a microprocessor-controlled prosthetic knee affect stair ascent strategies in persons with transfemoral amputation?	Aldridge-Whitehead, JM et al.	Clin Orthop Relat Res. 2014 Oct;472(10):3093-101	2014

Knees	Activities of Daily Living: Genium Bionic Prosthetic Knee Compared with C-Leg	Kannenberg, A. et al.	JPO Journal of Prosthetics & Orthotics . 25(3):110-117, July 2013	2013
Knees	Investigation of the Quality of Life of Persons with a Transfemoral Amputation Who Use a CLeg® Prosthetic Device	Beasley, W.D. et al.	Journal of Prosthetics and Orthotics 2013; 25(3):100-112	2013
Knees	Investigation of the Quality of Life of Persons with a Transfemoral Amputation Who Use a C-Leg® Prosthetic Device	William, D. et al.	JPO Journal of Prosthetics & Orthotics . 25(3):100-109, July 2013	2013
Knees	Ramp descent performance with the C-Leg and interrater reliability of the Hill Assessment Index	Highsmith, M.J. et al.	Prosthetics and Orthotics International 2013; 37(5):362–368	2013
Knees	Control of stair ascent and descent with a powered transfemoral prosthesis.	Lawson, BE et al.	IEEE Trans Neural Syst Rehabil Eng. 2013 May;21(3):466-73	2013
Knees	A Comparison of Energy Expenditure in People With Transfemoral Amputation Using Microprocessor and Nonmicroprocessor Knee Prostheses: A Systematic Review	Wong, C.K. et al.	JPO Journal of Prosthetics & Orthotics . 24(4):202-208, October 2012	2012
Knees	A Method for Training Step-Over-Step Stair Descent Gait With Stance Yielding Prosthetic Knees: A Technical Note	Highsmith, M.J. et al.	JPO Journal of Prosthetics & Orthotics . 24(1):10-15, January 2012	2012
Knees	Balance, Balance Confidence, and Falls Using Nonmicroprocessor and Microprocessor Knee Prostheses: A Case Study After Vascular Amputation With 12-Month Follow-Up	Wong, C.K. et al.	JPO Journal of Prosthetics & Orthotics . 24(1):16-18, January 2012	2012
Knees	Functional gait asymmetry of unilateral transfemoral amputees	Schaarschmidt, M. et al.	Human Movement Science 2012; 31(4):907-17	2012
Knees	Gait asymmetry of transfemoral amputees using mechanical and microprocessor-controlled prosthetic knees	Kaufman, K.R. et al.	Clinical biomechanics 2012; 27(5):460–465	2012
Knees	Immediate effects of a new microprocessor-controlled prosthetic knee joint: a comparative biomechanical evaluation	Bellmann, M. et al.	Arch Phys Med Rehabil 93 (3), S. 541–549	2012
Knees	Impact of stance phase microprocessor-controlled knee prosthesis on ramp negotiation and community walking function in K2 level transfemoral amputees	Burnfield, J.M. et al.	Prosthetics and orthotics international 2012; 36:95–104	2012
Knees	Influence of advanced prosthetic knee joints on perceived performance and everyday life activity level of low-functional persons with a transfemoral amputation or knee disarticulation	Theeven, P.J. et al.	Journal of rehabilitation medicine 2012; 44(5):454–461	2012
Knees	Obstacle course: users' maneuverability and movement efficiency when using Otto Bock CLeg, Otto Bock 3R60, and CaTech SNS prosthetic knee joints	Meier, M.R. et al.	Journal of rehabilitation research and development 2012; 49:583–596	2012
Knees	Stair ascent with an innovative microprocessor-controlled exoprosthetic knee joint	Bellmann, M. et al.	Biomed Tech (Berl) 57 (6), S. 435 – 444	2012

Knees	Functional added value of microprocessorcontrolled knee joints in daily life performance of Medicare Functional Classification Level-2 amputees	Theeven, P.J. et al.	Journal of Rehabilitation Medicine 2011; 43(10):906–915	2011
Knees	Kinetic asymmetry in transfemoral amputees while performing sit to stand and stand to sit movements	Highsmith, M.J. et al.	Gait & Posture 26 (4), S. 489–493	2011
Knees	Standing stability enhancement with an intelligent powered transfemoral prosthesis.	Lawson, BE et al.	IEEE Trans Biomed Eng. 2011 Sep;58(9):2617-24	2011
Knees	Assessment of Gait Symmetry in Transfemoral Amputees Using C-Leg Compared With 3R60 Prosthetic Knees	Peterson, A.O. et al.	JPO Journal of Prosthetics & Orthotics . 22(2):106-112, April 2010	2010
Knees	Kinematics in the Terminal Swing Phase of Unilateral Transfemoral Amputees: Microprocessor-Controlled Versus Swing-Phase Control Prosthetic Knees	Maaref, K. et al.	Archives of Physical Medicine and Rehabilitation 2010; 91(6):919-25	2010
Knees	Kinetic Differences Using a Power Knee and C-Leg While Sitting Down and Standing Up: A Case Report	Highsmith, M.J. et al.	JPO Journal of Prosthetics & Orthotics . 22(4):237-243, October 2010	2010
Knees	Safety, energy efficiency, and cost efficacy of the C-Leg for transfemoral amputees: A review of the literature	Highsmith, M.J. et al.	Prosthetics and Orthotics International 2010; 34(4):362-377	2010
Knees	Temporal and Spatial Parameters of Crawling in Children With Limb Loss: Implications on Prosthetic Knee Prescription	Geil, M.D. et al.	JPO Journal of Prosthetics & Orthotics . 22(1):21-25, January 2010	2010
Knees	Cost utility analysis of knee prosthesis with complete microprocessor control (C-leg) compared with mechanical technology in transfemoral amputees	Gerzeli, S. et al.	European Journal of Health Economics 2009; 10(1):47-55	2009
Knees	Costs and consequences of a prosthesis with an electronically stance and swing phase controlled knee joint	Seelen, H.A.M. et al.	Technology and Disability 2009; 21:25-34	2009
Knees	Decreased Heart Rate in a Geriatric Client After Physical Therapy Intervention and Accommodation With the C-Leg	Highsmith, M.J. et al.	JPO Journal of Prosthetics & Orthotics . 21(1):43-47, January 2009	2009
Knees	Differences in function and safety between Medicare Functional Classification Level-2 and -3 transfemoral amputees and influence of prosthetic knee joint control	Hafner, B.J., et al.	Journal of Rehabilitation Research and Development 2009; 46 (3):417–433	2009
Knees	Functional Stability of Transfemoral Amputee Gait Using the 3R80 and Total Knee 2000 Prosthetic Knee Units	Silver-Thorn, B. et al.	JPO Journal of Prosthetics and Orthotics, 21, 18 -31	2009
Knees	Perceived stability, function, and satisfaction among transfemoral amputees using microprocessor and nonmicroprocessor controlled prosthetic knees: a multicenter survey	Berry, D. et al.	Journal of Prosthetics & Orthotics 2009; 21(1):32–42	2009
Knees	The Safety of C-Leg: Biomechanical Tests	Blumentritt, S. et al.	JPO Journal of Prosthetics & Orthotics 2009; 21(1): 2-15	2009
Knees	Comparison of nonmicroprocessor knee mechanism versus C-Leg on Prosthesis Evaluation Questionnaire, stumbles, falls, walking tests, stair descent, and knee preference	Kahle, J.T. et al.	Journal of Rehabilitation Research & Development 2008; 45(1):1–13	2008
Knees	Cost-Effectiveness of C-Leg Compared With Non– Microprocessor-Controlled Knees: A Modeling Approach	Brodtkorb, T. et al.	Archives of Physical Medicine and Rehabilitation 2008; 89(1):24-30	2008

Knees	Energy expenditure and activity of transfemoral amputees using mechanical and microprocessorcontrolled prosthetic knees	Kaufman, K.R. et al.	Archives of Physical Medicine & Rehabilitation 2008; 89(7):1380–1385	2008
Knees	Case Report: Using the Activities-Specific Balance Confidence Scale to Quantify the Impact of Prosthetic Knee Choice on Balance Confidence	Stevens, P.M. et al.	JPO Journal of Prosthetics & Orthotics . 19(4):114-116, October 2007	2007
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Knees	The impact of C-LEG on the physical and psychological adjustment to transfemoral amputation	Bunce, D.J. et al.	Journal of Prosthetics & Orthotics 2007; 19(1):7–14	2007
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Knees	A comparative evaluation of oxygen consumption and gait pattern in amputees using Intelligent Prostheses and conventionally damped knee swing-phase control	Datta, D. et al.	Clin Rehabil. 2005;19(4):398-403	2005
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Osseointegration	Fifteen years of experience with Integral-Leg-Prosthesis: Cohort study of artificial limb attachment system	Juhnke, DL et al.	J Rehabil Res Dev. 2015;52(4):407-20	2015
Osseointegration	Implant survival, adverse events, and bone remodeling of osseointegrated percutaneous implants for transhumeral amputees	Tsikandylakis G. et al.	Clin Orthop Relat Res. 2014 Oct;472(10):2947-56. doi: 10.1007/s11999-014-3695-6	2014

Osseointegration	Surface electromyographic activity of five residual limb muscles recorded during isometric contraction in transfemoral amputees with osseointegrated prostheses	Butler, K. et al.	J Tissue Viability. 2014 Aug;23(3):81-93	2014
Osseointegration	A novel osseointegrated percutaneous prosthetic system for the treatment of patients with transfemoral amputation: A prospective study of 51 patients	Branemark, R. et al.	Bone Joint J. 2014 Jan;96-B(1):106-13	2014
Osseointegration	Walking ability and quality of life in subjects with transfemoral amputation: a comparison of osseointegration with socket prostheses	Van de Meent, H. et al.	Arch Phys Med Rehabil. 2013 Nov; 94(11):2174-8. Epub 2013 Jun 14	2013
Osseointegration	Vibrotactile evaluation: osseointegrated versus socket-suspended transfemoral prostheses	Haggstrom, E. et al.	J Rehabil Res Dev. 2013;50(10):1423-34	2013
Osseointegration	Comparison of prosthetic costs and service between osseointegrated and conventional suspended transfemoral prostheses	Haggstrom, E. et al.	Prosthet Orthot Int. 2013 Apr;37(2):152-60	2013
Osseointegration	Functional Outcome of Transfemoral Amputees Fitted With an Osseointegrated Fixation: Temporal Gait Characteristics	Frossard, L. et al.	JPO Journal of Prosthetics & Orthotics . 22(1):11-20, January 2010	2010
Osseointegration	Perceptions and Acceptance of Osseointegration Among Individuals With Lower Limb Amputations: A Prospective Survey Study	Webster, J.B. et al.	JPO Journal of Prosthetics & Orthotics . 21(4):215-222, October 2009	2009
Osseointegration	Bioelectric analyses of an osseointegrated intelligent implant design system for amputees.	Isaacson, BM et al.	J Vis Exp. 2009 Jul 15;(29):1-6	2009
Osseointegration	On the way to total integration of prosthetic pylon with residuum	Pitkin M.	J Rehabil Res Dev. 2009;46(3):345-60	2009
Osseointegration	Porous composite prosthetic pylon for integration with skin and bone	Pitkin M. et al.	J Rehabil Res Dev. 2007;44(5):723-38	2007
Osseointegration	Rehabilitation of the trans-femoral amputee with an osseointegrated prosthesis: the United Kingdom experience.	Sullivan, J. et al.	Prosthet Orthot Int. 2003 Aug;27(2):114-20	2003
Pain Management	Phantom limb pain: peripheral neuromodulatory and neuroprosthetic approaches to treatment	Peterson, B.A. et al.	Muscle Nerve. 2019 Feb;59(2):154-167	2019
Pain Management	Intervention for phantom limb pain: A randomized single crossover study of mirror therapy	Ramadugu, S. et al.	Indian J Psychiatry. 2017 Oct-Dec;59(4):457-464	2017
Pain Management	Combining the Absence of Electromagnetic Fields and Mirror Therapy to Improve Outcomes for Persons with Lower-Limb Vascular Amputation	Houston, H. et al.	JPO Journal of Prosthetics & Orthotics . 28(4):154-164, October 2016	2016
Pain Management	Adult limb and breast amputees' experience and descriptions of phantom phenomena-A qualitative study	Bjorkman, B. et al.	Scand J Pain. 2010 Jan 1;1(1):43-49	2010
Pediatric Feet	Comparison of Three Pediatric Prosthetic Feet During Functional Activities	McMulkin, M. et al.	JPO Journal of Prosthetics & Orthotics . 16(3):78-84, July 2004	2004
Pediatric Feet	Dynamics of below-knee child amputee gait: SACH foot versus Flex foot	Schneider, K. et al.	J. Biomech. 1993;26(10):1191-1204	1993

Pediatric Knees	Crawling Kinematics in an Early Knee Protocol for Pediatric Prosthetic Prescription	Geil, M.D. et al.	JPO Journal of Prosthetics & Orthotics . 25(1):22-29, January 2013	2013
Pediatric Knees	Transition to an Articulating Knee Prosthesis in Pediatric Amputees	Wilk, B.	JPO Journal of Prosthetics & Orthotics . 11(3):69-74, Summer 1999	1999
Pediatric Misc.	Walking and balance in children and adolescents with lower-limb amputation: A review of literature	Esraghi, A. et al.	Clin Biomech (Bristol, Avon). 2018 Nov;59:181-198	2018
Pediatric Upper Ex	An Open Source 3D-Printed Transitional Hand Prosthesis for Children	Zuniga, J.G. et al.	JPO Journal of Prosthetics & Orthotics . 28(3):103-108, July 2016	2016
Pediatric Upper Ex	The WILMER Passive Hand Prosthesis for Toddlers	Plettenburg, D.H.	JPO Journal of Prosthetics & Orthotics . 21(2):97-99, April 2009	2009
Pediatric Upper Ex	Crawling Prosthesis for a Right Transfemoral Amputee Infant: A Case Report	Beachler, M.D. et al.	JPO Journal of Prosthetics & Orthotics . 20(4):167-169, October 2008	2008
Pediatric Upper Ex	Reasons for Prosthetic Rejection by Children With Unilateral Congenital Transverse Forearm Total Deficiency	Wagner, L.V. et al.	JPO Journal of Prosthetics & Orthotics . 19(2):51-54, April 2007	2007
Pediatric Upper Ex	The WILMER Appealing Prehensor	Plettenburg, D.H.	JPO Journal of Prosthetics & Orthotics . 18(2):43-45, April 2006	2006
Pediatric Upper Ex	Predictors of Continued Prosthetic Wear in Children With Upper Extremity Prostheses	Shida-Tokeshi, J. et al.	JPO Journal of Prosthetics & Orthotics . 17(4):119-124, October 2005	2005
Pediatric Upper Ex	Pediatric unilateral below-elbow amputees: retrospective analysis of 34 patients given multiple prosthetic options	Crandall, R.C. et al.	J Pediatr Orthop. 2002; 22(3):380-383	2002
Pediatric Upper Ex	Clinical results of an investigation of paediatric upper limb myoelectric prosthesis fitting at the Quebec Rehabilitation Institute	Routhier, F. et al.	Prosthet Orthot Int. 2001;25(2):119-131	2001
Pediatric Upper Ex	Prehensor Grip for Children: A Survey of the Literature	Shaperman, J. et al.	JPO Journal of Prosthetics & Orthotics . 7(2):61-64, Spring 1995	1995
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Quality of Life	Psychosocial and physical adjustments and prosthesis satisfaction in amputees: a systematic review of observational studies	Luza, L.P. et al.	Disabil Rehabil Assist Technol. 2019 Apr 23:1-8	2019
Quality of Life	Factors influencing quality of life following lower limb amputation for peripheral arterial occlusive disease: A systematic review of the literature	Davie-Smith, F. et al.	Prosthet Orthot Int. 2017 Dec;41(6):537-547	2017
Quality of Life	Domains that Determine Quality of Life in Vascular Amputees	Suckow, BD et al.	Ann Vasc Surg. 2015;29(4):722-30	2015
Quality of Life	Quality of life following lower limb amputation for peripheral arterial disease	Pell, JP et al.	Eur J Vasc Surg. 1993 Jul;7(4):448-51	1993
Socket	Systematic Experimental Assessment of a 2D-Motion Sensor to Detect Relative Movement between Residual Limb and Prosthetic Socket	Noll, V. et al.	Sensors (Basel). 2018 Jul 6;18(7)	2018

Socket Design	A motor-driven adjustable prosthetic socket operated using a mobile phone app: A technical note	Sanders, J.E. et al.	Med Eng Phys. 2019 Apr 23. pii: S1350-4533(19)30068-2	2019
Socket Design	A Prospective Assessment of an Adjustable, Immediate Fit, Transtibial Prosthesis	Dillingham, T. et al.	PM R. 2019 Feb 7	2019
Socket Design	Adjustable sockets may improve residual limb fluid volume retention in transtibial prosthesis users	Brzostowski J.T. et al.	Prosthet Orthot Int. 2019 Jan	2019
Socket Design	Northwestern University Flexible Subischial Vacuum Socket for persons with transfemoral amputation: Part 2 Description and Preliminary evaluation.	Fatone, S. et al.	Prosthet Orthot Int. 2017 Jun;41(3):246-250	2017
Socket Design	Comparative Efficacy of Transfemoral Prosthetic Interfaces: Analysis of Gait and Perceived Disability	Klenow, T.D. et al.	JPO Journal of Prosthetics & Orthotics . 29(3):130-136, July 2017	2017
Socket Design	Northwestern University Flexible Subischial Vacuum Socket for persons with transfemoral amputation-Part 1: Description of technique	Fatone, S. et al.	Prosthet Orthot Int. 2017 Jun;41(3):237-245.	2017
Socket Design	Fluctuating residual limb volume accommodated with an adjustable, modular socket design: A novel case report	Mitton, K. et al.	Prosthet Orthot Int. 2017 Oct;41(5):527-531	2017
Socket Design	COMPARATIVE EFFECTIVENESS OF AN ADJUSTABLE TRANSFEMORAL PROSTHETIC INTERFACE ACCOMMODATING VOLUME FLUCTUATION: CASE STUDY	Kahle, JT et al.	Technol Innov. 2016 Sep;18(2-3):175-183	2016
Socket Design	Systematic review of effects of current transtibial prosthetic socket designs-Part 1: Qualitative outcomes	Safari, MR et al.	J Rehabil Res Dev. 2015;52(5):491-508	2015
Socket Design	Characterisation of dynamic couplings at lower limb residuum/socket interface using 3D motion capture	Tang, J. et al.	Med Eng Phys. 2015 Dec;37(12):1162-8	2015
Socket Design	Optimization of Important Relief Areas in Prosthetic Socket for Below-Knee Amputees Using Design of Experiment and Finite Element Model	Nehme, G. et al.	JPO Journal of Prosthetics & Orthotics . 26(4):194-204, October 2014	2014
Socket Design	Socket Pressure and Discomfort in Upper-Limb Prostheses: A Preliminary Study	Daly, W. et al.	JPO Journal of Prosthetics & Orthotics . 26(2):99-106, April 2014	2014
Socket Design	A Variable-Impedance Prosthetic Socket for a Transtibial Amputee Designed from Magnetic Resonance Imaging Data	Sengeh, D.M. et al.	JPO Journal of Prosthetics & Orthotics . 25(3):129-137, July 2013	2013
Socket Design	Effectiveness of a Modified Icex® Casting Technique Based on Circumferential Change in Residual Limb Volume	Day, J.D.	JPO Journal of Prosthetics & Orthotics . 25(4):160-165, October 2013	2013
Socket Design	Transfemoral sockets with vacuum-assisted suspension comparison of hip kinematics, socket position, contact pressure, and preference: Ischial containment versus brimless	Kahle, J.T. et al.	Journal of Rehabilitation Research & Development 2013; 50(9):1241-52	2013
Socket Design	An Investigation of Comfort Level Trend Differences Between the Hands-On Patellar Tendon Bearing and Hands-Off Hydrocast Transtibial Prosthetic Sockets	Manucharian, S.R.	JPO Journal of Prosthetics & Orthotics . 23(3):124-140, July 2011	2011

Socket Design	Impact of Pressure Distribution on the Relief Areas of Prosthetic Sockets for Transtibial Amputees Using Design of Experiment and Finite Element Analysis	Nehme, G. et al.	JPO Journal of Prosthetics & Orthotics . 23(4):170-183, October 2011	2011
Socket Design	Prosthetic sockets stabilized by alternating areas of tissue compression and release	Alley, RD et al.	J Rehabil Res Dev. 2011;48(6):679-96	2011
Socket Design	Case Report: Variably Compliant Transtibial Prosthetic Socket Fabricated Using Solid Freeform Fabrication	Rogers, B. et al.	JPO Journal of Prosthetics & Orthotics . 20(1):1-7, January 2008	2008
Socket Design	Comparison of Rectified and Unrectified Sockets for Transtibial Amputees	Engsberg, J.R. et al.	JPO Journal of Prosthetics & Orthotics . 18(1):1-7, January 2006	2006
Socket Design	Concepts of Pressure in an Ischial Containment Socket: Measurement	Neumann, E.S. et al.	JPO Journal of Prosthetics & Orthotics . 17(1):2-11, January 2005	2005
Socket Design	Concepts of Pressure in an Ischial Containment Socket: Perception	Neumann, E.S. et al.	JPO Journal of Prosthetics & Orthotics . 17(1):12-20, January 2005	2005
Socket Design	Gait, cost and time implications for changing from PTB to ICEX sockets	Datta, D. et al.	Prosthetics and Orthotics Int'l 2004;28:115-20	2004
Socket Design	Volume Management: Smart Variable Geometry Socket (SVGS) Technology for Lower-Limb Prostheses	Greenwald, R.M. et al.	JPO Journal of Prosthetics & Orthotics . 15(3):107-112, July 2003	2003
Socket Design	A new trim line concept for trans-tibial amputation prosthetic sockets	Soderberg, B.	Prosthet Orthot Int. 2002 Aug;26(2):159-62	2002
Socket Design	Double-Wall, Transtibial Prosthetic Socket Fabricated Using Selective Laser Sintering: A Case Study	Rogers, B. et al.	JPO Journal of Prosthetics & Orthotics . 12(3):97-103, November 10, 2000	2000
Socket Design	Conventional and Hydrostatic Transtibial Interface Comparison	Kahle, J.T.	JPO Journal of Prosthetics & Orthotics . 11(4):85-91, Fall 1999	1999
Socket Design	An open socket technique for through-knee amputations in relation to skin problems of the stump: an explorative study.	Otter, N. et al.	Clin Rehabil. 1999 Feb;13(1):34-43	1999
Socket Design	Current transfemoral sockets	Schuch, CM et al.	Clin Orthop Relat Res. 1999 Apr;(361):48-54	1999
Socket Design	Silicone soft socket system: its effect on the rehabilitation of geriatric patients with transfemoral amputations	Trieb, K. et al.	Arch Phys Med Rehabil. 1999 May;80(5):522-5	1999
Socket Design	Suspension Effect and Dynamic Evaluation of the Total Surface Bearing (TSB) Trans-tibial Prosthesis: A comparison with the patellar tendon bearing (PTB) trans-tibial prosthesis	Narita, H. et al.	Prosthet Orthot Int, 21, 175-8, 1997	1997
Socket Design	Movements in Prosthetic Sockets: A comparison between ICEROSS and PTB-socket	Lilja, M. et al.	Abstract Swedish Medical Society, Hygiea. 1994	1994
Socket Design	Computer-aided socket design for trans-femoral amputees.	Travis, RP et al.	Prosthet Orthot Int. 1993 Dec;17(3):172-9	1993
Socket Design	An evaluation of computer aided design of below-knee prosthetic sockets	Topper, AK et al.	Prosthet Orthot Int. 1990 Dec;14(3):136-42	1990
Socket Design	Computer aided design of prosthetic sockets for below-knee amputees	Saunders, C.G. et al.	Prosthet Orthot Int. 1985 Apr;9(1):17-22	1985
Socket Design	Socket design and manufacturing technique for through-knee stumps.	Botta, P. et al.	Prosthet Orthot Int. 1983 Aug;7(2):100-3	1983
Socket Design	The TC double socket above-knee prosthesis	Koike, K., et al.	Prosthet Orthot Int. 1981 Dec;5(3):129-34	1981

Socket Design	Socket design for the above-knee amputee.	Foort, J.	Prosthet Orthot Int. 1979 Aug;3(2):73-81	1979
Socket Design	Semi-flexible sockets for amputation below the knee	Symington, DC et al.	Arch Phys Med Rehabil. 1975 Sep;56(9):399-404	1975
Socket Misc.	Easy Technique for Radiographic Evaluation of Stump-socket Fit in Below-knee Amputees	Tsur, A.	Ortop Traumatol Rehabil. 2019 Feb 28;21(1):57-63	2019
Socket Misc.	Comparative study of the circumferential and volumetric analysis between conventional casting and three-dimensional scanning methods for transtibial socket: A preliminary study	Mehmood, W. et al.	Proc Inst Mech Eng H. 2019 Feb;233(2):181-192	2019
Socket Misc.	Case study: survey of patient satisfaction with prosthesis quality and design among below-knee prosthetic leg socket users.	Mohd, HN et al	Disabil Rehabil Assist Technol. 2017 Nov;12(8):868-874	2017
Socket Misc.	Development and acceptability testing of decision trees for self-management of prosthetic socket fit in adults with lower limb amputation	Lee, DJ et al.	Disabil Rehabil. 2017 Feb 21:1-6	2017
Socket Misc.	Successful management of femoral trauma in a through-knee amputee with a previous malunited fracture: Implications and functional outcome	Lineham, B. et al.	Prosthet Orthot Int. 2017 Oct;41(5):512-516	2017
Socket Misc.	The prototype of a thermoregulatory system for measurement and control of temperature inside prosthetic socket	Ghoseiri, K. et al.	Prosthet Orthot Int. 2016 Dec;40(6):751-755	2016
Socket Misc.	INTERVENTIONS TO MANAGE RESIDUAL LIMB ULCERATION DUE TO PROSTHETIC USE IN INDIVIDUALS WITH LOWER EXTREMITY AMPUTATION: A SYSTEMATIC REVIEW OF THE LITERATURE.	Highsmith, M.J. et al.	Technol Innov. 2016 Sep;18(2-3):115-123	2016
Socket Misc.	Integration of surface electromyographic sensors with the transfemoral amputee socket: a comparison of four differing configurations	Hefferman, GM et al.	Prosthet Orthot Int. 2015 Apr;39(2):166-73	2015
Socket Misc.	Prevalence of heat and perspiration discomfort inside prostheses: literature review	Ghoseiri, K. et al.	J Rehabil Res Dev. 2014; 51(6):855-68	2014
Socket Misc.	Regression Estimates of Pressure on Transtibial Residual Limbs Using Load Cell Measurements of the Forces and Moments Occurring at the Base of the Socket	Neumann, E.S. et al.	JPO Journal of Prosthetics & Orthotics . 25(1):1-12, January 2013	2013
Socket Misc.	Reliability of Digital Fluoroscopic Video for Assessing Axial and Mediolateral Movement of the Femur During Weight Bearing in Individuals with Transfemoral Amputations	Werner, K.M. et al.	JPO Journal of Prosthetics & Orthotics . 25(2):64-67, April 2013	2013
Socket Misc.	Finite element analysis of the contact interface between trans-femoral stump and prosthetic socket.	Zhang, L. et al.	Conf Proc IEEE Eng Med Biol Soc. 2013;2013:1270-3.	2013
Socket Misc.	Measurement of Motion Between the Residual Limb and the Prosthetic Socket During Cycling	Childers, W.L. et al.	JPO Journal of Prosthetics & Orthotics . 24(1):19-24, January 2012	2012
Socket Misc.	Device to monitor sock use in people using prosthetic limbs: technical report.	Sanders, J.E. et al.	J Rehabil Res Dev. 2012;49(8):1229-38	2012

Socket Misc.	Post-doffing residual limb fluid volume change in people with trans-tibial amputation.	Sanders, J.E. et al.	Prosthet Orthot Int. 2012 Dec;36(4):443-9	2012
Socket Misc.	Finite element analysis of donning procedure of a prosthetic transfemoral socket	Lacroix, D. et al.	Ann Biomed Eng. 2011 Dec;39(12):2972-83	2011
Socket Misc.	Residual limb volume change: systematic review of measurement and management.	Sanders, J.E. et al.	J Rehabil Res Dev. 2011;48(8):949-86	2011
Socket Misc.	Residual-limb skin temperature in transtibial sockets	Peery, JT et al.	J Rehabil Res Dev. 2005 Mar-Apr;42(2):147-54	2005
Socket Misc.	A photoelastic clinical study of the static load distribution at the stump/socket interface of PTB sockets	Sewell, P. et al.	Prosthet Orthot Int. 2005 Dec;29(3):291-302	2005
Socket Misc.	Scientific validation of two commercial pressure sensor systems for prosthetic socket fit	Polliack, AA, et al.	Prosthet Orthot Int. 2000 Apr;24(1):63-73	2000
Socket Misc.	Interface mechanics in external prosthetics: review of interface stress measurement techniques.	Sanders, J.E.	Med Biol Eng Comput. 1995 Jul;33(4):509-16.	1995
Socket Misc.	A CAD CAM method for custom below-knee sockets	Engsberg, J.R. et al.	Prosthet Orthot Int. 1992 Dec;16(3):183-8	1992
Socket Misc.	Radiological evaluation of prosthetic fit in below-the-knee amputees	Newton, RL et al.	Skeletal Radiol. 1988;17(4):276-80	1988
Socket Suspension	Re: "Quantitative and Qualitative Comparison of a New Prosthetic Suspension System with Two Existing Suspension Systems for Lower Limb Amputees".	Dillon, MP et al.	Am J Phys Med Rehabil. 2015 Jul;94(7):e59-60	2015
Socket Suspension	Transfemoral prosthesis suspension systems: a systematic review of the literature	Gholizadeh, H. et al.	Am J Phys Med Rehabil. 2014 Sep;93(9):809-23. doi: 10.1097/PHM.0000000000000094	2014
Socket Suspension	Transtibial prosthesis suspension systems: systematic review of literature	Gholizadeh, H. et al.	Clin Biomech (Bristol, Avon). 2014 Jan;29(1):87-97. doi: 10.1016/j.clinbiomech.2013.10.013. Epub 2013 Oct 29.	2014
Socket Suspension	Gait biomechanics of individuals with transtibial amputation: effect of suspension system	Esraghi, A. et al.	PLoS One. 2014 May 27;9(5):e96988. doi: 10.1371/journal.pone.0096988. eCollection 2014	2014
Socket Suspension	The effects of suction and pin/lock suspension systems on transtibial amputees' gait performance	Gholizadeh, H. et al.	PLoS One. 2014 May 14;9(5):e94520	2014
Socket Suspension	Evaluation of new suspension system for limb prosthetics.	Gholizadeh, H. et al.	Biomed Eng Online. 2014 Jan 10;13:1	2014
Socket Suspension	Shuttle Lock Suspension Supplemented with Suction for a Person with Transfemoral Amputation: A Case Report	Mack, H. et al.	JPO Journal of Prosthetics & Orthotics . 25(4):188-192, October 2013	2013
Socket Suspension	Satisfaction and problems experienced with transfemoral suspension systems: a comparison between common suction socket and seal-in liner	Gholizadeh, H. et al.	Arch Phys Med Rehabil. 2013 Aug; 94(8):1584-9. Epub 2012 Dec 19.	2013
Socket Suspension	An experimental study of the interface pressure profile during level walking of a new suspension system for lower limb amputees	Esraghi, A. et al.	Clin Biomech (Bristol, Avon). 2013 Jan;28(1):55-60. doi: 10.1016/j.clinbiomech.2012.10.002. Epub 2012 Nov 14.	2012
Socket Suspension	Pistoning assessment in lower limb prosthetic sockets	Esraghi, A. et al.	Prosthet Orthot Int. 2012 Mar;36(1):15-24. doi: 10.1177/0309364611431625. Epub 2012 Jan 22	2012

Socket Suspension	Quantitative and qualitative comparison of a new prosthetic suspension system with two existing suspension systems for lower limb amputees	Esraghi, A. et al.	Am J Phys Med Rehabil. 2012 Dec;91(12):1028-38. doi: 10.1097/PHM.0b013e318269d82a	2012
Socket Suspension	Lower extremity socket design and suspension	Carroll, K.	Phys Med Rehabil Clin N Am. 2006 Feb;17(1):31-48	2006
Socket Suspension	Radiographic Comparison of Vertical Tibial Translation Using Two Types of Suspensions on a Transtibial Prosthesis: A Case Study	Tanner, J. et al.	J Prosth Orthot, 13, 14-16, 2001	2001
Socket Suspension	Muscular Atrophy and Demineralization in Low Limb Amputees. Causes and Consequences	Viejo, M.A.G. et al.	Rehabilitacion, 34, 285-293, 2000	2000
Socket Suspension	Outcome of fitting an ICEROSS prosthesis: Views of transtibial amputees	Datta, D. et al.	Prosthet Orthot Int. 1996 Aug; 20(2):111-5	1996
Socket Suspension	Analysis of below-knee suspension systems: Effect on gait	Wirta, R.W. et al.	J Rehabil Res Dev. 1990 Fall;27(4):385-96	1990
Socket Suspension	Suction socket suspension for below-knee amputees	Roberts, RA	Arch Phys Med Rehabil. 1986 Mar;67(3):196-9	1986
Upper Ex	Upbeat: Augmented Reality-Guided Dancing for Prosthetic Rehabilitation of Upper LimbAmputees	Melero, M. et al.	J Healthc Eng. 2019 Mar 19;2019:2163705	2019
Upper Ex	A narrative review: current upper limb prosthetic options and design	Trent, L. et al.	Disabil Rehabil Assist Technol. 2019 Apr 11:1-10	2019
Upper Ex	Psychological distress among persons with upper extremity limb loss	Armstrong, T.W. et al.	Br J Health Psychol. 2019 Apr 3	2019
Upper Ex	A national study of Veterans with major upper limb amputation: Survey methods, participants, and summary findings	Resnik, L. et al.	PLoS One. 2019 Mar 14;14(3):e0213578	2019
Upper Ex	Loads on Transhumeral Amputees Using Osseointegrated Prostheses	Stenlund, P. et al.	Ann Biomed Eng. 2019 Mar 11	2019
Upper Ex	Upper Extremity Amputation and Prosthetics Care Across the Active Duty Military and Veteran Populations	Cancio, J.M. et al.	Phys Med Rehabil Clin N Am. 2019 Feb;30(1):73-87	2019
Upper Ex	Comparison of Bilateral and Unilateral Contractions and Limb Dominance on Pattern Classification Accuracy for Prosthesis Control	Kuruganti, U. et al.	Journal of Prosthetics and Orthotics. 30(1):15-19, January 2018	2018
Upper Ex	Virtual Integration Environment as an Advanced Prosthetic Limb Training Platform	Perry, B.N. et al.	Front Neurol. 2018 Oct 17;9:785	2018
Upper Ex	The SoftHand Pro: Functional evaluation of a novel, flexible, and robust myoelectric prosthesis	Godfrey, S.B. et al.	PLoS One. 2018 Oct 15;13(10):e0205653	2018
Upper Ex	Upper limb activity in myoelectric prosthesis users is biased towards the intact limb and appears unrelated to goal-directed task performance	Chadwell, A. et al.	Sci Rep. 2018 Jul 23;8(1):11084	2018
Upper Ex	Human-Inspired Reflex to Autonomously Prevent Slip of Grasped Objects Rotated with a Prosthetic Hand	Ray, Z. et al.	J Healthc Eng. 2018 Jun 24;2018:2784939	2018

Upper Ex	Home Use of a Neural-connected Sensory Prosthesis Provides the Functional and Psychosocial Experience of Having a Hand Again	Graczyk, E.L. et al.	Sci Rep. 2018 Jun 29;8(1):9866	2018
Upper Ex	3D printed upper limb prosthetics	Vujaklija, I. et al.	Expert Rev Med Devices. 2018 Jul;15(7):505-512	2018
Upper Ex	Function, quality of life, and community integration of DEKA Arm users after discharge from prosthetic training: Impact of home use experience	Resnik, L. et al.	Prosthet Orthot Int. 2018 Dec;42(6):571-582	2018
Upper Ex	Feminine identity and functional benefits are key factors in women's decision making about upper limb prostheses: a case series	Resnik, L. et al.	Disabil Rehabil Assist Technol. 2018 May 9:1-15	2018
Upper Ex	Identifying and prioritizing concerns associated with prosthetic devices for use in a benefit-risk assessment: a mixed-methods approach	Janssen, E.M. et al.	Expert Rev Med Devices. 2018 May;15(5):385-398	2018
Upper Ex	Differences in level of upper limb loss on functional impairment, psychological well-being, and substance use	Kearns, N.T. et al.	Rehabil Psychol. 2018 Feb;63(1):141-147	2018
Upper Ex	How do the outcomes of the DEKA Arm compare to conventional prostheses?	Resnik, L. et al.	PLoS One. 2018 Jan 17;13(1):e0191326	2018
Upper Ex	Multi-Position Training Improves Robustness of Pattern Recognition and Reduces Limb-Position Effect in Prosthetic Control	Beaulieu, R.J. et al.	JPO Journal of Prosthetics & Orthotics . 29(2):54-62, April 2017	2017
Upper Ex	An anthropomorphic transhumeral prosthesis socket developed based on an oscillometric pump and controlled by force-sensitive resistor pressure signals.	Razak, NA et al.	Biomed Tech (Berl). 2017 Feb 1;62(1):49-55.	2017
Upper Ex	Assessment of Functionality of Multifunction Prosthetic Hands	Kyberd, P.J.	JPO Journal of Prosthetics & Orthotics . 29(3):103-111, July 2017	2017
Upper Ex	Attrition and retention in upper limb prosthetics research: experience of the VA home study of the DEKA arm	Resnik, L. et al.	Disabil Rehabil Assist Technol. 2017 Nov;12(8):816-821	2017
Upper Ex	Comparative Study of Functional Grasp and Efficiency Between a 3D-Printed and Commercial Myoelectric Transradial Prosthesis Using Able-Bodied Subjects: A Pilot Study	Duong, T. et al.	Journal of Prosthetics and Orthotics. 29(3):112-118, July 2017	2017
Upper Ex	Development and Real World Use of a Vibratory Haptic Feedback System for Upper-Limb Prosthetic Users	Rosenbaum-Chou, T. et al.	JPO Journal of Prosthetics & Orthotics . 28(4):136-144, October 2016	2016
Upper Ex	Biomechanical design considerations for transradial prosthetic interface: A review	Sang, Y. et al.	Proc Inst Mech Eng H. 2016 Mar;230(3):239-50. doi: 10.1177/0954411915624452. Epub 2016 Jan 12	2016
Upper Ex	Comparison of transhumeral socket designs utilizing patient assessment and in vivo skeletal and socket motion tracking: a case study	Resnik, L. et al.	Disabil Rehabil Assist Technol. 2016;11(5):423-32	2016
Upper Ex	Characteristics of a volume-adjustable compression chamber for transradial prosthetic interface	Sang, Y. et al.	Proc Inst Mech Eng H. 2016 Jul;230(7):650-60	2016

Upper Ex	An experimental apparatus to simulate body-powered prosthetic usage: Development and preliminary evaluation	Gao, F. et al.	Prosthet Orthot Int. 2016 Jun;40(3):404-8	2016
Upper Ex	Clinical Investigation of High-Density Electromyography Data and Pattern Classification Accuracy for Prosthetic Control	Prime, C. et al.	JPO Journal of Prosthetics & Orthotics . 27(1):8-14, January 2015	2015
Upper Ex	Design, Implementation, and Testing of a Small Bidirectional Locking Clutch for Hand Prostheses	Vaidya, N. et al.	JPO Journal of Prosthetics & Orthotics . 27(1):2-7, January 2015	2015
Upper Ex	Ease of Activities of Daily Living with Conventional and Multigrip Myoelectric Hands	Probsting, E. et al.	JPO Journal of Prosthetics & Orthotics . 27(2):46-52, April 2015	2015
Upper Ex	Outcomes and Perception of a Conventional and Alternative Myoelectric Control Strategy: A Study of Experienced and New Multiarticulating Hand Users	Vilarino, M. et al.	JPO Journal of Prosthetics & Orthotics . 27(2):53-62, April 2015	2015
Upper Ex	Differences in myoelectric and body-powered upper-limb prostheses: Systematic literature review	Carey, SL et al.	J Rehabil Res Dev. 2015;52(3):247-262	2015
Upper Ex	A Structured Rehabilitation Protocol for Improved Multifunctional Prosthetic Control: A Case Study	Roche, AD et al.	J Vis Exp. 2015 Nov 6;(105):e52968	2015
Upper Ex	Closed-Loop Vibratory Haptic Feedback in Upper-Limb Prosthetic Users	Chaubey, P. et al.	JPO Journal of Prosthetics & Orthotics . 26(3):120-127, July 2014	2014
Upper Ex	On the Suitability of Integrating Accelerometry Data with Electromyography Signals for Resolving the Effect of Changes in Limb Position during Dynamic Limb Movement	Radmand, A. et al.	JPO Journal of Prosthetics & Orthotics . 26(4):185-193, October 2014	2014
Upper Ex	A Training Strategy for Learning Pattern Recognition Control for Myoelectric Prostheses	Powell, M.A. et al.	JPO Journal of Prosthetics & Orthotics . 25(1):30-41, January 2013	2013
Upper Ex	Endpoint Control for a Powered Shoulder Prosthesis	Phillips, S.L.	JPO Journal of Prosthetics & Orthotics . 25(4):193-200, October 2013	2013
Upper Ex	Training Strategies for Mitigating the Effect of Proportional Control on Classification in Pattern Recognition–Based Myoelectric Control	Scheme, E. et al.	JPO Journal of Prosthetics & Orthotics . 25(2):76-83, April 2013	2013
Upper Ex	Mechanical design and performance specifications of anthropomorphic prosthetic hands: a review	Belter, J.T. et al.	J Rehabil Res Dev 2013;50(5):599Y618	2013
Upper Ex	Design and fabrication of a finger prosthesis based on a new method of suspension	Arazpour, M. et al.	Prosthet Orthot Int. 2013 Aug;37(4):332-5	2013
Upper Ex	Bernstein's Levels of Construction of Movements Applied to Upper Limb Prosthetics	Bongers, R.M. et al.	JPO Journal of Prosthetics & Orthotics . 24(2):67-76, April 2012	2012
Upper Ex	Designing for Affordability, Application, and Performance: The International Transradial Adjustable Limb Prosthesis	Johnson, A. et al.	JPO Journal of Prosthetics & Orthotics . 24(2):80-85, April 2012	2012
Upper Ex	Experiences and Outcomes With Powered Partial Hand Prostheses: A Case Series of Subjects With Multiple Limb Amputations	Phillips, S.L. et al.	JPO Journal of Prosthetics & Orthotics . 24(2):93-97, April 2012	2012
Upper Ex	Interactions Between the Phantom Limb Sensations, Prosthesis Use, and Rehabilitation as Seen by Amputees and Health Professionals	Bouffard, J. et al.	JPO Journal of Prosthetics & Orthotics . 24(1):25-33, January 2012	2012

Upper Ex	Patient Training for Functional Use of Pattern Recognition–Controlled Prostheses	Simon, A.M. et al.	JPO Journal of Prosthetics & Orthotics . 24(2):56-64, April 2012	2012
Upper Ex	The Effects of Weight and Inertia of the Prosthesis on the Sensitivity of Electromyographic Pattern Recognition in Relax State	Cipriani, C. et al.	JPO Journal of Prosthetics & Orthotics . 24(2):86-92, April 2012	2012
Upper Ex	Use of Lipomodeling to Forearm Residuum to Assist Fitting of Below-Elbow Prosthesis	Bavikatte, G. et al.	JPO Journal of Prosthetics & Orthotics . 24(1):50-51, January 2012	2012
Upper Ex	Prosthesis use in adult acquired major upper-limb amputees: patterns of wear, prosthetic skills and the actual use of prostheses in activities of daily life	Ostlie, K. et al.	Disabil Rehabil Assist Technol. 2012; 7(6):479-493	2012
Upper Ex	Control Scheme for Independent Thumb Motion in a Myoelectrically Controlled Hand Prosthesis	Vaidya, N. et al.	JPO Journal of Prosthetics & Orthotics . 23(4):190-195, October 2011	2011
Upper Ex	Transhumeral Recreational Prosthesis	Capestany, L. et al.	JPO Journal of Prosthetics & Orthotics . 23(3):165-167, July 2011	2011
Upper Ex	Virtual Reality Environment for Simulating Tasks With a Myoelectric Prosthesis: An Assessment and Training Tool	Lambrecht, J.M. et al.	JPO Journal of Prosthetics & Orthotics . 23(2):89-94, April 2011	2011
Upper Ex	Osseointegration amputation prostheses on the upper limbs: methods, prosthetics and rehabilitation	Jonsson, S. et al.	Prosthet Orthot Int. 2011 Jun;35(2):190-200.	2011
Upper Ex	Muscle Activation Patterns of the Forearm: High-Density Electromyography Data of Normally Limbed and Transradial Amputee Subjects	Daley, H. et al.	JPO Journal of Prosthetics & Orthotics . 22(4):244-251, October 2010	2010
Upper Ex	Osseocutaneous integration of an intraosseous transcutaneous amputation prosthesis implant used for reconstruction of a transhumeral amputee: case report	Kang, NV et al.	J Hand Surg Am. 2010 Jul;35(7):1130-4	2010
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Upper Ex	A Novel Electromechanical Shoulder Articulation for Upper-Limb Prostheses: From the Design to the First Clinical Application	Troncossi, Marco et al.	JPO Journal of Prosthetics & Orthotics . 21(2):79-90, April 2009	2009
Upper Ex	Analysis of Finger Position During Two- and Three-Fingered Grasp: Possible Implications for Terminal Device Design	Maitland, M.E. et al.	JPO Journal of Prosthetics & Orthotics . 21(2):102-105, April 2009	2009
Upper Ex	Current Experiences With the Prosthetic Upper Extremity Functional Index in Follow-Up of Children With Upper Limb Reduction Deficiency	van Dijk-Koot, C.A. et al.	JPO Journal of Prosthetics & Orthotics . 21(2):110-114, April 2009	2009
Upper Ex	Experiment on Comparative Validation of the Destabilizing Factors in Surface Myoelectric Interface for Prosthetic Control	Ohnishi, K.	JPO Journal of Prosthetics & Orthotics . 21(2):106-109, April 2009	2009
Upper Ex	Functional Outcomes in the WHO-ICF Model: Establishment of the Upper Limb Prosthetic Outcome Measures Group	Hill, W. et al.	JPO Journal of Prosthetics & Orthotics . 21(2):115-119, April 2009	2009
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Upper Ex	Shoulder Region Socket Considerations	Farnsworth, T. et al.	JPO Journal of Prosthetics & Orthotics . 20(3):93-106, July 2008	2008
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Upper Ex	The Use of Preparatory/Evaluation/Training Prostheses in Developing Evidenced-Based Practice in Upper Limb Prosthetics	Brenner, C.D. et al.	JPO Journal of Prosthetics & Orthotics . 20(3):70-82, July 2008	2008
Upper Ex	Transhumeral and Elbow Disarticulation Anatomically Contoured Socket Considerations	Thomas, A.J.	JPO Journal of Prosthetics & Orthotics . 20(3):107-117, July 2008	2008
Upper Ex	Transradial and Wrist Disarticulation Socket Considerations: Case Studies	Miguelez, J. et al.	JPO Journal of Prosthetics & Orthotics . 20(3):118-125, July 2008	2008
Upper Ex	Survey of Upper-Extremity Prosthesis Users in Sweden and the United Kingdom	Kyberd, P.J. et al.	JPO Journal of Prosthetics & Orthotics . 19(2):55-62, April 2007	2007
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Upper Ex	A New Externally Powered, Myoelectrically Controlled Prosthesis for Persons with Partial-Hand Amputations at the Metacarpals	Weir, R.F. et al.	JPO Journal of Prosthetics & Orthotics . 13(2):26-31, June 2001	2001
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