



NOVEMBER 2009

The NLLIC provides results of a monthly search on amputation and related topics from National Library of Medicine's PubMed® on the web. The purpose of this list is to highlight professional literature on the subject of amputation. If you would like to receive this list via email, contact Molly Moore at library@amputee-coalition.org.

Search topics include cancer, congenital limb deficiency, diabetes, dysvascular disease, outcomes research, prosthetics and orthotics, psychology, rehabilitation, surgery, trauma and secondary conditions such as pain, obesity, emotional recovery, and smoking.

More resources are also available on the ACA web site's [online library](#), an invaluable resource for amputees, medical professionals, and others with limb loss that are seeking specific information.



Cancer

No applicable listing for this topic.

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Congenital Limb Difference

Maternal nutrient intake and risks for transverse and longitudinal limb deficiencies: data from the National Birth Defects Prevention Study, 1997-2003.

Robitaille J, Carmichael SL, Shaw GM, Olney RS; National Birth Defects Prevention Study.

Birth Defects Res A Clin Mol Teratol. 2009 Sep;85(9):773-9.

PMID: 19350655

<http://www.ncbi.nlm.nih.gov/pubmed/19350655>

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Diabetes

Psychosocial adjustment to diabetes-related lower limb amputation.

Coffey L, Gallagher P, Horgan O, Desmond D, MacLachlan M.

Diabet Med. 2009 Oct;26(10):1063-7.

PMID: 19900240

www.ncbi.nlm.nih.gov/pubmed/19900240

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Dysvascular

Ethnicity and risk factors for change in the ankle-brachial index: the Multi-Ethnic Study of Atherosclerosis.

Allison MA, Cushman M, Solomon C, Aboyans V, McDermott MM, Goff DC Jr, Criqui MH.
J Vasc Surg. 2009 Nov;50(5):1049-56. Epub 2009 Jul 22.

PMID: 19628357

www.ncbi.nlm.nih.gov/pubmed/19628357

Peripheral arterial disease in Hispanics: Limitations and approaches to improve detection and management.

Rosero EB, Kane K, Clagett GP, Timaran CH.

J Vasc Surg. 2009 Nov 23.

PMID: 19939610

www.ncbi.nlm.nih.gov/pubmed/19939610

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Multicultural

Ethnicity and risk factors for change in the ankle-brachial index: the Multi-Ethnic Study of Atherosclerosis.

Allison MA, Cushman M, Solomon C, Aboyans V, McDermott MM, Goff DC Jr, Criqui MH.
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J Vasc Surg. 2009 Nov 23.

PMID: 19939610

www.ncbi.nlm.nih.gov/pubmed/19939610

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Other

Effects of lower limb amputation on the mental rotation of feet.

Curtze C, Otten B, Postema K.

Exp Brain Res. 2009 Nov 10.

PMID: 19902193

www.ncbi.nlm.nih.gov/pubmed/19902193

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Outcomes Research

A 25-Year Experience with Hemicorporectomy for Terminal Pelvic Osteomyelitis.

Janis JE, Ahmad J, Lemmon JA, Barnett CC Jr, Morrill KC, McClelland RN.

Plast Reconstr Surg. 2009 Oct;124(4):1165-1176.

PMID: 19935300

www.ncbi.nlm.nih.gov/pubmed/19935300

Effects of mirror feedback on upright stance control in elderly transfemoral amputees.



Hlavackova P, Fristios J, Cuisinier R, Pinsault N, Janura M, Vuillerme N.
Arch Phys Med Rehabil. 2009 Nov;90(11):1960-3.
PMID: 19887224
www.ncbi.nlm.nih.gov/pubmed/19887224

Running-specific prostheses limit ground-force during sprinting.
Grabowski AM, McGowan CP, McDermott WJ, Beale MT, Kram R, Herr HM.
Biol Lett. 2009 Nov 4.
PMID: 19889694
www.ncbi.nlm.nih.gov/pubmed/19889694

Systematic review of the effectiveness of mirror therapy in upper extremity function.
Ezendam D, Bongers RM, Jannink MJ.
Disabil Rehabil. 2009;31(26):2135-49.
PMID: 19903124
www.ncbi.nlm.nih.gov/pubmed/19903124

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Pain

Preamputation Mirror Therapy May Prevent Development of Phantom Limb Pain: A Case Series.
Hanling SR, Wallace SC, Hollenbeck KJ, Belnap BD, Tulis MR.
Anesth Analg. 2009 Nov 16.
PMID: 19917622
www.ncbi.nlm.nih.gov/pubmed/19917622

Preoperative opioid consumption increases morphine requirement after leg amputation.
Roullet S, Nouette-Gaulain K, Biais M, Bernard N, Bénard A, Revel P, Capdevila X, Sztark F.
Can J Anaesth. 2009 Nov 12.
PMID: 19908106
www.ncbi.nlm.nih.gov/pubmed/19908106

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Prosthetics and Orthotics

Apparatus for monitoring load bearing rehabilitation exercises of a transfemoral amputee fitted with an osseointegrated fixation: A proof-of-concept study.
Frossard L, Gow DL, Hagberg K, Cairns N, Contoyannis B, Gray S, Brånemark R, Percy M.
Gait Posture. 2009 Nov 17.
PMID: 19926285
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Incorporating the prosthetic: Traumatic, limb-loss, rehabilitation and refigured military bodies.
Messinger SD.
Disabil Rehabil. 2009;31(25):2130-4.
PMID: 19888835
www.ncbi.nlm.nih.gov/pubmed/19888835


Metabolic Demands of Rock Climbing in Transfemoral Amputees.
Highsmith MJ, Kahle JT, Fox JL, Shaw KL, Quillen WS, Mengelkoch LJ.
Int J Sports Med. 2009 Nov 2.
PMID: 19885774
www.ncbi.nlm.nih.gov/pubmed/19885774

Occupational therapy protocol for amputees with targeted muscle reinnervation. 
Stubblefield KA, Miller LA, Lipschutz RD, Kuiken TA.
J Rehabil Res Dev. 2009;46(4):481-8.
PMID: 19882483
www.ncbi.nlm.nih.gov/pubmed/19882483

Point: Counterpoint "Artificial limbs do / do not make artificial running speeds possible.
Weyand PG, Bundle MW, Kram R, Grabowski AM, McGowan CP, Brown MB, McDermott WJ, Beale MT, Herr HM.
J Appl Physiol. 2009 Nov 5.
www.ncbi.nlm.nih.gov/pubmed/19892926

Prosthesis and wheelchair use in veterans with lower-limb amputation. 
Karmarkar AM, Collins DM, Wichman T, Franklin A, Fitzgerald SG, Dicianno BE, Pasquina PF, Cooper RA.
J Rehabil Res Dev. 2009;46(5):567-76.
PMID: 19882491
www.ncbi.nlm.nih.gov/pubmed/19882491

Running-specific prostheses limit ground-force during sprinting.
Grabowski AM, McGowan CP, McDermott WJ, Beale MT, Kram R, Herr HM.
Biol Lett. 2009 Nov 4.
PMID: 19889694
www.ncbi.nlm.nih.gov/pubmed/19889694

Transtibial amputee joint rotation moments during straight-line walking and a common turning task with and without a torsion adapter. 
Segal AD, Orendurff MS, Czerniecki JM, Shofer JB, Klute GK.
J Rehabil Res Dev. 2009;46(3):375-83.
PMID: 19675989
www.ncbi.nlm.nih.gov/pubmed/19675989

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Psychology/Emotion

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Rehabilitation

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Messinger SD.

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PMID: 19888835

www.ncbi.nlm.nih.gov/pubmed/19888835


Maximizing physical activity in athletes with amputations.

Pepper M, Willick S.

Curr Sports Med Rep. 2009 Nov-Dec;8(6):339-44.

PMID: 19904075

www.ncbi.nlm.nih.gov/pubmed/19904075

Occupational therapy protocol for amputees with targeted muscle reinnervation. 

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Secondary Conditions

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Surgery


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