



SEPTEMBER 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

No applicable listing for this topic.

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Diabetes

Diabetic foot infections: time to change the prognostic concept.

Nielson DL, Ali Y.

J Am Podiatr Med Assoc. 2009 Sep-Oct;99(5):454-8.

PMID: 19767555

www.ncbi.nlm.nih.gov/pubmed/19767555

Prosthetic rehabilitation issues in the diabetic and dysvascular amputee. 

Uustal H.

Phys Med Rehabil Clin N Am. 2009 Nov;20(4):689-703.

PMID: 19781506

www.ncbi.nlm.nih.gov/pubmed/19781506

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Available Topics:

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Dysvascular

Prosthetic rehabilitation issues in the diabetic and dysvascular amputee. 

Uustal H.

Phys Med Rehabil Clin N Am. 2009 Nov;20(4):689-703.

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Racial Disparity in Amputation-Free Survival After Infrainguinal Bypass Procedure: Contribution of Socioeconomic Status. 

Oh-Park M, McGinn A, Lipsitz E, Thomas M, Zonszein J.

Am J Phys Med Rehabil. 2009 Sep 26. [Epub ahead of print]

PMID: 19789426

www.ncbi.nlm.nih.gov/pubmed/19789426

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Multicultural

Disparities in level of amputation among minorities: implications for improved preventative care.

Lefebvre KM, Metraux S.

J Natl Med Assoc. 2009 Jul;101(7):649-55.

PMID: 19634585

<http://www.ncbi.nlm.nih.gov/pubmed/19634585>

Racial Disparity in Amputation-Free Survival After Infrainguinal Bypass Procedure: Contribution of Socioeconomic Status. 

Oh-Park M, McGinn A, Lipsitz E, Thomas M, Zonszein J.

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www.ncbi.nlm.nih.gov/pubmed/19789426

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Other

Disfigured anatomies and imperfect analogies: body integrity identity disorder and the supposed right to self-demanded amputation of healthy body parts.

Patrone D.

J Med Ethics. 2009 Sep;35(9):541-5.

PMID: 19717692

www.ncbi.nlm.nih.gov/pubmed/19717692

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Outcomes Research

Contralateral Stimulation, Using TENS, of Phantom Limb Pain: Two Confirmatory Cases.

Giuffrida O, Simpson L, Halligan PW.

Pain Med. 2009 Sep 25. [Epub ahead of print]

PMID: 19788713

www.ncbi.nlm.nih.gov/pubmed/19788713

Net external energy of the biologic and prosthetic ankle during gait initiation.

Hansen AH, Miff SC, Childress DS, Gard SA, Meier MR.

Gait Posture. 2009 Sep 15. [Epub ahead of print]

PMID: 19762242

www.ncbi.nlm.nih.gov/pubmed/19762242

A New Incision Technique to Reduce Tibiofemoral Mismatch in Rotationplasty.

Ossendorf C, Exner GU, Fuchs B.

Clin Orthop Relat Res. 2009 Sep 15. [Epub ahead of print]

PMID: 19756901

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Spatial filtering improves EMG classification accuracy following targeted muscle reinnervation.

Huang H, Zhou P, Li G, Kuiken T.

Ann Biomed Eng. 2009 Sep;37(9):1849-57. Epub 2009 Jun 13.

PMID: 19526342

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Pain

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PMID: 19788713

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Prosthetics and Orthotics

Adaptive pattern recognition of myoelectric signals: exploration of conceptual framework and practical algorithms.

Sensinger JW, Lock BA, Kuiken TA.

IEEE Trans Neural Syst Rehabil Eng. 2009 Jun;17(3):270-8. Epub 2009 Jun 2.

PMID: 19497834

www.ncbi.nlm.nih.gov/pubmed/19497834

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PMID: 19762242

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A Novel Concept for a Prosthetic Hand With a Bidirectional Interface: A Feasibility Study.

Cipriani C, Antfolk C, Balkenius C, Rosen B, Lundborg G, Sebelius F.

IEEE Trans Biomed Eng. 2009 Sep 15. [Epub ahead of print]

PMID: 19758852

www.ncbi.nlm.nih.gov/pubmed/19758852

Patient-specific analyses of deep tissue loads post transtibial amputation in residual limbs of multiple prosthetic users.

Portnoy S, Siev-Ner I, Shabshin N, Kristal A, Yizhar Z, Gefen A.


J Biomech. 2009 Sep 17. [Epub ahead of print]

PMID: 19766225

www.ncbi.nlm.nih.gov/pubmed/19766225

Pressure characteristics at the stump/socket interface in transtibial amputees using an

adaptive prosthetic foot.
Wolf SI, Alimusaj M, Fradet L, Siegel J, Braatz F.
Clin Biomech (Bristol, Avon). 2009 Sep 8. [Epub ahead of print]
PMID: 19744755
www.ncbi.nlm.nih.gov/pubmed/19744755

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www.ncbi.nlm.nih.gov/pubmed/19526342

A strategy for identifying locomotion modes using surface electromyography.
Huang H, Kuiken TA, Lipschutz RD.
IEEE Trans Biomed Eng. 2009 Jan;56(1):65-73.
PMID: 19224720 [PubMed - indexed for MEDLINE]
<http://www.ncbi.nlm.nih.gov/pubmed/19224720>

Surgical and Morphological Factors that Affect Internal Mechanical Loads in Soft Tissues of the Transtibial Residuum.
Portnoy S, Siev-Ner I, Yizhar Z, Kristal A, Shabshin N, Gefen A.
Ann Biomed Eng. 2009 Sep 19. [Epub ahead of print]
PMID: 19768545
www.ncbi.nlm.nih.gov/pubmed/19768545

Targeted reinnervation for transhumeral amputees: current surgical technique and update on results.
Dumanian GA, Ko JH, O'Shaughnessy KD, Kim PS, Wilson CJ, Kuiken TA.
Plast Reconstr Surg. 2009 Sep;124(3):863-9.
PMID: 19730305
www.ncbi.nlm.nih.gov/pubmed/19730305

Transtibial prosthesis suspension failure during skydiving freefall: a case report.
Gordon AT, Land RM.
Assist Technol. 2009 Spring;21(1):25-7.
PMID: 19719060
www.ncbi.nlm.nih.gov/pubmed/19719060

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Psychology/Emotion

A prospective study of positive adjustment to lower limb amputation.
Unwin J, Kacpersek L, Clarke C.
Clin Rehabil. 2009 Aug 28. [Epub ahead of print]
PMID: 19717504
www.ncbi.nlm.nih.gov/pubmed/19717504

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Rehabilitation

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Secondary Conditions

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Surgery

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Trauma

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