



DECEMBER 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

Pharmacotherapy of diabetic foot osteomyelitis.

Byren I, Peters E, Hoey C, Berendt A, Lipsky B.
Expert Opin Pharmacother. 2009 Dec;10(18):3033-47
PMID: 19954273 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/19954273

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Dysvascular

Cognitive appraisal and perceived benefits of dysvascular lower limb amputation: A longitudinal study.

Couture M, Desrosiers J, Caron CD.
Arch Gerontol Geriatr. 2009 Nov 29. [Epub ahead of print]

Available Topics:

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PMID: 19951823 [PubMed - as supplied by publisher]
www.ncbi.nlm.nih.gov/pubmed/19951823

Impact of comorbidities on decision-making in chronic critical limb ischemia.

Schanzer A.
Semin Vasc Surg. 2009 Dec;22(4):209-15.
PMID: 20006800 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/20006800

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 Dec;88(12):986-94.
PMID: 19789426 [PubMed - indexed for MEDLINE]
<http://www.ncbi.nlm.nih.gov/pubmed/19789426>

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Multicultural

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 Dec;88(12):986-94.
PMID: 19789426 [PubMed - indexed for MEDLINE]
<http://www.ncbi.nlm.nih.gov/pubmed/19789426>

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Other

No applicable listing for this topic.

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Outcomes Research

Cognitive appraisal and perceived benefits of dysvascular lower limb amputation: A longitudinal study.

Couture M, Desrosiers J, Caron CD.
Arch Gerontol Geriatr. 2009 Nov 29. [Epub ahead of print]
PMID: 19951823 [PubMed - as supplied by publisher]
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A Cost-Utility Analysis of Amputation versus Salvage for Gustilo Type IIIB and IIIC Open Tibia I Fractures.

Chung KC, Saddawi-Konefka D, Haase SC, Kaul G.
Plast Reconstr Surg. 2009 Dec;124(6):1965-73
PMID: 19952652 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/19952652

Life habits and prosthetic profile of persons with lower-limb amputation during rehabilitation and at 3-month follow-up.

Zidarov D, Swaine B, Gauthier-Gagnon C.
Arch Phys Med Rehabil. 2009 Nov;90(11):1953-9.
PMID: 19887223 [PubMed - indexed for MEDLINE]
www.ncbi.nlm.nih.gov/pubmed/19887223

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Am J Phys Med Rehabil. 2009 Dec;88(12):986-94.

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Pain

Phantom limb pain treated by far infrared ray.

Huang CY, Yang RS, Kuo TS, Hsu KH.
Conf Proc IEEE Eng Med Biol Soc. 2009;1:1589-91.
PMID: 19964539 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/19964539

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Prosthetics and Orthotics

Advances in Lower-limb Prosthetic Technology.

Laferrier JZ, Gailey R.
Phys Med Rehabil Clin N Am. 2010 Feb;21(1):87-110.
PMID: 19951780 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/19951780

Biomechanical analysis of postural control of persons with transtibial or transfemoral amputation.

Rougier PR, Bergeau J.
Am J Phys Med Rehabil. 2009 Nov;88(11):896-903.
PMID: 19661773 [PubMed - indexed for MEDLINE]
www.ncbi.nlm.nih.gov/pubmed/19661773

Clinical utility of in-socket residual limb volume change measurement: case study results.

Sanders JE, Harrison DS, Allyn KJ, Myers TR.
Prosthet Orthot Int. 2009 Dec;33(4):378-90.
PMID: 19961297 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/19961297

A comparison of foot placement strategies of transtibial amputees and able-bodied subjects during stair ambulation.

Ramstrand N, Nilsson KA.
Prosthet Orthot Int. 2009 Dec;33(4):348-55.
PMID: 19961296 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/19961296

Design and fabrication of a passive-function, cylindrical grasp terminal device.

Highsmith MJ, Carey SL, Koelsch KW, Lusk CP, Maitland ME.
Prosthet Orthot Int. 2009 Dec;33(4):391-8.
PMID: 19961298 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/19961298

The development of a rapid prototyping prosthetic socket coated with a resin layer for transtibial amputees.

Hsu LH, Huang GF, Lu CT, Hong DY, Liu SH.
Prosthet Orthot Int. 2009 Nov 30. [Epub ahead of print]
PMID: 19947824 [PubMed - as supplied by publisher]
www.ncbi.nlm.nih.gov/pubmed/19947824

The effect of ECG interference on pattern-recognition-based myoelectric control for targeted muscle reinnervated patients.

Hargrove L, Zhou P, Englehart K, Kuiken TA.

IEEE Trans Biomed Eng. 2009 Sep;56(9):2197-201.
PMID: 19692302 [PubMed - indexed for MEDLINE]
www.ncbi.nlm.nih.gov/pubmed/19692302

The effects of increased prosthetic ankle motions on the gait of persons with bilateral transtibial amputations.

Su PF, Gard SA, Lipschutz RD, Kuiken TA.
Am J Phys Med Rehabil. 2010 Jan;89(1):34-47.
PMID: 20026945 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/20026945

Life habits and prosthetic profile of persons with lower-limb amputation during rehabilitation and at 3-month follow-up.

Zidarov D, Swaine B, Gauthier-Gagnon C.
Arch Phys Med Rehabil. 2009 Nov;90(11):1953-9.
PMID: 19887223 [PubMed - indexed for MEDLINE]
www.ncbi.nlm.nih.gov/pubmed/19887223

A strategy for minimizing the effect of misclassifications during real time pattern recognition myoelectric control.

Simon AM, Hargrove LJ, Lock BA, Kuiken TA.
Conf Proc IEEE Eng Med Biol Soc. 2009;1:1327-30.
PMID: 19964513 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/19964513

Toward the development of a neural interface for lower limb prosthesis control.

Hargrove LJ, Huang H, Schultz AE, Lock BA, Lipschutz R, Kuiken TA.
Conf Proc IEEE Eng Med Biol Soc. 2009;1:2111-4.
PMID: 19964782 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/19964782

Use of muscle thickness change to control powered prosthesis: A pilot study.

Guo JY, Chen X, Zheng YP.
Conf Proc IEEE Eng Med Biol Soc. 2009;1:193-6.
PMID: 19964207 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/19964207

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Psychology/Emotion

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Rehabilitation

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PMID: 19961296 [PubMed - in process]
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Integrated musculoskeletal rehabilitation care at a comprehensive combat and complex casualty care program.

Goldberg CK, Green B, Moore J, Wyatt M, Boulanger L, Belnap B, Harsch P, Donaldson DS.
J Manipulative Physiol Ther. 2009 Nov-Dec;32(9):781-91.
PMID: 20004807 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/20004807

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Secondary Conditions

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Surgery

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PMID: 19952652 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/19952652

A major metropolitan "field amputation" team: a call to arms ... and legs.

Sharp CF, Mangram AJ, Lorenzo M, Dunn EL.
J Trauma. 2009 Dec;67(6):1158-61.
PMID: 20009661 [PubMed - in process]
<http://www.ncbi.nlm.nih.gov/pubmed/20009661>

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Trauma

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