



AUGUST 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

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Diabetes

No applicable listing for this topic.

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Dysvascular

Do Differences in Hospital and Surgeon Quality Explain Racial Disparities in Lower-Extremity Vascular Amputations?

Regenbogen SE, Gawande AA, Lipsitz SR, Greenberg CC, Jha AK.

Ann Surg. 2009 Jul 31. [Epub ahead of print]

PMID: 19652590 [PubMed - as supplied by publisher]

www.ncbi.nlm.nih.gov/pubmed/19652590

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Multicultural

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Other

Sexual and food preference in apotemnophilia and anorexia: interactions between 'beliefs' and 'needs' regulated by two-way connections between body image and limbic structures.

Ramachandran VS, Brang D, McGeoch PD, Rosar W.


Perception. 2009;38(5):775-7.

PMID: 19662952 [PubMed - in process]

www.ncbi.nlm.nih.gov/pubmed/19662952

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Outcomes Research

Agonist-antagonist active knee prosthesis: a preliminary study in level-ground walking. 

Martinez-Villalpando EC, Herr H.

J Rehabil Res Dev. 2009;46(3):361-73.

PMID: 19675988 [PubMed - in process]

www.ncbi.nlm.nih.gov/pubmed/19675988


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Dynamic interface pressure distributions of two transtibial prosthetic socket concepts. 

Dumbleton T, Buis AW, McFadyen A, McHugh BF, McKay G, Murray KD, Sexton S.

J Rehabil Res Dev. 2009;46(3):405-15.

PMID: 19675992 [PubMed - in process]

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Early delayed amputation: a paradigm shift in the limb-salvage time line for patients with major upper-limb injury. 

Burdette TE, Long SA, Ho O, Demas C, Bell JE, Rosen JM.

J Rehabil Res Dev. 2009;46(3):385-94.

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A new option for amputees: transplantation of the hand. 

Kaufman CL, Blair B, Murphy E, Breidenbach WB.

J Rehabil Res Dev. 2009;46(3):395-404.


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Size reduction using Mirror Visual Feedback (MVF) reduces phantom pain.
Ramachandran VS, Brang D, McGeoch PD.
Neurocase. 2009 Aug 3:1-4. [Epub ahead of print]
PMID: 19657972 [PubMed - as supplied by publisher]
www.ncbi.nlm.nih.gov/pubmed/19657972

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Pain


Chronic pain associated with upper-limb loss. 
Hanley MA, Ehde DM, Jensen M, Czerniecki J, Smith DG, Robinson LR.
Am J Phys Med Rehabil. 2009 Sep;88(9):742-51; quiz 752, 779.
PMID: 19692791 [PubMed - in process]
www.ncbi.nlm.nih.gov/pubmed/19692791


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Prosthetics and Orthotics


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The biomechanics of cycling with a transtibial amputation: Recommendations for prosthetic design and direction for future research. 
Childers WL, Kistenberg RS, Gregor RJ.
Prosthet Orthot Int. 2009 Sep;33(3):256-71.
PMID: 19658015 [PubMed - in process]
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PMID: 19675992 [PubMed - in process]
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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 - in process]
www.ncbi.nlm.nih.gov/pubmed/19692302

Fine detection of grasp force and posture by amputees via surface electromyography.
Castellini C, Gruppioni E, Davalli A, Sandini G.
J Physiol Paris. 2009 Aug 6. [Epub ahead of print]
PMID: 19665563 [PubMed - as supplied by publisher]
www.ncbi.nlm.nih.gov/pubmed/19665563

Introduction to triathlon for the lower limb amputee triathlete. 

Gailey R, Harsch P.

Prosthet Orthot Int. 2009 Sep;33(3):242-55.

PMID: 19658014 [PubMed - in process]

www.ncbi.nlm.nih.gov/pubmed/19658014


Loading applied on prosthetic knee of transfemoral amputee: Comparison of inverse dynamics and direct measurements.

Dumas R, Cheze L, Frossard L.

Gait Posture. 2009 Aug 24. [Epub ahead of print]

PMID: 19709886 [PubMed - as supplied by publisher]

www.ncbi.nlm.nih.gov/pubmed/19709886


Lower-limb amputee needs assessment using multistakeholder focus-group approach. 

Klute GK, Kantor C, Darrouzet C, Wild H, Wilkinson S, Iveljic S, Creasey G.

J Rehabil Res Dev. 2009;46(3):293-304.

PMID: 19675983 [PubMed - in process]

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Lower limb strength in sports-active transtibial amputees. 

Nolan L.

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On the way to total integration of prosthetic pylon with residuum. 

Pitkin M.

J Rehabil Res Dev. 2009;46(3):345-60.

PMID: 19675987 [PubMed - in process]

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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 [PubMed - in process]

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Psychology/Emotion

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Measuring avoidance in medical rehabilitation.

Kortte KB, Veiel L, Batten SV, Wegener ST.


Rehabil Psychol. 2009 Feb;54(1):91-8.

PMID: 19618708 [PubMed - indexed for MEDLINE]


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A new methodology to measure the running biomechanics of amputees. 

Wilson JR, Asfour S, Abdelrahman KZ, Gailey R.
Prosthet Orthot Int. 2009 Sep;33(3):218-29.
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Secondary Conditions

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Ball CG, Rozycki GS, Feliciano DV.

J Trauma. 2009 Aug;67(2):410-2.

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Trauma

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Last updated: 09/28/2009



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