

Prosthetic Limbs Amputees

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Recent Publications on Prosthetic Limbs Amputees:



- [Dynamic interface pressure distributions of two transtibial prosthetic socket concepts.](#)
*In this study, we investigated and compared the dynamic interface pressure...*17th November, 2009
National Centre for Prosthetics and Orthotics, University of Strathclyde,- J Rehabil Res Dev.
2009;46(3):405-15.
- [Transtibial amputee joint rotation moments during straight-line walking and a common turning task with and without a torsion adapter.](#)
*Amputees lack movement and control mechanisms at the foot and ankle that...*17th November, 2009
Center of Excellence for Limb Loss Prevention and Prosthetic Engineering,- J Rehabil Res Dev.
2009;46(3):375-83.
- [One hundred patients treated with osseointegrated transfemoral amputation prostheses--rehabilitation perspective.](#)
*Treatment with osseointegrated transfemoral prostheses has been shown to...*17th November, 2009
Centre of Orthopaedic Osseointegration, Department of Orthopaedics,- J Rehabil Res Dev.
2009;46(3):331-44.
- [Lower-limb amputee needs assessment using multistakeholder focus-group approach.](#)
*To assess the needs of lower-limb amputees and identify differences...*17th November, 2009
Center of Excellence for Limb Loss Prevention and Prosthetic Engineering,- J Rehabil Res Dev.
2009;46(3):293-304.
- [Occupational therapy protocol for amputees with targeted muscle reinnervation.](#)
*Targeted muscle reinnervation (TMR) is a surgical intervention to improve...*3rd November, 2009
Neural Engineering Center for Artificial Limbs, Rehabilitation Institute- J Rehabil Res Dev.
2009;46(4):481-8.
- [Estimation of the knee joint angle from surface electromyographic signals for active control of leg prostheses.](#)
*The surface electromyographic (SEMG) signal is very convenient for...*31st October, 2009
Department of Electrical Engineering, University of Brasilia, Brasilia-DF,- Physiol Meas. 2009
Sep;30(9):931-46. Epub 2009 Aug 6. ([DOI Direct Link](#))
- [Design and development of a new right arm prosthetic kit for a racing cyclist.](#)
*This case report describes a newly developed prosthetic arm for a world...*31st October, 2009
Sherbrooke University, Sherbrooke, Quebec, Canada.- Prosthet Orthot Int. 2009 Sep;33(3):284-91. ([DOI Direct Link](#))
- [Design, fabrication, and preliminary results of a novel below-knee prosthesis for snowboarding: A case](#)

[report.](#)

*Snowboarding with a below-knee prosthesis is compromised by the limited...*31st October, 2009

Delft Institute of Prosthetics and Orthotics, Delft University of- Prosthet Orthot Int. 2009

Sep;33(3):272-83. ([DOI Direct Link](#))

- [The biomechanics of cycling with a transtibial amputation: Recommendations for prosthetic design and direction for future research.](#)

*People with amputations may find cycling advantageous for exercise...*31st October, 2009

School of Applied Physiology, Georgia Institute of Technology, Atlanta,- Prosthet Orthot Int. 2009

Sep;33(3):256-71. ([DOI Direct Link](#))

- [Introduction to triathlon for the lower limb amputee triathlete.](#)

*From the roots of cross training to the rigorous worldwide events...*31st October, 2009

Department of Physical Therapy, University of Miami Miller School of- Prosthet Orthot Int. 2009

Sep;33(3):242-55. ([DOI Direct Link](#))

- [Lower limb strength in sports-active transtibial amputees.](#)

*The aim of this study was to compare hip strength in sports-active...*31st October, 2009

Karolinska Institute and GIH, Biomechanics and Motor Control, Stockholm,- Prosthet Orthot Int. 2009

Sep;33(3):230-41. ([DOI Direct Link](#))

- [A new methodology to measure the running biomechanics of amputees.](#)

*We present a new methodology to measure the running biomechanics of...*31st October, 2009

College of Engineering, University of Miami, Coral Gables, Florida- Prosthet Orthot Int. 2009

Sep;33(3):218-29. ([DOI Direct Link](#))

- [Examination of force discrimination in human upper limb amputees with reinnervated limb sensation following peripheral nerve transfer.](#)

*Artificial limbs allow amputees to manipulate objects, but the loss of a...*25th September, 2009

Neural Engineering Center for Artificial Limbs, Rehabilitation Institute- IEEE Trans Neural Syst Rehabil

Eng. 2009 Oct;17(5):438-44. Epub 2009 Sep ([DOI Direct Link](#))

- [Targeted reinnervation for transhumeral amputees: current surgical technique and update on results.](#)

*BACKGROUND: Targeted reinnervation in upper extremity transhumeral...*24th September, 2009

Division of Plastic Surgery, Northwestern University Feinberg School of- Plast Reconstr Surg. 2009

Sep;124(3):863-9. ([DOI Direct Link](#))

- [Transtibial prosthesis suspension failure during skydiving freefall: a case report.](#)

*This report describes the unusual case of an everyday-use prosthesis...*24th September, 2009

Department of Physical Medicine and Rehabilitation, University of- Assist Technol. 2009

Spring;21(1):25-7.

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