

Artificial Limbs

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Jul;26(3):236-58.
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*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.
- [Point: Counterpoint "Artificial limbs do / do not make artificial running speeds possible.](#)
*N/A for Point: Counterpoint submissions....*7th November, 2009
Southern Methodist University.- *J Appl Physiol.* 2009 Nov 19. ([DOI Direct Link](#))
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*BACKGROUND AND PURPOSE: This case report describes the use of an...*6th November, 2009
Department of Physical Therapy, Missouri State University, Springfield,- *J Neurol Phys Ther.* 2009
Sep;33(3):150-9. ([DOI Direct Link](#))
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*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.
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*This special section of the Journal of Neural Engineering contains eight...*29th October, 2009
Guest Editor Director, Bionic Ear Institute and Professor of Medical- *J Neural Eng.* 2009
Dec;6(6):60201. Epub 2009 Oct 23. ([DOI Direct Link](#))
- [Robotic devices as therapeutic and diagnostic tools for stroke recovery.](#)
*The understanding that recovery of brain function after stroke is...*24th October, 2009
Department of Neurology and Neuroscience, Weill Medical College of Cornell- *Arch Neurol.* 2009
Sep;66(9):1086-90. ([DOI Direct Link](#))
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*This case report describes the very uncommon event of mummification of the...*16th October, 2009
Department of General and Vascular Surgery, Poznan University of Medical- *Vasa.* 2009
Aug;38(3):272-4. ([DOI Direct Link](#))

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Institut fur Geschichte der Medizin, Ernst-Moritz-Arndt-Universitat,- Sudhoffs Arch. 2009;93(1):4-25.
- [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](#))
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Division of Plastic Surgery, Northwestern University Feinberg School of- Plast Reconstr Surg. 2009 Sep;124(3):863-9. ([DOI Direct Link](#))
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*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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Rady Children's Hospital, UCSD San Diego, San Diego, CA 92123, USA.- J Bone Joint Surg Am. 2009 Sep;91(9):2296-310. ([DOI Direct Link](#))
- [The next challenge in prosthetics.](#)
*This report describes the unusual case of an everyday-use prosthesis...*18th September, 2009
OrthoCare Innovations, Seattle, USA.- Rehab Manag. 2009 Jul;22(6):16-7.
- [The effect of ECG interference on pattern-recognition-based myoelectric control for targeted muscle reinnervated patients.](#)
*Targeted muscle reinnervation has been introduced as an effective neural...*21st August, 2009
Neural Engineering Center for Artificial Limbs, Rehabilitation Institute- IEEE Trans Biomed Eng. 2009 Sep;56(9):2197-201. ([DOI Direct Link](#))

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- [Medical News: Oscar Pistorius' Artificial Limbs Give Him Clear, Major Advantage For Sprint Running](#)
BioFind: Nov 19 2009 12:52PM Matching: artificial limbs
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