

Amputees

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Recent Publications on Amputees:



- [\[Reconstructive surgery for Charcot foot : Long-term 5-year outcome.\]](#)
*INTRODUCTION: Diabetic neuropathic osteoarthropathy (DNOAP) often leads to...*19th November, 2009
Klinik für Technische Orthopädie, Universität Münster, Reinerskamp 19,- Orthopädie. 2009 Nov 19. ([DOI Direct Link](#))
- [Multi-subject / daily-life activity EMG-based control of mechanical hands.](#)
*ABSTRACT: BACKGROUND: forearm surface electromyography (EMG) has been in...*19th November, 2009
- J Neuroeng Rehabil. 2009 Nov 17;6(1):41. ([DOI Direct Link](#))
- [First in vivo assessment of "Outwalk": a novel protocol for clinical gait analysis based on inertial and magnetic sensors.](#)
*A protocol named "Outwalk" was recently proposed to measure the...*17th November, 2009
INAIL Protheses Centre, Via Rabuina, 14, 40054, Vigorso di Budrio, BO,- Med Biol Eng Comput. 2009 Nov 13. ([DOI Direct Link](#))
- ['Outwalk': a protocol for clinical gait analysis based on inertial and magnetic sensors.](#)
*A protocol named Outwalk was developed to easily measure the thorax-pelvis...*17th November, 2009
INAIL Protheses Centre, Via Rabuina, 14, 40054, Vigorso di Budrio, BO,- Med Biol Eng Comput. 2009 Nov 13. ([DOI Direct Link](#))
- [Effects of lower limb amputation on the mental rotation of feet.](#)
*What happens to the mental representation of our body when the actual...*11th November, 2009
Department of Rehabilitation Medicine, Center for Rehabilitation,- Exp Brain Res. 2009 Nov 10. ([DOI Direct Link](#))
- [Our experience with modified osteomyoplasty for reamputation of war-related transtibial amputees.](#)
*The aim of this study was to examine the efficacy of the operative method...*7th November, 2009
Institute for Rehabilitation and Orthopaedic Aids, Zagreb University- Mil Med. 2009 Oct;174(10):1118-22.
- [Running-specific prostheses limit ground-force during sprinting.](#)
*Running-specific prostheses (RSP) emulate the spring-like behaviour of...*6th November, 2009
Biomechanics Group, Massachusetts Institute of Technology, , Cambridge,- Biol Lett. 2009 Nov 4. ([DOI Direct Link](#))
- [Effects of mirror feedback on upright stance control in elderly transfemoral amputees.](#)
*OBJECTIVE: To investigate the effects of mirror feedback on upright stance...*6th November, 2009
TIMC-IMAG Laboratory UMR UJF CNRS 5525, University J. Fourier of Grenoble,- Arch Phys Med

- Rehabil. 2009 Nov;90(11):1960-3. ([DOI Direct Link](#))
- [Metabolic Demands of Rock Climbing in Transfemoral Amputees.](#)
*This pilot study compared the energy expenditure required to climb an...*4th November, 2009
University of South Florida, School of Physical Therapy & Rehabilitation- Int J Sports Med. 2009 Nov 2. ([DOI Direct Link](#))
 - [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.
 - [Referral of sensation to an advanced humanoid robotic hand prosthesis.](#)
*Hand prostheses that are currently available on the market are used by...*30th October, 2009
Department of Hand Surgery, Malmo University Hospital, Malmo, Sweden.- Scand J Plast Reconstr Surg Hand Surg. 2009;43(5):260-6.
 - [Interdependence of movement and anatomy persists when amputees learn a physiologically impossible movement of their phantom limb.](#)
*The feeling we have of our own body, sometimes called "body image," is...*28th October, 2009
University of Oxford, Oxford OX1 2JD, United Kingdom.- Proc Natl Acad Sci U S A. 2009 Nov 3;106(44):18798-802. Epub 2009 Oct 26. ([DOI Direct Link](#))
 - [Shared pain: From empathy to synaesthesia.](#)
*This paper reviews the current literature on "empathy for pain", the...*28th October, 2009
Experimental Neuropsychology Research Unit, School of Psychology,- Neurosci Biobehav Rev. 2009 Oct 24. ([DOI Direct Link](#))
 - [Apparatus for monitoring load bearing rehabilitation exercises of a transfemoral amputee fitted with an osseointegrated fixation: A proof-of-concept study.](#)
*The purpose of this proof-of-concept study was to determine the relevance...*22nd April, 2009
School of Engineering Systems, Queensland University of Technology,- Gait Posture. 2009 Nov 17. ([DOI Direct Link](#))
 - [Phantom pain in bilateral upper limb amputation.](#)
*Purpose. To alert health professionals on presence and extent of phantom...*22nd April, 2009
Janbazan Medical and Engineering Research Center (JMERC), Tehran, Iran.- Disabil Rehabil. 2009;31(22):1878-1881. ([DOI Direct Link](#))

BioNews Results for Amputees

- [Can Phantom Bionic Limbs Be Better Than the Real Ones?](#)
MedIndia: Oct 31 2009 1:10PM Matching: amputees
- [Amputees Defy Anatomy, Learn to Move Phantom Limbs](#)
Abstracts in Hematology and Oncology: Oct 27 2009 6:44PM Matching: amputees
- [Amputees Defy Anatomy, Learn to Move Phantom Limbs](#)
Medscape: Oct 27 2009 5:10PM Matching: amputees
- [Bioengineered Muscle-nerve Connection Could Return Sense of Touch to Amputees](#)
DailyTech: Oct 15 2009 2:09PM Matching: amputees
- [\\$750,000 Grant Supports Research and Production of New Gripper for Upper-Extremity Amputees](#)
Yahoo! Canada: Oct 12 2009 4:33PM Matching: amputees

Amputees Clinical Trials:



- [Musculoskeletal Measurements in Transfemoral Amputees](#)

Amputees Patents:



- 7341295- [Prehensor device and improvements of same](#)
- 7419508- [Light prosthesis](#)
- 7423059- [Pharmaceutically active compounds and methods of use](#)
- 7427297- [Prosthetic socket with self-contained vacuum reservoir](#)
- 7429272- [Prosthetic foot with tunable performance](#)
- 7431737- [System and method for motion-controlled foot unit](#)
- 7431738- [Attachment system for prosthesis](#)
- 7434993- [Radiographic cassette holding device](#)
- 7437972- [Apparatus for fastening and loosening a lid from a container](#)
- 7438726- [Ball hand prosthesis](#)
- 7438843- [Method and kit for making prosthetic socket](#)
- 7416565- [Adjustable tension prosthetic ankle rotatory device for lower limb apparatus](#)
- 7410503- [Prosthetic foot with tunable performance](#)
- 7393364- [Electronically controlled prosthetic system](#)
- 7344567- [Immediate postoperative prosthesis](#)
- 7354456- [Foot prosthesis having cushioned ankle](#)
- 7356379- [Method and associated system for recording and retrieving fabrication and/or fitting data associated with a prosthetic component](#)
- 7361197- [Prosthetic hand having a conformal, compliant grip and opposable, functional thumb](#)
- 7363778- [Seamless three-dimensional toe section for prosthetic socks and prosthetic shrinkers](#)
- 7364593- [Prosthetic foot with tunable performance](#)
- 7371262- [Low profile active shock module prosthesis](#)
- 7374578- [Prosthetic foot with tunable performance](#)
- 7377944- [Socket liner incorporating sensors to monitor amputee progress](#)
- 7393335- [Metabolically efficient leg brace](#)
- 7447558- [Apparatus for determining a three dimensional shape of an object](#)
- 7451509- [Enhancer device for enhancing the utility of a user's bed](#)
- 7575561- [Above knee shrinker](#)
- 7578799- [Intelligent orthosis](#)
- 7578852- [Prosthetic foot with tunable performance and improved vertical load/shock absorption](#)
- 7579468- [Methods of modulating neurotrophin-mediated activity](#)
- 7594935- [Prosthetic device contouring and alignment method and apparatus](#)
- 7597017- [Human locomotion simulator](#)

- 7600524- [Mono-Crutch for lower leg disability](#)
- 7603174- [Stimulation of the amygdalohippocampal complex to treat neurological conditions](#)
- 7611543- [Prosthetic foot with tunable performance](#)
- 7613519- [Peripheral nerve stimulation to treat auditory dysfunction](#)
- 7549494- [Transverse mounted mid-engine three wheel vehicle](#)
- 7537573- [Active muscle assistance and resistance device and method](#)
- 7531006- [Sensing system and method for motion-controlled foot unit](#)
- 7455696- [Dynamic seals for a prosthetic knee](#)
- 7470221- [Upper extremity portable exercise machine](#)
- 7473816- [Multilayer moisture management fabric](#)
- 7485152- [Prosthetic leg having electronically controlled prosthetic knee with regenerative braking feature](#)
- 7488349- [Ventilated prosthesis system](#)
- 7500407- [Torque sensor](#)
- 7507259- [Prosthetic foot with tunable performance](#)
- 7520843- [Dual lift apparatus](#)
- 7521449- [4-arylmorpholin-3-one derivatives, their preparation and therapeutic use thereof](#)
- 7527589- [Therapeutic prosthetic device](#)
- 7613520- [Spinal cord stimulation to treat auditory dysfunction](#)

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