
Prosthetic Training Physical Therapy

Atlas of Limb Prosthetics

Lower Extremity Amputation

Amputee Rehabilitation, An Issue of Physical
Medicine and Rehabilitation Clinics of North
America,

Prosthetic Fitting and Training of the Child
Amputee

Prosthetics & Orthotics in Clinical Practice

Orthotics and Prosthetics in Rehabilitation

Leg Amputee; Pre-prosthetic Training

Orthotics and Prosthetics in Rehabilitation

Amputations and Prosthetics

Prosthetic Restoration and Rehabilitation of the
Upper and Lower Extremity

Orthotics and Prosthetics in Rehabilitation - E-
Book

Lower-limb Prosthetics

Manual for Functional Training

Orthotics

Physical Fitness

What is the Most Effective Method for
Establishing Independent Gait in a 51-year-old
Male Status-post Traumatic Below-knee
Amputation in Haiti?

Comprehensive Management of the Upper-Limb
Amputee

Fundamentals of Amputation Care and

Prosthetics
Physical Therapy Management of Lower Extremity
Amputations
A Manual for Occupational Therapists on the
Rehabilitation of Upper Extremity Amputees
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Prosthetics & Orthotics
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Extremity Amputees
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Lower Extremity Amputation
Lower-limb Prosthetics and Orthotics
Therapy for Amputees
Physical therapy for lower-extremity amputees
Prosthetic Training Following a Transfemoral
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MARELIAtlas of Limb
Prosthetics

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Focusing on
the lower
extremities
and spine, this
extensively
illustrated text
presents a
problem-
solving
approach to
the evaluation
and
prescription of
prosthetics
and orthotics
in physical
therapy
interventions.
Prosthetics
and Orthotics
presents the
latest
developments
in materials
and
fabrications,

an in-depth
analysis of
gait deviations
and
interventions,
conditions,
psychosocial
issues,
biomechanics,
and more.
This
invaluable
resource also
includes
pediatric and
geriatric
perspectives,
scientific
literature
supporting
evidence-
based
practice,
exercise and
functional
activities for
the patient,
case studies
following the
APTA's "Guide
to Physical
Therapist

Practice",
critical
thinking
questions, lab
activities and
practical
applications.
**Lower
Extremity
Amputation**
Taylor &
Francis
Entry-level
text for
physical
therapy
students
addresses the
fundamental
concepts
underlying the
selection and
application of
common
prosthetic and
orthotic
devices.
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<p><u>Amputee Rehabilitation, An Issue of Physical Medicine and Rehabilitation Clinics of North America, Aspen Publishers</u> This issue of Physical Medicine and Rehabilitation Clinics of North America is devoted to "Amputee Rehabilitation." Editor Robert Meier, III, MD is the Medical Director of the Amputee Services of America and has assembled the top experts to review this important</p>	<p>topic. Articles in this issue include: Principles of Contemporary Amputee Rehabilitation; Etiology and Demographics of Amputation; Surgical Techniques for Ideal Outcomes; Pre-prosthetic Care; Prosthetic Choices for Leg and Arm Amputees; Devising the Prosthetic Prescription and Typical Examples; Prosthetic Training; Complications Following an Amputation; Outcomes</p>	<p>Measurement; Gait Evaluation for the Leg Amputee; Innovative Techniques and Future Options; Emotional Adaptation to Limb Loss; Pain Management for the Amputee; and Amputation Classification and Functional Outcomes. <u>Prosthetic Fitting and Training of the Child Amputee</u> Elsevier Health Sciences An interdisciplinary team of experts addresses all</p>
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aspects of rehabilitation for amputees, from assessments and psychosocial considerations through evidence-based treatment approaches and more. The New Edition is updated to incorporate the latest advances in this field, and to reflect the fact that amputees now receive rehabilitation therapy in a variety of settings. Prosthetics & Orthotics in Clinical Practice

SLACK Incorporated
Systematic approach to evaluating patients, planning realistic outcomes, managing prostheses training, and much more.
Orthotics and Prosthetics in Rehabilitation
n Amer Academy of Orthopaedic
A case-based text, now with terminology consistent with the APTA's Guide to Physical Therapist Practice, uses a holistic approach to

the management of individuals with amputations. Concise yet comprehensive, it discusses traumatic amputations, juvenile amputees, and the management of individuals with peripheral vascular diseases. The 2nd Edition reviews the latest technological advances in prosthetic fabrication and provides information on relevant websites. Leg Amputee; Pre-prosthetic

<p><u>Training</u> Demos Medical Publishing Whether you are a student or a clinician, if you work with patients with neuromuscula r and musculoskelet al impairments, you will find this text supplies a strong foundation in and appreciation for the field of orthotics and prosthetics that will give you the critical skills you need when working with this unique client</p>	<p>population. <u>Orthotics and Prosthetics in Rehabilitation</u> American Academy of Orthopaedic Surgeons ABSTRACT: Background: In January of 2010, an estimated 300,000 people were injured as a result of a devastating earthquake in the developing country of Haiti. The Haitian government estimated that the natural disaster left 6,000 to 8,000 individuals with lost digits or limbs. One</p>	<p>of these individuals became trapped under rubble and sustained a compound fracture of his right tibia and fibula. The fracture became infected. As a result, in March of 2010, he underwent a below-knee amputation (BKA) to his right lower extremity. This research study reviewed the literature to determine the most effective method for establishing independent gait in a 51-</p>
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<p>year-old male status-post traumatic below-knee amputation in Haiti. Method: The search process was conducted for information related to rehabilitation directed towards establishing independent gait in a patient with a BKA from an under-developed country. Articles were included in our selection if they met the following criteria: subjects underwent a BKA or transtibial</p>	<p>amputation (TTA); the subject age range was 18-65 years; and the article addressed an outcome related to gait and/or functional mobility. Articles were excluded if they were: written in a non-English language; addressed only bilateral amputations; contained only amputations due diabetes, PAD, infection, or tumor; included a non-experimental design; and/or they addressed</p>	<p>only a type of prosthetic and not a PT or rehabilitation intervention. Databases used for our research include PubMed, MEDLINE, PEDro, TRIP, Cochrane, and CINAHL. The search that was conducted was initiated on November 14, 2010, and was concluded on April 3, 2012. Overall, 133 articles were selected for initial review. 116 of these articles were discarded due to inclusion/exclu</p>
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sion criteria and applicability. 17 were selected for more detailed review, and from these, six articles were selected to appraise. Results: Four of the six appraised articles were selected for final review that met the inclusion criteria: one cross sectional design, one single group pre-test post-test design, and two quasi-experimental designs. These articles represent a total sample of 107

patients in total. Discussion/Conclusion: First and foremost, we acknowledge the fact that much more research needs to be completed on the topic of rehabilitation in developing countries. Haitians face many more obstacles in rehabilitation than do individuals in the United States. Further analysis of rehabilitation obstacles, such as resources, terrain, and sanitation need to be

further addressed in literature so that the treatment provided to these individuals will produce better outcomes. It is evident that the rehabilitation in the United States differs from that in a developing nation such as Haiti. The primary course of treatment for our patient would focus on therapeutic exercise, prosthetic fitting, gait training, functional training, and

psychological group support. Incorporating this type of treatment into the patient's care is easily achieved and the setting in which the interventions are applied is negligible. A high level of rehabilitation must be achieved to allow full functioning within an environment containing steep, mountainous terrain and treacherous, unpaved streets.

Amputations and Prosthetics
Lippincott

Williams & Wilkins
The primary initial effort in every case of disease or injury should be to save the extremity. Amputation is seldom necessary following bone and joint injuries. More often, it is an admission of defeat in the medical management of the patient with vascular disease. In such cases, it should be performed only as a last resort. The longest possible lever arm, consistent

with primary healing, should be maintained for maximum proprioceptive and kinesthetic feedback and thus rehabilitation potential.
Prosthetic Restoration and Rehabilitation of the Upper and Lower Extremity
Butterworth-Heinemann
A systematic approach to prosthetic gait training which includes a variety of methods for teaching amputees to weightshift, maintain

prosthetic control and utilize the pelvis & trunk correctly during walking.

Orthotics and Prosthetics in Rehabilitation - E-Book

Elsevier Health Sciences
This is the only comprehensive guide to the surgery, prosthetic fitting, and rehabilitation of individuals sustaining an arm amputation. It incorporates the major advances in prosthetics

and rehabilitation that have occurred in recent years, and will improve the quality of service and the outcomes for those who sustain an arm amputation. Sections deal with the surgical aspects of arm amputation, the comprehensive management of the arm amputee, prosthetic restoration following arm amputation, the special concerns of upper

extremity amputation in children, and clinical outcomes. The incidence, demographics, and functional outcomes are quite different from those of lower limb amputees. The arm amputee is most commonly a young man who sustains a traumatic injury, most often to his right, dominant arm. Because the incidence of arm amputation is low compared to that of the lower extremity,

relatively few health professionals have much experience in providing surgery, therapy, rehabilitation, prosthetic care, or counseling for a significant number of arm amputees. This book is the definitive text for these individuals. The prosthetic field, including its allied healthcare team, takes on a formidable task in restoring physical capabilities to the upper

extremity amputee. This feat cannot be accomplished solely using modern technology, and technology is not always the central issue. Optimal rehabilitation requires an underlying commitment in many essential areas of care: for one, sensitivity to the desires, anxieties and fears of the individual with amputation. Although the prosthetic practitioner has at his or her disposal more

technology than ever before, restoring integral function for the amputee involves still more than mechanical application. Interdisciplinary, cooperative efforts in research, development, and treatment between prosthetic practitioners and other constituents of the allied healthcare team is paramount. The rehabilitation process must focus not only on the

provision and use of a prosthesis, but also on issues related to surgical procedures, self-determination and pain management. To this end, **Functional Restoration of Adults and Children with Upper Extremity Amputation** provides the definitive guide for all surgeons, prosthetists, and rehabilitation professionals who work with upper limb amputees.

Lower-limb Prosthetics

Orthotics and Prosthetics in Rehabilitation
This resource addresses all aspects of combat amputee care ranging from surgical techniques to long-term care, polytrauma and comorbidities such as traumatic brain injury and burns, pain management, psychological issues, physical and occupational therapy, VA benefits, prosthetics and adaptive technologies, sports and

recreational opportunities, and return to duty and vocational rehabilitation.

Manual for Functional Training W.B. Saunders Company
Orthotics: A Comprehensive Clinical Approach is an innovative and comprehensive new text that provides essential information about contemporary orthoses to guide the student and clinician in prescribing and utilizing these appliances in

neuromuscular, musculoskeletal, and integumentary rehabilitation. Written by recognized authorities in the field, Joan Edelstein, MA, PT, FISPO and Jan Bruckner, PhD, PT, this is a prime resource for practitioners and clinicians. Individual chapters cover orthoses for the foot, ankle, knee, hip, trunk, neck, shoulder, elbow, wrist, and hand. Orthoses for patients with paraplegia, burns, and

soft tissue contractures are detailed and illustrated. Prescription guidelines, evaluation techniques, goal setting, and training procedures are presented. Each chapter has interesting thought questions and case studies to promote clinical reasoning and problem-solving skills. A unique feature of this text is the inclusion of a point-counterpoint discussion to demonstrate

how clinicians can manage the same patient in different ways. This approach inspires broader thinking about clinical management. *Orthotics* F. A. Davis Company Presents the major advances in the field since the last edition in 1992. New chapters cover amputee care in wartime, the role of the Krukenberg procedure in developing countries, the rise of the

amputee consumer movement, and the rapidly expanding role of sports and recreation for amputees, as well as the more controversial topics of osseointegration and transplantation. The major influence of orthopaedic surgeons in the development of both amputation surgery and prosthetics is noted in the greatly expanded chapter on the history of these fields. A

chapter on absence of the lumbar spine and sacrum has been added, as well as a chapter on surgical revision. National Academies Press This volume is a comprehensive overview of lower-limb prosthetics and orthotics, covering normal and pathological gait, lower-limb biomechanics, clinical applications, as well as prosthetic and orthotic designs and components.

Clinical management is incorporated throughout the text, including basic surgical concepts, postoperative management, preprosthetic care, and training in the use of devices. Additionally, this text incorporates unique features relevant to physicians such as prescription writing and prosthetic and orthotic construction and modification, as well as the

latest research regarding energy consumption and long-term utilization of prostheses. *Physical Fitness Demos Medical* Written by experienced physiatrists, prosthetists, and therapists, this book provides an introduction to the field of amputee care and prosthetics. Dedicated chapters guide you through prescription of prostheses for the various levels and

types of amputations in both the lower and upper extremity and address recent advances in functionality and safety. Pre- and post-operative care, prosthetic troubleshooting, gait issues and medical management of the residual limb are also addressed. With concise key information highlighted throughout, this handbook is a welcome point of care resource or study tool for

trainees and practitioners in any field who work with amputees to restore function and help enrich the lives of these individuals. *Fundamentals of Amputation Care and Prosthetics* features: Concise, practical manual; covers the basics of upper and lower extremity amputee care and prosthetics Succinct presentation, well-illustrated; information is

<p>easy to find Portable; perfect for use on rounds or in the clinic State-of-the- art distillation of current thinking and practice; excellent transitional book for residents or ready reference for experienced practitioners <u>What is the Most Effective Method for Establishing Independent Gait in a 51- year-old Male Status-post Traumatic Below-knee Amputation in Haiti?</u> Prentice Hall Ce livre offre</p>	<p>les fondements de la compréhensio n de l'importance du conditionnem ent physique et des manières qu'une personne amputée peut être se remettre en forme en adaptant leurs prothèses au programme d'entraînemen t ou alors en suivant un programme de remise en forme sans leur prothèse. Différents niveaux d'amputations sont couverts ainsi que des</p>	<p>ajustements aux exercices. <i>Comprehensiv e Management of the Upper- Limb Amputee</i> F.A. Davis The U.S. Census Bureau has reported that 56.7 million Americans had some type of disability in 2010, which represents 18.7 percent of the civilian noninstitution alized population included in the 2010 Survey of Income and Program Participation. The U.S. Social Security Administration</p>
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(SSA) provides disability benefits through the Social Security Disability Insurance (SSDI) program and the Supplemental Security Income (SSI) program. As of December 2015, approximately 11 million individuals were SSDI beneficiaries, and about 8 million were SSI beneficiaries. SSA currently considers assistive devices in the nonmedical and medical areas of its program guidelines. During determination of substantial gainful activity and income eligibility for SSI benefits, the reasonable cost of items, devices, or services applicants need to enable them to work with their impairment is subtracted from eligible earnings, even if those items or services are used for activities of daily living in addition to work. In addition, SSA considers assistive devices in its medical disability determination process and assessment of work capacity. The Promise of Assistive Technology to Enhance Activity and Work Participation provides an analysis of selected assistive products and technologies, including wheeled and seated mobility devices, upper-extremity prostheses, and products and

technologies selected by the committee that pertain to hearing and to communication and speech in adults.

Fundamentals of Amputation Care and Prosthetics

Demos

Medical

Publishing

A clinical focus with unfolding case studies, stimulating questions, and an outstanding art program of 550

photographs and line illustrations

make important concepts easy to understand and apply.

You'll also find a discussion, unique to this text, of the pathology of what necessitates amputations and why you would choose one prosthetic/orthotic over another.

Physical Therapy Management of Lower Extremity Amputations

Elsevier

Health

Sciences

Prosthetic

Restoration

and

Rehabilitation

of the Upper

and Lower

Extremity is a

well-

illustrated,

state-of-the-art reference on the science and practice of post-amputation care, prosthetic restoration, and functional rehabilitation, designed to maximize patient independence and quality of life. Chapters are written by physiatrists, prosthetists, surgeons, and therapists at the University of Michigan, clinicians and teachers who work with amputees on a daily basis. Clinically oriented, it covers both

lower and upper extremity restoration and rehabilitation and serves as a handy reference for busy practitioners to support sound clinical decision-making. Beginning with basic anatomy, kinesiology, and a recap of surgical decisions principles and post-operative care for amputees, the book discusses biomechanics, clinical assessment, prosthetic

options, how to write a complete and detailed prescription for the prosthesis, restoration and management of specific problems by region, and rehabilitation programs and strategies. Common medical issues such as phantom limb sensation and pain, skin problems, and sexual and psychological considerations are discussed as well. In-depth coverage of prosthetic restoration is

provided for special populations such as infants, children, the elderly, athletes multi-extremity amputees, and those who have lost limbs to cancer. Chapters are written in expanded outline format for ease of use and feature numerous full-color diagrams, photos, and other illustrations. This text will guide physicians, trainees, and other members of

<p>the care team through the fundamentals of restoring function to individuals who have lost limbs or body parts. Key Features: Provides a state-of-the-art, accessible, clinical approach to post-amputation care, prosthetic restoration, and functional rehabilitation Covers both upper and</p>	<p>lower extremities Addresses prostheses for special populations and sports and recreation Includes boxed clinical pearls at the start of each chapter, illustrated quick reference tables, and full-color photos throughout Supports clinical decision making and addresses practical</p>	<p>questions and problems Advises on new requirements for Medicare and Medicaid patients, and includes patient education materials and sample prescription forms that can be customized for use in any clinic Outlines important information for returning to the community after amputation</p>
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