

Atlas Of Amputations And Limb Deficiencies

Atlas of Amputations & Limb Deficiencies, 4th edition
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Atlas of Amputations and Limb Deficiencies, 4th Edition: Print + Ebook
Lower Limb Amputation
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Fundamentals of Amputation Care and Prosthetics
Limb Amputation
Prosthetic Restoration and Rehabilitation of the Upper and Lower Extremity
Care of the Combat Amputee
Amputations and Prosthetics
Amputation, Prosthesis Use, and Phantom Limb Pain
Comprehensive Management of the Upper-Limb Amputee
Amputation
Lower-Limb Prosthetics and Orthotics
Limb Amputation
J. Ivan Krajbich, MD Joseph Ivan Krajbich Joseph Ivan Krajbich Douglas G. Smith Joseph Ivan Krajbich Dr. Adrian Cristian, MD Adrian Cristian M. D. Joseph Ivan Krajbich Joseph Ivan Krajbich Gloria T. Sanders Douglas Murphy R. Ham Alicia Davis United States. Department of the Army. Office of the Surgeon General Bella J. May Craig Murray Diane J. Atkins G Murdoch Joan Edelstein R. Ham

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the leading and definitive reference on the surgical and prosthetic management of acquired and congenital limb loss the fourth edition of the atlas of amputations and limb deficiencies is written by recognized experts in the fields of amputation surgery rehabilitation and prosthetics

now in one convenient volume atlas of amputations and limb deficiencies surgical prosthetic and rehabilitation principles fifth edition remains the definitive reference on the surgical and prosthetic management of acquired and congenital limb loss developed in partnership with the american academy of orthopaedic surgeons aaos and edited by joseph ivan krajbich md frcs c michael s pinzur md faaos col benjamin k potter md faaos facs and phillip m stevens med cpo faaop it discusses the most recent advances and future developments in prosthetic technology with in depth treatment and management recommendations for adult and pediatric conditions with coverage of every aspect of this complex field from recognized experts in amputation surgery rehabilitation and prosthetics it is an invaluable resource for surgeons physicians prosthetists physiatrists therapists and all others with an interest in this field

this new edition of the atlas of amputations and limb deficiencies is written by recognized experts in the fields of amputation surgery rehabilitation and prosthetics discover the best in contemporary thinking the most recent advances and future developments in prosthetic technology with in depth treatment and management recommendations for adult and pediatric conditions this text is a valuable guide and treatment overview for surgeons physicians prosthetists physiatrists therapists and those with an interest in this field use this expanded and completely updated resource to help you and your treatment team understand and select the best current approaches for your patients publisher s website

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

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limb loss can occur due to trauma infection diabetes vascular disease cancer and other diseases lower limb amputation is relatively common and has a profound impact on a person s life regardless of the cause feelings of loss and grief difficulties in learning to walk with an artificial limb and readjustment to an interrupted life all pose considerable challenges nevertheless there are countless stories of people who have successfully overcome these problems this book provides the practical knowledge needed to cope with the life changes caused by lower limb amputation it demystifies the medical process and technical jargon by using plain easily understandable language and it is the first book to combine medical prosthetic and psychosocial factors in one convenient volume including causes of lower limb amputation especially diabetes and ways to prevent further amputation surgical techniques for lower limb amputation learning to walk with a prosthesis the unique challenges faced by children and elderly people living with an amputation exercising and sports with a lower limb prosthesis and much more the outlook of this book is ultimately an optimistic one well informed knowledgeable individuals with amputations are better able to take care of themselves and are more effective self advocates this book gives them the tools they need to forge a productive satisfying and high quality life

limb loss can occur due to trauma infection diabetes vascular disease cancer and other diseases regardless of the cause it often has a profound impact on a person s life many amputees experience feelings of loss and grief frustration in learning to walk with an artificial limb and difficulty adjusting to a new and challenging lifestyle this book provides the practical knowledge needed to cope with the many changes caused by lower limb amputation in clear accessible language it covers the medical physical and psychosocial issues and answers crucial questions such as how do i cope emotionally with the loss of a limb what steps can i take to prevent additional amputations how do i treat and care for my post surgery wound what are the best prostheses for my particular needs can i play sports and exercise with a prosthesis and much more this unique resource aims to educate those with lower limb amputation so that they can better care for themselves and maximize their independence the practical advice tips and extensive references within its pages will help individuals meet the challenges of leading full

and fruitful lives

this new edition of the atlas of amputations and limb deficiencies is written by recognized experts in the fields of amputation surgery rehabilitation and prosthetics discover the best in contemporary thinking the most recent advances and future developments in prosthetic technology with in depth treatment and management recommendations for adult and pediatric conditions hundreds of new illustrations photographs and images give you insights into the many advances and high tech surgical techniques and prosthetic solutions support your difficult decisions on amputation versus limb salvage including treatment management and alternatives for all levels of limb loss this print edition consists of three volumes volume 1 general topics upper limb volume 2 lower limb management issues and volume 3 pediatrics

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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

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 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

the majority of amputations in the western world today are due to vascular disease despite the advances in surgical treatment of this disease particularly by reconstruction it is a sad fact that the number of amputations performed in these countries each year for vascular disease is increasing most of these amputees are elderly and their life expectancy is short so it is important that the treatment and rehabilitation that they receive is informed appropriate efficient and swift to enable them to return successfully to life in the community for their remaining years management of this group of patients has proved to be successful only if a multidisciplinary team approach is adopted until recently in the uk this approach sadly has only been implemented by a few centres however with the publication of the mcoll report into the prosthetic and wheelchair service in 1986 interest in the care of the amputee is growing throughout the country this book covers all aspects of amputation from disease and diagnosis to rehabilitation and community discharge with emphasis on the management of the largest group the vascular lower limb amputee a team approach is described and emphasized as being essential for good results and subsequent successful return into the community the role of each of the important disciplines is described in relation to the appropriate part of the rehabilitation phase

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 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 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 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

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

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

the main objective in the rehabilitation of people following amputation is to restore or improve their functioning which includes their return to work full time employment leads to beneficial health effects and being healthy leads to increased chances of full time employment ross and mirowskay 1995 employment of disabled people enhances their self esteem and reduces social isolation dougherty 1999 the importance of returning to work for people following amputation the fore has to be considered perhaps the first article about reemployment and problems people may have at work after amputation was published in 1955 boynton 1955 in later years there have been sporadic studies on this topic greater interest and more studies about returning to work and problems people have at work following amputation arose in the 1990s and has continued in recent years

burger and marinc ek 2007 these studies were conducted in different countries on all the five continents the greatest number being carried out in europe mainly in the netherlands and the uk burger and marinc ek 2007 owing to the different functions of our lower and upper limbs people with lower limb amputations have different activity limitations and participation restrictions compared to people with upper limb amputations both have problems with driving and carrying objects people with lower limb amputations also have problems standing walking running kicking turning and stamping whereas people with upper limb amputations have problems grasping lifting pushing pulling writing typing and pounding giridhar et al 2001

each year in the united states an estimated 40 000 persons lose a limb of these amputees approximately 30 lose a hand or an arm this loss is most frequently related to trauma occurring in the healthy young adult male and is often work related approximately 3 of all amputees are born with congenital limb absence in children the ratio of congenital to acquired amputation is 2 1 and the ratio of upper limb to lower limb amputees is 1 2 1 therefore since relatively few amputations result in upper limb loss only a small number of health practitioners even those specializing in amputee rehabilitation have the opportunity to provide services for a significant number of arm amputees as a result clinicians need to share their experiences so that the full range of options for optimum care and rehabilitation of the patient population may be considered to meet this challenge for wider communication of clinical experience a group of upper limb amputee specialists met in houston texas in 1981 to serve as the core faculty for a course entitled contemporary issues in upper extremity amputation and prosthetic function this program provided the opportunity for surgeons physiatrists engineers prosthetists social workers psychologists occupational therapists and physical therapists from the united states and canada to discuss their extensive experience in working with upper extremity amputees a second conference continuing the discussion of upper limb amputee rehabilitation was held one year later

amputation surgical practice and patient management provides a complete text for good surgical technique for amputation and sensible management of amputees the editors have brought together a team in association with the international society of prosthetics and orthotics of internationally respected surgeons orthotists and prosthetists to produce a book aimed at the promotion of good amputation practice throughout the world written for general orthopaedic and vascular surgeons amputation surgical practice and patient management provides good advice on how to avoid amputation where at all possible where no alternative exists the surgical techniques for all types of amputation in the upper and lower limbs are described clearly along with relevant biomechanics and prosthetics

lower limb prosthetics and orthotics clinical concepts 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 joan edelstein and alex moroz have written lower limb prosthetics and orthotics with the clinician's perspective in mind 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 chapters include orthotics in neuromuscular diseases orthotics in pediatrics functional expectations gait and activities training transtibial and transfemoral prostheses and components transtibial and transfemoral biomechanics evaluation and gait analysis disarticulations and bilateral amputations with over 150 line drawings and photographs to supplement the text lower limb prosthetics and orthotics clinical concepts is ideal for clinicians in the fields of physical medicine and rehabilitation orthopedics vascular surgery physical therapy and occupational therapy

concise guide to surgical procedures team approach to rehabilitation psychosocial aspects prosthetic services

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