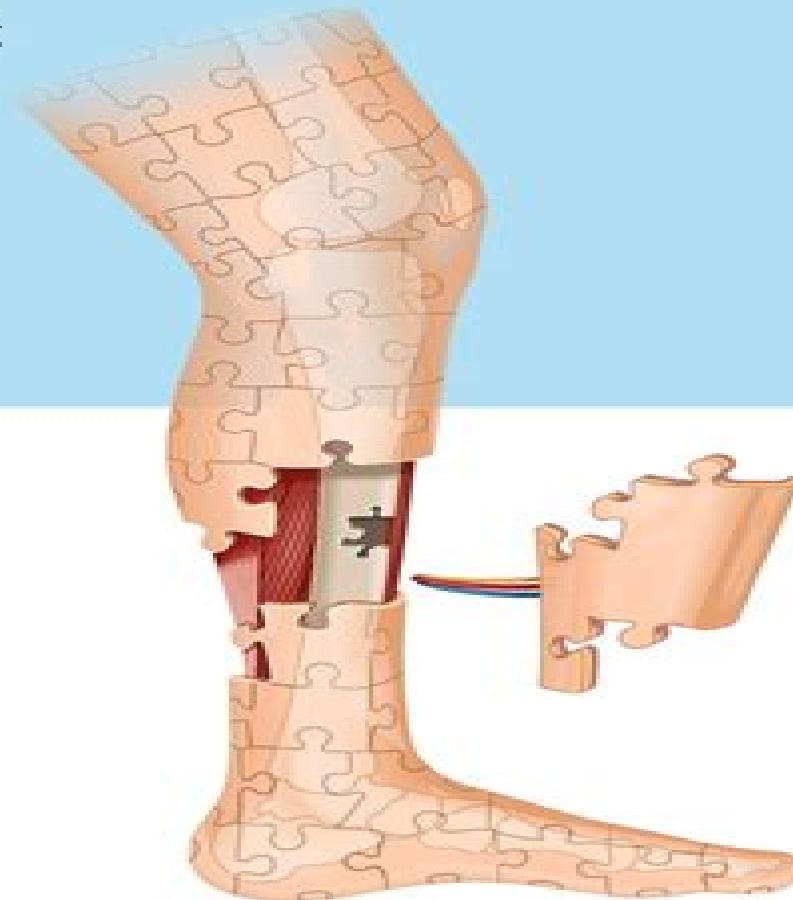


# Lower Extremity Reconstruction

A Practical Guide

Joon Pio Hong  
Geoffrey G. Hallock



# Lower Extremity Reconstruction

**Luca Saba, Warren M. Rozen, Alberto  
Alonso-Burgos, Diego Ribuffo**

## **Lower Extremity Reconstruction:**

**Contemporary Approach to Lower Extremity Reconstruction, An Issue of Clinics in Plastic Surgery, E-Book** Lee L.Q. Pu,2021-03-10 This issue Clinics in Plastic Surgery guest edited by Dr Lee L Q Pu is dedicated to Contemporary Approach to Lower Extremity Reconstruction Topics in this issue include but are not limited to locoregional flaps free flaps propeller flaps perforator plus flaps local free style perforator flaps free style free perforator flaps anterolateral thigh perforator flap superficial circumflex iliac artery perforator flap medial sural artery perforator flap optimal timing of traumatic lower extremity reconstruction management of Gustilo Type IIIC injuries orthoplastic approach functional restoration lower extremity reconstruction after soft tissue sarcoma resection super microsurgery free tissue transfers to lower extremity and lower extremity reconstruction for limb salvage     **Lower Extremity Reconstruction** Joon Pio

Hong,Geoffrey G. Hallock,2020-12-05 The state of the art guide to lower extremity reconstruction from international experts I loved witnessing two generations of surgeons working together to capture it all origin evolution and progress state of the art and the future in one beautifully crafted and exciting book This is no doubt a must read and must have book from the Foreword by Fu Chan Wei MD Adequate evaluation of lower limb wounds for salvage requires an itemized assessment of vascular osseous soft tissue and functional deficits Lower Extremity Reconstruction A Practical Guide by renowned reconstructive surgeons and perforator flap masters J P Hong and Geoffrey G Hallock presents an orthoplastic approach to this growing and challenging area of microsurgery Throughout the well illustrated text and videos an impressive cadre of international surgeons share pearls and insights including esoteric knowledge and step by step demonstration of techniques with pertinent case examples This unique guide presents a practical visual and stepwise approach to learning and mastering a full array of flap and microsurgery approaches for traumatic dysvascular metabolic and oncologic lower limb defects Organized into 26 topic specific chapters the book covers a full spectrum of lower extremity topics from wound prep timing closure alternatives and therapy to soft tissue tumors and a new concept in drop foot treatment Numerous videos demonstrate how surgeons can leverage workhorse options to prevent chronic non healing wounds or amputations and achieve the goal of limb salvage Key Highlights Lower extremity soft tissue reconstruction techniques using local muscle and perforator workhorse flaps Bone salvage and restoration techniques including vascularized bone grafts Diabetic foot management with in depth discussion of the SCIP flap and perforator to perforator concept Rationale for partial and subtotal foot amputation 27 videos and more than 600 illustrations enhance understanding of microsurgical interventions With insights from top microsurgeons on how to achieve the best outcomes for patients with lower limb defects this is a must have resource for plastic and orthopaedic surgeons especially specialists who treat patients at trauma centers     **Handbook of Lower Extremity Reconstruction** Scott T. Hollenbeck,Peter B. Arnold,Dennis P. Orgill,2020-04-01 This focused concise book offers an in depth analysis of lower extremity reconstruction alongside region specific photos and illustrations As an

anatomical atlas it seeks to aid the visual learner in showcasing the key steps in setting up and raising the flap for a given defect Organized into two sections opening chapters are arranged by general location focusing specifically on the lower limb Each general location of a wound is accompanied by an examination of relevant anatomy including blood supply nerve supply arc of rotation of the tissue and local flap options Following a description of the anatomy subsequent paragraphs explain the application of relevant local flap options Section two incorporates flap demonstration and application into each chapter offering a more detailed description true and specific to each anatomical site of the technique Supplemented by high quality images and figures Handbook of Lower Extremity Reconstruction Clinical Case Based Review and Flap Atlas is an invaluable reference for practicing plastic and orthopedic surgeons and residents in training

### **Lower Extremity Reconstruction**

Joon Pio Hong,2021    **Lower Extremity Trauma** Milton B. Armstrong,2006-11-02 With an abundance of case studies from Jackson Memorial Hospital this reference provides expert guidance on the evaluation and treatment of lower extremity orthopedic injuries Analyzing the function and interrelationships of the muscular and skeletal systems of the lower extremities this source discloses key principles in trauma management deci

### **Plastic and Reconstructive Surgery** Maria

Z. Siemionow,Marita Eisenmann-Klein,2010-01-13 Due to the multidisciplinary approach presentation of the basic plastic surgery knowledge with adjustment to new technologies the book targets not only plastic surgeons but also hand microsurgeons hand and neck specialists and breast surgeons It will be of great interest to young surgeons in training for fast comprehensive overview of plastic surgery when preparing for board exams as well as envision the future of new surgical technologies and make the decision on their sub specialty choice

### *Lower Extremity Reconstruction* John B.

McCaw,Phillip G. Arnold,1987-01-01 Starting a repti    **Grabb's Encyclopedia of Flaps** Berish Strauch,Luis O. Vasconez, M.d.,Elizabeth J. Hall-Findlay,Bernard T. Lee,2009 Now in its thoroughly updated Third Edition this classic work is the most comprehensive reference ever published on surgical flaps for reconstructing defects in the torso pelvis and lower extremities In clearly organized chapters internationally recognized surgeons describe and illustrate every clinically proven flap option available for repairing every routine and unusual defect Complementing the text are hundreds of clinical photographs and diagrams of anatomy blood supply flap design and operative procedures The book is extensively indexed and organized by anatomic region and chapters follow a uniform format that clearly presents all the information needed on each flap The Third Edition features new chapters by the original experts who have made landmark contributions to the recent literature Many chapters from the previous edition have been completely revised Wherever appropriate the editors have added editorial comments to guide the reader in selection of flaps

### **Comprehensive Atlas of Upper and Lower Extremity**

**Reconstruction** Efstatios Karamanos,Bao-Quynh Julian,Douglas T. Cromack,2021-08-28 This book is a first of its kind unique atlas that synthesizes a full review of both upper and lower extremity reconstructive options in one text While there are books that concentrate on local soft tissue coverage and other books that discuss all types of free flaps this book features

a full scope and provides the full spectrum of reconstructive options It features high quality pictures and made just for this text illustrations created by reconstructive surgeons with intimate knowledge of the procedures This atlas includes a detailed description of each flap and presents high quality pictures and graphics explaining relevant anatomy Each chapter offers case presentations accompanied by explanations that describe why doctors select specific reconstructive options this guides the readers on how to discern which flap to choose in which situation Comprehensive Atlas of Upper and Lower Extremity From Primary Closure to Free Tissue Transfer offers a comprehensive tool for plastic surgeons orthopedic surgeons and some general surgeons who perform simple soft tissue coverage     *Contemporary Approach to Lower Extremity Reconstruction, an Issue of Clinics in Plastic Surgery, Volume 48-2* Lee L. Q. Pu,2021-04-28 This issue Clinics in Plastic Surgery guest edited by Dr Lee L Q Pu is dedicated to Contemporary Approach to Lower Extremity Reconstruction Topics in this issue include but are not limited to locoregional flaps free flaps propeller flaps perforator plus flaps local free style perforator flaps free style free perforator flaps anterolateral thigh perforator flap superficial circumflex iliac artery perforator flap medial sural artery perforator flap optimal timing of traumatic lower extremity reconstruction management of Gustilo Type IIIC injuries orthoplastic approach functional restoration lower extremity reconstruction after soft tissue sarcoma resection super microsurgery free tissue transfers to lower extremity and lower extremity reconstruction for limb salvage

Advances in Upper and Lower Extremity Microvascular Reconstructions Frédéric Schuind,2002 Advances made in microsurgical techniques during the last three decades have dramatically improved the treatment of complex limb injuries such as a closed fracture covered by healthy tissue and a complex open fracture of the tibia Microvascular transfers from the foot have revolutionized the treatment of digital amputations and vascularized bone transfers are used in various indications The microvascular techniques are still evolving Many imaginative new flaps are being proposed to meet precisely the functional requirements of the various defects Alternative anastomotic techniques are being investigated and the no flow phenomenon has been extensively studied Allotransplantation may be feasible in the future This unique book is a result of the exchange of ideas among clinicians of various specialties noted for their innovations and basic researchers involved with the problems of microvascular reconstruction of upper and lower extremities While most of the chapters are invited contributions some are based on presentations made during an international symposium held in Brussels Belgium in 1997

**Current Concepts on Lower Extremity Reconstruction** Salvatore D'Arpa,Francesco Moschella,2017     *Lower Extremity Complex Trauma and Complications, An Issue of Clinics in Podiatric Medicine and Surgery* John J. Stapleton,2014-11-22 Lower Extremity Complex Trauma and Complications An Issue of Clinics in Podiatric Medicine and Surgery     Current Therapy of Trauma and Surgical Critical Care - E-Book Juan A. Asensio,Wayne J. Meredith,2023-03-18 Drawing on the experience and knowledge of master world renowned trauma surgeons Current Therapy of Trauma and Surgical Critical Care 3rd Edition offers a comprehensive summary of optimal treatment and post operative management of traumatic injuries Ideally suited for

everyday use this practical concise reference highlights the most important aspects of urgent surgical care from damage control to noninvasive techniques to chemical and biological injuries A focus on the surgical techniques required to manage even the most complex injuries makes it both an excellent resource for quick review before entering the operating room and a valuable review tool for board certification or recertification Covers the entire spectrum of Trauma Surgery and Surgical Critical Care from initial evaluation military and civilian field and trauma center evaluation and resuscitation to diagnosis operative and postoperative critical care and outcomes in nearly 100 print and 39 online exclusive chapters all newly streamlined to emphasize frontline procedural treatment Features extensive new data and updates to Cardiac Thoracic Vascular and Military Surgery chapters plus numerous new intraoperative photographs and high quality line drawings that highlight the most important aspects of urgent surgical care Contains 14 new chapters including Innovations in Trauma Surgery Simulation Air Evacuation and Critical Care in Military Casualties REBOA Indications and Controversies Penetrating Extracranial Vertebral Artery Penetrating Arterio Venous Fistulas The Genomics of Profound Shock and Trauma ECMO and newer strategies such as nerve blocks for pain management to combat the opioid epidemic Incorporates a wealth of military knowledge from both recent and past military conflicts as well as from asymmetric warfare many of the authors and co authors have extensive past and present military experience Uses a consistent easy to follow chapter format throughout for quick and easy reference and review Reviews the essential principles of diagnosis and treatment as well as the specifics of surgical therapy making it useful for surgeons across all specialties Integrates evidence based practice guidelines into the text whenever possible as well as comprehensive utilization of the American Association for the Surgery of Trauma Organ Injury Scales AAST OIS Contains such a wealth of operative photographs and line drawings both in the printed version and many more in the electronic version that it could be considered an Atlas of Trauma Surgery An eBook version is included with purchase The eBook allows you to access all of the text figures and references with the ability to search customize your content make notes and highlights and have content read aloud

Plastic Surgeon: 6 Volume Set - E-Book Peter C. Neligan, 2023-09-25 Comprehensive and fully up to date Dr Peter Neligan's six volume masterwork Plastic Surgery 5th Edition remains the gold standard text in this complex area of surgery Completely revised to meet the demands of both the trainee and experienced surgeon it features new full color clinical photos procedural videos and lectures across all six volumes Bonus material online includes additional text images and over 200 procedural videos that help you improve your mastery of the latest techniques Easily find the answers you need with an organization that features separate volumes covering Principles Aesthetic Craniofacial Head and Neck Surgery and Pediatric Plastic Surgery Lower Extremity Trunk and Burns Breast and Hand and Upper Extremity Each easily readable individual volume is a standalone comprehensive text full of salient and applicable anatomy and techniques Key procedures include gender affirmation management and surgery microsurgery and surgery for lymphedema aesthetic facial surgery aesthetic body surgery and the education training and

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**Regenerative Medicine and Plastic Surgery** Dominik Duscher,Melvin A.

Shiffman,2019-11-26 This book discusses the current research concepts and the emerging technologies in the field of stem cells and tissue engineering It is the first authoritative reference documenting all the ways that plastic surgical practice and regenerative medicine science overlap or provide a road map for the future of both specialties The Editors have provided a valuable service by gathering in one place the leading voices in these two fields in clear and concise manner Divided into five parts the book opens with a description of the elements of regenerative medicine including definitions basic principles of soft and bone tissue regeneration biomaterials and scaffolds Current research concepts are explored in the second part of this book for example mechanotransduction and the utility of extracellular vesicles In the third part the editors present the emerging technologies and highlight the novel perspectives on bionic reconstruction and biomimetics in surgery and regenerative medicine Part four deals with translational aspects including practical information on moving scientific findings from bench to bedside The final part then describes in detail applications in clinical plastic surgery Written by leading experts this book is an invaluable resource for researchers students beginners and experienced clinicians in a range of specialties In your hands is a comprehensive encyclopedia of two rapidly converging fields Drs Duscher and Shiffman have done an outstanding job of highlighting the interdependent relationship between plastic surgery and regenerative medicine Ultimately this is to the benefit of both fields Geoffrey C Gurtner MD FACS Johnson and Johnson Distinguished Professor of Surgery Professor by courtesy of Bioengineering and Materials Science Inaugural Vice Chairman of Surgery for Innovation Stanford University School of Medicine

**Reconstructing the War Injured Patient** Ghassan Soleiman Abu-Sittah,Jamal

J. Hoballah,Joseph Bakhach,2017-07-24 This text provides a comprehensive and state of the art approach to reconstruction of the war injured patient tailored to the types of injuries and patients mostly encountered from the Arab region over the past few years at the American University of Beirut Medical Center one of the largest tertiary care and referral centers in the area and its affiliated hospitals The book discusses in detail evidence of literature new research data and new perspectives about the management and reconstruction of all types of injuries ophthalmic head and neck upper and lower limb bone and soft tissue trauma trunk visceral and urogenital injuries as well as vascular and central and peripheral nerve injuries It also highlights the social burden of these injuries as well as the importance of rehabilitation and psychological support for the war

injured The most recent findings of the change in the microbiology of these wounds and their treatment modifications are also discussed Reconstructing the War Injured Patient will serve as a valuable resource for surgeons clinicians and researchers dealing with and interested in the multiple facets of current war casualty care all the way from the battlefields to the long term chronic rehabilitation It includes concise yet comprehensive overviews of the current status of the war casualty patient reconstruction domain It will help guide patient management based on evidence from literature clinical and surgical experience and ongoing research It will also help stimulate investigative efforts in this dynamic and active field of war medicine

**Plastic Surgery E-Book: 6 - Volume Set** Peter C. Neligan,2012-09-15 Fully updated to meet the demands of the 21st century surgeon Plastic Surgery provides you with all the most current knowledge and techniques across your entire field allowing you to offer every patient the best possible outcome Edited by Drs Mathes and Hentz in its last edition this six volume plastic surgery reference now features new expert leadership a new organization new online features and a vast collection of new information delivering all the state of the art know how you need to overcome any challenge you may face Renowned authorities provide evidence based guidance to help you make the best clinical decisions get the best results from each procedure avoid complications and exceed your patients expectations Consult this title on your favorite e reader conduct rapid searches and adjust font sizes for optimal readability Compatible with Kindle nook and other popular devices Apply the very latest advances in every area of plastic surgery and ensure optimal outcomes with evidence based advice from a diverse collection of world leading authorities Master the latest on stem cell therapy tissue engineering and inductive therapies aesthetic surgical techniques and nonsurgical treatments conjoined twin separation and other craniofacial surgery advances microsurgical lymphatic reconstruction super microsurgery and sternal fixation autologous lipofilling of the breast nerve transfers in hand surgery hand allotransplantation and functional prosthetics and much much more Easily find the answers you need with a new organization that features separate volumes covering Principles Aesthetic Craniofacial Head and Neck Surgery Lower Extremity Trunk and Burns Breast and Hand and Upper Extremity plus a more templated user friendly high yield presentation Visualize procedures more clearly through an abundance of completely redrawn full color illustrations and new color clinical photographs Access the complete fully searchable contents of each volume online download all the tables and figures view 160 procedural videos and take advantage of additional content and images at [www.expertconsult.com](http://www.expertconsult.com)

*Imaging for Plastic Surgery* Luca Saba,Warren M. Rozen,Alberto Alonso-Burgos,Diego Ribuffo,2018-10-09 Preoperative imaging is increasingly being adopted for preoperative planning in plastic and reconstructive surgery Accurate preoperative analysis can reduce the length of operations and maximize surgical design and dissection techniques Imaging for Plastic Surgery covers the techniques applications and potentialities of medical imaging technology in plastic and reconstructive surgery Presenting state of the art research on evolving imaging modalities this cutting edge text Provides a practical introduction to imaging modalities that can be used during preoperative planning

Addresses imaging principles of the face head neck breast trunk and extremities Identifies the strengths and weaknesses of all available imaging modalities Demonstrates the added value of imaging in different clinical scenarios Comprised of contributions from world class experts in the field Imaging for Plastic Surgery is an essential imaging resource for surgeons radiologists and patient care professionals

**Orthopaedic Knowledge Update®: Trauma** William M. Ricci, Samir Mehta, 2021-11-16 Developed in partnership with the American Academy of Orthopaedic Surgeons AAOS and edited by William M Ricci MD FAAOS and Samir Mehta MD FAAOS Orthopaedic Knowledge Update Trauma 6 brings together relevant knowledge and new breakthroughs in orthopaedic trauma treatment and management from the most recent 5 years of orthopaedic and subspecialty literature as well as core knowledge from previous years

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