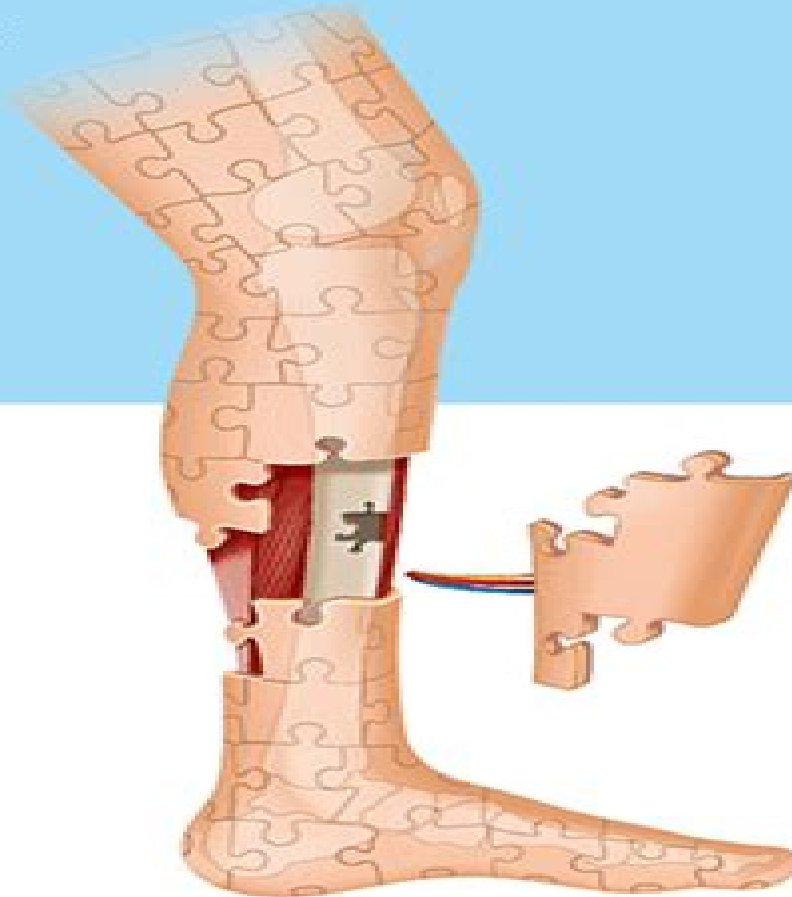


# Lower Extremity Reconstruction

A Practical Guide

Joon Pio Hong  
Geoffrey G. Hallock



# Lower Extremity Reconstruction

**John B. McCaw, Phillip G. Arnold**



## **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

*Lower Extremity Reconstruction* Joon Pio Hong, 2021

**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

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**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 *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

Lower Extremity Reconstruction Bilse Ince, 2026-03-04 From the moment the injured patient enters the emergency room up to composite tissue transplantation this volume provides a complete guide to the management and reconstruction of lower extremity trauma It includes every technique from the simplest intervention to the most complex flaps from nerve transfers to replantation with a wealth of original high quality figures and drawings The reader will be able to find a solution regardless of the early or late phase of the trauma in the patient and evaluate the best solution to preserve function while achieving the best aesthetic end results This interdisciplinary carefully built work covers all tissue reconstruction possibilities in lower extremities including vessel nerve tendon bone and joints all examined through the combined lens of plastic surgery and surgical orthopedics Readers will find detailed coverage of anatomy pathology techniques for repair restoration regeneration as well as rehabilitation

strategies Against this background Lower Extremity Reconstruction From Simple to Complex is an ideal guide to the latest treatment modalities that will appeal to all plastic surgeons orthopedics traumatologists nurses and related emergency professionals who wish to learn more about indications goals procedures and expected outcomes

**Lower Extremity Salvage and Reconstruction** Michael J. Yaremchuk, Andrew R. Burgess, Robert J. Brumback, 1989 **Comprehensive Atlas of Upper and Lower Extremity Reconstruction** Efsthathios 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

Orthoplastic techniques for lower extremity reconstruction Part 1, An Issue of Clinics in Podiatric Medicine and Surgery, E-Book Edgardo R. Rodriguez-Collazo, Suhail Masadeh, 2020-10-15 Guest edited by Dr Edgardo Rodriguez Collazo this issue of Clinics in Podiatric Medicine and Surgery Part 1 will cover several key areas of interest related to Orthoplastic techniques for lower extremity reconstruction This issue is one of four selected each year by our series Consulting Editor Dr Thomas Chang Articles in this issue include but are not limited to Gastrocnemius flap for coverage of proximal Third of the leg Hemisoleus flap for coverage of the middle Third of the Leg Distally Based Hemisoleus for coverage of the distal third of the leg Posterior tibial artery Adipofascial flap for coverage of the distal third of the leg Peroneal artery fasciocutaneous flap for Coverage of the distal leg and hindfoot Reverse sural Adipofascial flap for coverage of the hindfoot Medial plantar artery flap for coverage of the weight bearing surface of the heel Intrinsic muscle flaps of the foot for coverage of small defects of the foot Dorsal first Metatarsal artery fasciocutaneous flap Understanding the arterial anatomy and dermal perfusion of the foot with clinical applications Digital fillet flap for coverage of forefoot ulcers and Tendon balancing for the management of pedal ulcerations among others

Current Concepts on Lower Extremity Reconstruction Salvatore D'Arpa, Francesco Moschella, 2017 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

*Orthoplastic techniques for lower extremity reconstruction - Part II, An Issue of Clinics in Podiatric Medicine and Surgery, E-Book* Edgardo R. Rodriguez-Collazo, Suhail Masadeh, 2020-11-30 Guest edited by Drs Edgardo R Rodriguez Collazo and Suhail Masadeh this issue of Clinics in Podiatric Medicine and Surgery is Part II of the Editors two part issue on Orthoplastic techniques for lower extremity reconstruction This issue is one of four selected each year by our series Consulting Editor Dr Thomas Chang Articles in this issue include but are not limited to The Role of Bone Marrow Aspirate in Osseous and Soft Tissue Pathology Reconstructive Pedal Amputation A Surgical Approach to Location Specific Neuropathic Foot Ulceration A Novel Technique of External Fixation For Immediate Post Operative Ambulation And Protection Of Soft Tissue Reconstructions Classification and Management of stump neuroma Treatment Protocol for Peripheral Nerve Dysfunction of the Lower Extremity A Systematic Approach Targeted Muscle Reinnervation for the Management of Drop Foot Membrane induced technique for the management of combine soft tissue and osseous defects Management of Osseous Defects in the Tibia and Vascularized fibula free and fibular medialization for the management of bone defects

*Operative Techniques in Lower Limb Reconstruction and Amputation* Gordon Lee, 2019-04-23 Part of the best selling Operative Techniques series Operative Techniques in Plastic Surgery provides superbly illustrated authoritative guidance on operative techniques along with a thorough understanding of how to select the best procedure how to avoid complications and what outcomes to expect This stand alone book offers focused easy to follow coverage of lower limb reconstruction and amputation all taken directly from the larger text It covers nearly all plastic surgery operations for these specific areas that are in current use and is ideal for residents and physicians in daily practice

**Orthoplastic Techniques for Lower Extremity Reconstruction - Part II, an Issue of Clinics in Podiatric Medicine and Surgery** Edgardo R. Rodriguez-Collazo, Suhail Masadeh, 2021-01-28 Guest edited by Drs Edgardo R Rodriguez Collazo and Suhail Masadeh this issue of Clinics in Podiatric Medicine and Surgery is Part II of the Editors two part issue on Orthoplastic techniques for lower extremity reconstruction This issue is one of four selected each year by our series Consulting Editor Dr Thomas Chang Articles in this issue include but are not limited to The Role of Bone Marrow Aspirate in Osseous and Soft Tissue Pathology Reconstructive Pedal Amputation A Surgical Approach to Location Specific Neuropathic Foot Ulceration A Novel Technique of External Fixation For Immediate Post Operative Ambulation And Protection Of Soft Tissue Reconstructions Classification and Management of stump neuroma Treatment Protocol for Peripheral Nerve Dysfunction of the Lower Extremity A

Systematic Approach Targeted Muscle Reinnervation for the Management of Drop Foot Membrane induced technique for the management of combine soft tissue and osseous defects Management of Osseous Defects in the Tibia and Vascularized fibula free and fibular medialization for the management of bone defects      *Reconstructive Surgery of the Lower Extremity* Lee Pu, Jamie Levine, Fu-Chan Wei, 2013-04-30 This volume represents the state of the art in reconstructive surgery of the lower extremity The editors are assisted by more than 30 well known experts from major centers in the United States Asia and Europe each revealing new and refined techniques for lower extremity reconstruction This comprehensive two volume set is a book you will refer to repeatedly as you plan the best strategy for dealing with difficult reconstructive problems of the lower extremity Filled with clinical information it will help you address both routine and complex cases ensuring the best functional as well as aesthetic result Divided into four parts Reconstructive Surgery of the Lower Extremity begins by summarizing the general principles evaluation and management of each type of injury in the lower extremity as well as the clinical outcome and psychosocial impact of the lower extremity trauma The second part primarily focuses on soft tissue reconstruction Twenty one commonly used local and free flaps are presented step by step in each chapter One of these flaps the free anterolateral thigh skin perforator flap has become a workhorse in many centers and is well described by both American and Asian authors Several other perforator flaps and free style flaps are also included The third part primarily focuses on bone and joint reconstruction and management of nonunion while the fourth part focuses on specialized considerations in lower extremity reconstruction Beautifully Illustrated The educational value of this two volume work is enhanced by the superb medical illustrations that grace its pages The high quality artwork depicts the step by step surgical technique for each of the operations that are described Two DVDs with Video Two DVDs with operative videos further demonstrate techniques you will learn      Reconstructive Plastic Surgery: The lower extremity, the trunk, the genitourinary tract John Marquis Converse, Joseph G. McCarthy, J. William Littler, 1977      *Lower Extremity Vascular Disease* Kenneth Ouriel, 1995 A comprehensive discussion of vascular problems in the lower extremity including evaluation and management of surgical and non surgical procedures The text begins with an examination of the general principles of arterial and venous hemodynamics and continues with current positions on issues such as thrombosis and thrombolysis aneurysms and aneurysm repair and arterial and venous occlusive diseases      Surgical Treatment of Orthopaedic Trauma James P. Stannard, Andrew H. Schmidt, 2011-01-01 Winner of First Prize in Orthopaedics and Rheumatology at the 2008 British Medical Association Medical Book Competition Winner of Association of American Publishers Best Book in Clinical Medicine 2007 This landmark multimedia reference presents the most current information on surgical treatments of a wide range of injuries from complex pelvic and spinal trauma to periarticular fractures and knee dislocations For each injury the authors guide the reader from the clinical evaluation through the decision making process and to the surgical procedure Each chapter provides a thorough review of surgical anatomy streamlined discussion of the classification of the injury the non operative treatments available

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