

# List of Chapter Contributors

The editor would also like to acknowledge and offer grateful thanks for the input of all previous editions' contributors, without whom this new edition would not have been possible.

## **Reza Ahmadzadeh MD, FRCSC**

Assistant Professor  
Division of Plastic Surgery  
Department of Surgery  
Dalhousie University  
Halifax, Nova Scotia, Canada

*Ch 2 Classification of Flaps*

## **Robert J. Allen Sr MD**

Clinical Professor in Plastic Surgery  
NYU Langone Medical Center  
New York, NY, USA

*Ch 58 Superior and Inferior Gluteal Artery Perforator Flaps*

## **Hatem Amer MD, FASN, FAST**

Associate Professor of Medicine  
Medical Director Essam and Dalal Obaid  
Center for Reconstructive Transplant Surgery  
Mayo Clinic  
Rochester, MN, USA

*Ch 63 Starting a Reconstructive Transplantation Program*

## **Claudio Angrigiani MD**

Chief, Plastic Surgery  
Hospital Santojanni  
Buenos Aires, Argentina

*Ch 40 Scapular and Parascapular Flaps*

## **Christopher E. Attinger MD**

Chief, Wound Healing Center  
Interim Chairman  
Department of Plastic Surgery  
Professor of Plastic and Orthopedic Surgery  
Georgetown University Hospital  
Washington, DC, USA

*Ch 48 Local Flaps in the Foot*

## **Robert D. Bains FRCS(Plast)**

Consultant  
Department of Plastic and Reconstructive Surgery  
Leeds General Infirmary  
Leeds, UK

*Ch 49 Gracilis Flap*

## **Karim Bakri MBBS**

Assistant Professor of Plastic Surgery  
Associate Program Director Plastic Surgery  
Division of Plastic Surgery  
Mayo Clinic  
Rochester, MN, USA

*Ch 12 Clinical Anatomy and Recipient Vessel Selection in the Upper Extremity*

## **Jonathan Bank MD**

Associate Plastic Surgeon  
New York Breast Reconstruction Associates  
Great Neck, NY, USA

*Ch 28 Flap Re-exploration and Salvage*

## **Marina Barandun MD**

Consultant  
Plastic, Reconstructive, Aesthetic and Hand Surgery  
University Hospital Basel, Switzerland

*Ch 36 Omentum, Superior Epigastric, and External/Internal Oblique Flaps*

## **Jacques Baudet MD**

Professor of Plastic Surgery  
Service de Chirurgie Plastique  
Hôpital du Tondu  
Bordeaux, France

*Ch 51 Soleus Flap*

## **Donald P. Baumann MD, FACS**

Associate Professor  
Department of Plastic and Reconstructive Surgery  
The University of Texas MD Anderson Cancer Center  
Houston, TX, USA

*Ch 18 Abdominal Wall Reconstruction*

## **Jens U. Berli MD**

Assistant Professor  
Division of Plastic Surgery  
Department of Surgery  
Oregon Health Science University  
Portland, OR, USA

*Ch 19 Pelvic and Urogenital Reconstruction*

## **Phillip N. Blondeel MD, PhD, FCCP**

Professor of Plastic, Reconstructive and Aesthetic Surgery  
Department of Plastic Surgery  
University Hospital Gent  
Gent, Belgium

*Ch 57 Deep and Superficial Inferior Epigastric Artery Perforator Flaps*

**Gerald Brandacher MD**

Scientific Director  
Plastic and Reconstructive Surgery  
Johns Hopkins University School of Medicine  
Baltimore, MD, USA  
*Ch 65 Hand and Upper Extremity Transplantation*

**P. Niclas Broer MD**

Klinikum Bogenhausen  
Department of Plastic, Reconstructive, Hand, and Burn Surgery  
Academic Teaching Hospital Technical University Munich  
Munich, Germany  
*Ch 23 Functional Muscle Transfers for Various Purposes*

**James S. Brown BDS, LRCP, MRCS, FDSRCS, FRCS, MD**

Oral and Maxillofacial Surgery  
Aintree University Hospital  
Liverpool, UK  
*Ch 42 Iliac Flap*

**Gregory M. Buncke MD**

Director  
The Buncke Clinic  
San Francisco, CA, USA  
*Ch 53 Glabrous Skin Flaps*

**Rudolf F. Buntic MD**

Fellowship Director  
The Buncke Clinic  
San Francisco, CA, USA  
*Ch 53 Glabrous Skin Flaps*

**Heinz Bürger MD**

Head of the Hand Surgical Department  
Privat Clinic Maria Hilf  
Klagenfurt, Austria  
*Ch 55 Medial Femoral Condyle and Descending Genicular Artery Perforator Flaps*

**Charles E. Butler MD, FACS**

Chairman and Professor  
Department of Plastic and Reconstructive Surgery  
The University of Texas MD Anderson Cancer Center  
Houston, TX, USA  
*Ch 18 Abdominal Wall Reconstruction*

**Philippe Caix MD**

Professor of Anatomy  
Department of Maxillofacial Surgery  
Hôpital Pellegrin-Tondu  
Bordeaux, France  
*Ch 51 Soleus Flap*

**Vincent Casoli MD**

Professor of Anatomy  
Department of Plastic and Hand Surgery  
Hôpital Pellegrin-Tondu  
Bordeaux, France  
*Ch 51 Soleus Flap*

**J.R. Castro MD**

Resident  
Beth Israel Medical Center  
New York, NY, USA  
*Ch 35 Deltopectoral Flaps and Internal Mammary Artery Perforator Flap*

**Rajiv Chandawarkar MD**

Associate Professor of Plastic Surgery  
Department of Plastic Surgery  
The Ohio State University  
Columbus, OH, USA  
*Ch 30 Reconstructive Options Following Flap Failure*

**Hung-Chi Chen MD, PhD, FACS**

Director, International Medical Service Center of China Medical University Hospital  
Professor, Department of Plastic Surgery, China Medical University  
Taichung, Taiwan  
*Ch 38 Jejunum Flap*

**Harvey Chim MD**

Assistant Professor in Plastic Surgery  
Division of Plastic Surgery  
University of Miami Miller School of Medicine  
Miami, FL, USA  
*Ch 52 Fibula Flap*  
*Ch 59 Anterolateral and Anteromedial Thigh Flaps*

**David Chwei-Chin Chuang MD**

Professor  
Department of Plastic Surgery  
Chang Gung Memorial Hospital, Chang Gung University  
Taipei, Taiwan  
*Ch 21 Adult Brachial Plexus Injury (A-BPI) Reconstruction*

**O. Koray Coşkunfirat MD**

Department of Plastic and Reconstructive Surgery  
Akdeniz University Hospital  
Antalya, Turkey  
*Ch 60 Tensor Fascia Lata Flap*

**Joseph H. Dayan MD**

Co-director, Lymphatic Surgery & Research Program  
Memorial Sloan Kettering Cancer Center  
New York, NY, USA  
*Ch 8 Lymphedema: Microsurgical Reconstruction*

**Wiesława De Pawlikowski MD, FACS**

Head of Microsurgery Unit  
Plastic Surgery  
Instituto Nacional De Salud Del Niño  
Director of International Scientific Cooperation Office  
Lima  
Lima, Peru  
*Ch 51 Soleus Flap*

**Margot Den Hondt MD**

Resident Plastic Surgery  
Plastic & Reconstructive Surgery Department  
University Hospitals Leuven  
Leuven, Belgium  
*Ch 6 Tissue Engineering*

**Kazuteru Doi MD**

President  
Department of Orthopedic Surgery  
Ogori Daiichi General Hospital  
Ogori, Yamaguchi, Japan  
*Ch 24 Nerves*

**Ulf Dornseifer MD**

Principal Investigator  
Department of Plastic, Reconstructive, Hand and Burn  
Surgery  
Academic Hospital Bogenhausen  
Munich, Germany  
*Ch 46 Lateral Arm Flap*

**Gregory R.D. Evans MD**

Professor of Surgery  
Chair, Department of Plastic Surgery  
Department of Plastic Surgery  
University of California Irvine  
Orange, CA, USA  
*Ch 29 Postoperative Care*

**Karen Kim Evans MD**

Associate Professor  
Plastic Surgery  
Georgetown University Medical Center  
Washington, DC, USA  
*Ch 27 Avoiding Complications*  
*Ch 38 Jejunum Flap*  
*Ch 48 Local Flaps in the Foot*

**Kenneth L. Fan MD**

Resident Physician  
Department of Plastic Surgery  
Medstar Georgetown University Hospital  
Washington, DC, USA  
*Ch 27 Avoiding Complications*

**Frank Fang MD**

Microsurgery Fellow  
Department of Plastic and Reconstructive Surgery  
Chang Gung Memorial Hospital  
Linkou, Taiwan  
*Ch 22 Lower Extremity Reconstruction*

**Félix J. Fariás MD**

Professor of Plastic Surgery  
Hospital Nacional Daniel Alcides Carrión  
Callao, Peru  
*Ch 51 Soleus Flap*

**Marcus Castro Ferreira MD**

Professor of Plastic Surgery  
University of São Paulo Medical School  
São Paulo, Brazil  
*Ch 37 Rectus Abdominis Flap*

**Mark Fisher MD**

Johns Hopkins University School of Medicine  
Baltimore, MD, USA  
*Ch 14 Head and Neck Reconstruction*

**Joshua Fosnot MD**

Assistant Professor of Surgery  
Division of Plastic Surgery  
The University of Pennsylvania Health System  
Philadelphia, PA, USA  
*Ch 11 Clinical Anatomy and Recipient Vessel Selection in the Chest, Abdomen, Groin, and Back*

**Neal D. Futran MD, DMD**

Professor and Chair, Director of Head and Neck Surgery  
Otolaryngology-HNS  
University of Washington  
Seattle, WA, USA  
*Ch 39 Trapezius Flap*

**Alain R. Gagnon MD, CM, FRCSC**

Assistant Clinical Professor  
Division of Plastic and Reconstructive Surgery  
University of Montreal  
Montreal, Quebec, Canada  
*Ch 57 Deep and Superficial Inferior Epigastric Artery Perforator Flaps*

**Günter Germann MD, PhD**

Professor of Plastic Surgery  
ETHANUM Clinic for Plastic, Reconstructive and  
Aesthetic Surgery at Heidelberg University  
Heidelberg, Germany  
*Ch 41 Latissimus Dorsi Flap*

**Bahar Bassiri Gharb MD**

Craniofacial Fellow  
Plastic Surgery  
Cleveland Clinic  
Cleveland, OH, USA  
*Ch 67 Immunology and Research in Reconstructive Transplantation*

**Lawrence J. Gottlieb MD, FACS**

Professor of Surgery  
Director of Burn & Complex Wound Center  
Section of Plastic and Reconstructive Surgery  
Department of Surgery  
The University of Chicago Medicine & Biological Sciences  
Chicago, IL, USA  
*Ch 28 Flap Re-exploration and Salvage*

**Lifei Guo MD PhD**

Associate Professor of Surgery  
Chief, Department of Plastic Surgery  
Lahey Hospital and Medical Center  
Burlington, MA, USA  
*Ch 5 Prefabrication and Prelamination*

**Franz Haas MD**

Division of Plastic Surgery  
Department of Surgery  
Karl-Franzens University  
Graz, Austria  
*Ch 39 Trapezius Flap*

### Geoffrey G. Hallock MD

Consultant  
Plastic Surgery  
Sacred Heart Hospital  
Allentown, PA, USA

*Ch 2 Classification of Flaps*

*Ch 3 Considerations in Flap Selection*

### Moustapha Hamdi MD, PhD

Chairman and Professor of the Plastic and Reconstructive  
Surgery Department  
Brussels University Hospital  
Vrije Universiteit Brussel, VUB  
Brussels, Belgium

*Ch 44 Gluteus Flap*

### Kevin D. Han MD

Department of Plastic Surgery  
Center for Wound Healing  
Georgetown University Hospital  
Washington, DC, USA

*Ch 48 Local Flaps in the Foot*

### Matthew M. Hanasono MD

Professor  
Department of Plastic Surgery  
The University of Texas MD Anderson Cancer Center  
Houston, TX, USA

*Ch 4 Emerging Technology in Reconstructive Surgery*

*Ch 40 Scapular and Parascapular Flaps*

### James P. Higgins MD

Chief  
The Curtis National Hand Center  
MedStar Union Memorial Hospital  
Baltimore, MD, USA

*Ch 45 Pedicled Flaps of the Hand*

### Elliot Hirsch MD

Resident  
Surgery, Division of Plastic Surgery  
Northwestern University, Feinberg School of Medicine  
Chicago, IL, USA

*Ch 31 Local Flaps of the Head and Neck: Forehead, FAMM,*

*Submental, Nasolabial and Cervicofacial Flaps*

### Stefan O.P. Hofer MD, PhD, FRCS(C)

Wharton Chair in Reconstructive Plastic Surgery Professor  
of Surgery  
University of Toronto  
Chief, Division of Plastic Surgery  
Department of Surgery and Department of Surgical  
Oncology  
University Health Network  
Toronto, Ontario, Canada

*Ch 36 Omentum, Superior Epigastric, and External/Internal  
Oblique Flaps*

### Matthew Houdek MD

Mayo Clinic  
Rochester, MN, USA

*Ch 55 Medial Femoral Condyle and Descending Genicular  
Artery Perforator Flaps*

### Katherine A. Impastato MD

Resident  
Plastic and Reconstructive Surgery  
University of Washington Medical Center  
Seattle, WA, USA

*Ch 58 Superior and Inferior Gluteal Artery Perforator Flaps*

### Marco Innocenti MD

Professor of Plastic Surgery  
University of Florence  
Director, Plastic & Reconstructive  
Microsurgery Department  
Careggi University Hospital  
Florence, Italy

*Ch 50 Gastrocnemius Flap*

### Luis Henrique Ishida MD, PhD

Department of Plastic Surgery  
Hospital das Clinicas  
University of São Paulo  
São Paulo, Brazil

*Ch 37 Rectus Abdominis Flap*

### Seng-Feng Jeng MD FACS

Professor of Surgery  
Plastic Surgery  
E-Da hospital  
Kaohsiung, Taiwan

*Ch 62 Free-style Flaps*

### T. Shane Johnson MD

Associate Professor  
Division of Plastic Surgery  
Penn State University  
Hershey, PA, USA

*Ch 13 Clinical anatomy and recipient vessel selection and  
exposure in the lower extremity*

### Dimitrios Karypidis MD, MSc, PhD, FICS

Plastic Surgeon  
Post-doctoral Clinical Research Fellow  
International Institute of Reconstructive Microsurgery  
Long Island City  
New York, NY, USA

*Ch 15 Facial Reanimation: Evolution and Refinements*

### Ryan Katz MD

The Curtis National Hand Center  
MedStar Union Memorial Hospital  
Baltimore, MD, USA

*Ch 45 Pedicled Flaps of the Hand*

### Roger K. Khouri MD, FACS

Volunteer Professor  
Herbert Wertheim College of Medicine  
University Park, FL, USA;  
Medical Director  
Miami Breast Center & Miami Hand Center  
Miami, FL, USA

*Ch 7 Percutaneous Aponeurotomy and Lipofilling (PALF):  
A Regenerative Alternative to Flaps*

**Roger Karl Khouri Jr BS**

Medical Student  
University of Michigan Medical School  
Ann Arbor, MI, USA;  
Research Assistant  
Miami Breast Center & Miami Hand Center  
Miami, FL, USA

*Ch 7 Percutaneous Aponeurotomy and Lipofilling (PALF): A Regenerative Alternative to Flaps*

**Jeong-Tae Kim PhD**

Hanyang University Medical Center  
Seongdong-gu  
Seoul, Korea

*Ch 56 Perforator Flaps in the Lateral Thoracic Region*

**Naohiro Kimura MD**

Director  
Tsukiji Dermatology  
Plastic and Hand Surgery Clinic  
Chuo City, Tokyo, Japan

*Ch 26 Thinning and Tailoring*

**Isao Koshima MD**

Professor and Chief  
Plastic Reconstructive Surgery  
The University of Tokyo  
Tokyo, Japan

*Ch 8 Lymphedema: Microsurgical Reconstruction*  
*Ch 43 Groin Flap and Superficial Circumflex Iliac Artery Perforator Flap*

**Laurent Lantieri MD, PhD**

Professor of Plastic Surgery  
Head of Department of Plastic Surgery  
Georges Pompidou European Hospital  
Paris, France

*Ch 63 Starting a Reconstructive Transplantation Program*

**W.P. Andrew Lee MD**

Professor and Chairman  
Department of Plastic and Reconstructive Surgery  
Johns Hopkins University School of Medicine  
Baltimore, MD, USA

*Ch 65 Hand and Upper Extremity Transplantation*

**L. Scott Levin MD, FACS**

Paul B. Magnuson Professor of Bone and Joint Surgery  
Chairman, Department of Orthopaedic Surgery  
Professor of Surgery (Plastic Surgery)  
Perelman School of Medicine, University of Pennsylvania  
Philadelphia, PA, USA

*Ch 13 Clinical Anatomy and Recipient Vessel Selection and Exposure in the Lower Extremity*

**Joshua L. Levine MD**

Director  
The Center for the Advancement of Breast Reconstruction  
New York Eye and Ear Infirmary  
New York, NY, USA

*Ch 58 Superior and Inferior Gluteal Artery Perforator Flaps*

**Chih-Hung Lin MD**

Professor and Chairman  
Department of Plastic Surgery  
Chang Gung Memorial Hospital  
Linkou, Taiwan

*Ch 22 Lower Extremity Reconstruction*

*Ch 54 Toe Flaps and Toe Transplantation*

**Susan E. Mackinnon MD**

Shoenberg Professor, Plastic and Reconstructive Surgery  
Chief, Division of Plastic and Reconstructive Surgery  
Washington University  
St. Louis, MO, USA

*Ch 68 Peripheral Nerve Allograft Transplantation*

**Samir Mardini MD**

Professor of Surgery  
Mayo Clinic College of Medicine  
Program Director, Plastic Surgery  
Surgical Director,  
Essam and Dalal Obaid Center for Reconstructive  
Transplant Surgery  
Mayo Clinic

Rochester, MN, USA

*Ch 38 Jejunum Flap*

*Ch 43 Groin Flap and Superficial Circumflex Iliac Artery Perforator Flap*

*Ch 52 Fibula Flap*

*Ch 59 Anterolateral and Anteromedial Thigh Flaps*

*Ch 62 Free-style Flaps*

**Jaume Masia Ayala MD, PhD**

Professor of Plastic Surgery  
Chief Plastic Surgery Department  
Director European School of  
Reconstructive Microsurgery  
Barcelona, Spain

*Ch 8 Lymphedema: Microsurgical Reconstruction*

**Alain-Charles Masquelet MD**

Reconstructive and Hand Surgeon  
Orthopaedic and Traumatology  
Hôpital Saint Antoine  
University Paris  
Paris, France

*Ch 50 Gastrocnemius Flap*

**Lincoln Saito Millan MD, PhD**

Plastic Surgeon, Microsurgeon  
Consultant at Institute of Cancer of the State of São Paulo  
(ICESP)  
University of São Paulo School of Medicine  
Consultant  
São Paulo State Public Servant Hospital (IAMSPE)  
São Paulo, Brazil

*Ch 37 Rectus Abdominis Flap*

**Michael J. Miller MD**

Professor and Chairman, Department of Plastic Surgery  
The Ohio State University Wexner Medical Center  
Columbus, OH, USA

*Ch 30 Reconstructive Options Following Flap Failure*



**Amy M. Moore MD**

Assistant Professor in Plastic Surgery  
Division of Plastic Surgery  
Washington University  
St. Louis, MO, USA

*Ch 68 Peripheral Nerve Allotransplantation*

**Steven L. Moran MD**

Professor and Chair of Plastic Surgery, Professor of  
Orthopedic Surgery  
Mayo Clinic  
Rochester, MN, USA

*Ch 32 Temporoparietal Fascia Flap*

*Ch 52 Fibula Flap*

*Ch 55 Medial Femoral Condyle and Descending Genicular  
Artery Perforator Flaps*

**Steven F. Morris MD, MSc, FRCS(C)**

Professor of Surgery  
Surgery  
Dalhousie University  
Halifax, Nova Scotia, Canada

*Ch 2 Classification of Flaps*

**Wayne A. Morrison MBBS, MD, FRACS**

Director, O'Brien Institute  
Department of Surgery  
University of Melbourne  
Australian Catholic University  
Melbourne, Victoria, Australia

*Ch 27 Avoiding Complications*

**Andrew N. Morritt MB, ChB, MRCS**

Microsurgery Research Fellow  
Bernard O'Brien Institute of Microsurgery  
Fitzroy, Melbourne, Victoria, Australia

*Ch 27 Avoiding Complications*

**Maurice Y. Nahabedian MD**

Professor  
Department of Plastic Surgery  
Georgetown University  
Washington, DC, USA

*Ch 16 Breast Reconstruction*

**Peter C. Neligan MB, FRCS(I), FRCSC, FACS**

Professor of Surgery  
Surgery, Division of Plastic Surgery  
University of Washington  
Seattle, WA, USA

*Ch 10 Clinical Anatomy of the Head and Neck, and Recipient  
Vessel Selection*

**Michael W. Neumeister MD**

Professor and Chairman  
Surgery  
SIU School of Medicine  
Springfield, IL, USA

*Ch 20 Upper Extremity Reconstruction*

**Audrey Nguyen BS**

University of California at Irvine  
School of Medicine  
Irvine, CA, USA

*Ch 29 Postoperative Care*

**Marina Ninković**

Department of Visceral, Transplant and Thoracic Surgery  
Center of Operative Medicine  
Innsbruck, Austria

*Ch 23 Functional Muscle Transfers for Various Purposes*

**Milomir Ninković MD, PhD**

Professor of Plastic Surgery  
Chairman Department of Plastic, Reconstructive,  
Hand and Burn Surgery  
Academic Hospital Munich Bogenhausen  
Technical University  
Munich, Germany

*Ch 23 Functional Muscle Transfers for Various Purposes*

*Ch 46 Lateral Arm Flap*

**Niri S. Niranjani MBBS MS FRCS FRCS(Plast)**

Consultant Plastic Surgeon  
Plastic and Burn Surgery  
St Andrews Centre, Broomfield Hospital  
Chelmsford, UK

*Ch 61 Posterior Tibial Artery Perforator Flap*

**Anne O'Neill MBBCh, MMedSci, MSc, FRCS(Plast), PhD**

Assistant Professor  
University of Toronto  
Division of Plastic Surgery  
Department of Surgery  
Department of Surgical Oncology  
University Health Network  
Toronto, Ontario, Canada

*Ch 36 Omentum, Superior Epigastric, and External/Internal  
Oblique Flaps*

**Ömer Özkan MD**

Professor of Plastic Surgery  
Omer Ozkan Clinic and Akdeniz University  
Hospital  
Antalya, Turkey

*Ch 60 Tensor Fascia Lata Flap*

*Ch 66 Laryngeal, Abdominal Wall, and Uterus  
Transplantation*

**Özlenen Özkan MD**

Associate Professor  
Akdeniz University Hospital  
Head of Plastic and Reconstructive  
Surgery Department  
Antalya, Turkey

*Ch 60 Tensor Fascia Lata Flap*

*Ch 66 Laryngeal, Abdominal Wall, and Uterus  
Transplantation*

**Christopher J. Pannucci MD, MS**

Assistant Professor  
Division of Plastic Surgery  
University of Utah  
Salt Lake City, UT, USA

*Ch 13 Clinical Anatomy and Recipient Vessel Selection and Exposure in the Lower Extremity*

**Philippe Pelissier MD**

Professor of Plastic Surgery  
Department of Plastic and Hand Surgery  
Hôpital Pellegrin-Tondu  
Bordeaux, France

*Ch 51 Soleus Flap*

**Bohdan Pomahac MD**

Director, Plastic Surgery Transplantation  
Medical Director, BWH Burn Center  
Associate Professor  
Harvard Medical School  
Boston, Massachusetts

*Ch 64 Face Transplantation*

**Julian J. Pribaz MD**

Professor, Division of Plastic Surgery  
Brigham and Women's Hospital  
Harvard Medical School  
Boston, MA, USA

*Ch 5 Prefabrication and Prelamination*

**Antonio Rampazzo MD**

Craniofacial Surgery Fellow  
Plastic Surgery  
University of Michigan  
Ann Arbor, MI, USA

*Ch 67 Immunology and Research in Reconstructive Transplantation*

**Richard J. Redett III MD**

Associate Professor  
Department of Plastic and Reconstructive Surgery  
Johns Hopkins University School of Medicine  
Baltimore, MD, USA

*Ch 19 Pelvic and Urogenital Reconstruction*

**Matthias Reichenberger MD, PhD**

ETHANUM Clinic for Plastic, Reconstructive and Aesthetic Surgery  
Heidelberg University  
Heidelberg, Germany

*Ch 41 Latissimus Dorsi Flap*

**Joseph A. Ricci MD**

Plastic Surgery Resident  
Harvard Medical School  
Brigham and Women's Hospital  
Boston, MA, USA

*Ch 64 Face Transplantation*

**Jonathan Rimler MD**

Department of Plastic Surgery  
University of California, Irvine  
Orange, CA, USA

*Ch 29 Postoperative Care*

**Eduardo D. Rodriguez MD, DDS**

Chair, Hansjorg Wyss Department of Plastic Surgery  
Helen L. Kimmel Professor of Reconstructive Plastic Surgery  
NYU Langone Medical Center  
New York, New York

*Ch 14 Head and Neck Reconstruction*

**S. Raja Sabapathy MS(Gen), M.Ch(Plastic), DNB(Plastic), FRCS(Edin)**

Chairman  
Division of Plastic Surgery  
Hand Surgery  
Reconstructive Microsurgery and Burns  
Adjunct Professor  
Tamil Nadu Dr MGR Medical University  
Ganga Hospital  
Coimbatore, India

*Ch 25 Vessels*

**Christopher J. Salgado MD**

Professor of Surgery  
Division of Plastic Surgery  
Section Chief, University of Miami Hospital  
Medical Director, Gender and Sexual Health Program  
Miami, FL, USA

*Ch 52 Fibula Flap*

**Eric Santamaria MD**

Professor  
Reconstructive Microsurgery  
Universidad Nacional Autónoma de México;  
Attending Surgeon  
Plastic and Reconstructive Surgery  
Hospital General Dr. Manuel Gea Gonzalez  
Mexico City, Mexico

*Ch 32 Temporoparietal Fascia Flap*

**Paolo Sassu MD, PhD**

Senior Consultant  
Director, Hand Surgery Transplant Program  
Sahlgrenska University Hospital  
Gothenburg, Sweden

*Ch 50 Gastrocnemius Flap*

*Ch 54 Toe Flaps and Toe Transplantation*

**James T.W. Saunders MD, FRCSC**

Plastic and Reconstructive Surgery  
Washington University  
St. Louis, MO, USA

*Ch 68 Peripheral Nerve Allotransplantation*

**Jesse Selber MD, MPH, FACS**

Associate Professor, Director of Clinical Research  
Department of Plastic Surgery  
The University of Texas MD Anderson Cancer Center  
Houston, TX, USA

*Ch 9 Robotic Applications in Plastic and Reconstructive Surgery*

**Joseph M. Serletti MD, FACS**

The Henry Royster-William Maul Measey Professor of Surgery  
Chief, Division of Plastic Surgery  
The University of Pennsylvania Health System  
Philadelphia, PA, USA

*Ch 11 Clinical Anatomy and Recipient Vessel Selection in the Chest, Abdomen, Groin, and Back*

**Basel Sharaf MD, DDS, FACS, FRCDC**

Assistant Professor in Plastic Surgery  
Mayo Clinic College of Medicine  
Division of Plastic Surgery  
Rochester, MN, USA

*Ch 10 Clinical Anatomy of the Head and Neck, and Recipient Vessel Selection*

**Jaimie T. Shores MD**

Clinical Director of Hand and Upper Extremity Transplantation  
Assistant Professor  
Plastic and Reconstructive Surgery  
Johns Hopkins University School of Medicine  
Baltimore, MD, USA

*Ch 65 Hand and Upper Extremity Transplantation*

**Maria Z. Siemionow MD, PhD**

Professor of Orthopaedics  
Director of Microsurgery Research  
University of Illinois at Chicago  
Chicago, Illinois

*Ch 67 Immunology and Research in Reconstructive Transplantation*

**Amanda K. Silva MD**

The University of Chicago Medicine & Biological Sciences  
Chicago, IL, USA

*Ch 17 Chest and Back Reconstruction*

**Indranil Sinha MD**

Fellow, Division of Plastic Surgery  
Brigham and Women's Hospital  
Harvard Medical School  
Boston, MA, USA

*Ch 5 Prefabrication and Prelamination*

**Alison Snyder-Warwick MD**

Assistant Professor of Surgery  
Division of Plastic and Reconstructive Surgery  
Washington University School of Medicine  
St. Louis, MO, USA

*Ch 24 Nerves*

**David H. Song MD, MBA, FACS**

Cynthia Chow Professor of Surgery  
Chief, Section of Plastic and Reconstructive Surgery  
Vice-Chair, Department of Surgery  
Associate Dean, Continuing Medical Education  
The University of Chicago Medicine & Biological Sciences  
Chicago, IL, USA

*Ch 17 Chest and Back Reconstruction*

**Michael Sosin MD**

Postdoctoral Research Fellow  
R. Adams Cowley Shock Trauma Center  
University of Maryland Medical Center  
Baltimore, MD, USA

*Ch 14 Head and Neck Reconstruction*

**David S. Soutar FRCS**

Consultant Plastic Surgeon  
West of Scotland Regional Plastic Surgery Unit  
Glasgow Royal Infirmary  
Glasgow, UK

*Ch 47 Radial Forearm Flap*

**Stefano Spanio di Spilimbergo MD**

Maxillofacial Surgery  
Regional Hospital S. Bortolo  
Vicenza, Italy

*Ch 38 Jejunum Flap*

**Charles E. Stewart IV MD**

Fellow, Beth Israel Deaconess Medical Center  
New York, NY, USA;  
Assistant Professor of Surgery  
Department of Otolaryngology Head and Neck Surgery  
Loma Linda University School of Medicine  
Loma Linda, CA, USA

*Ch 35 Deltopectoral Flaps and Internal Mammary Artery Perforator Flap*

**Amir H. Taghinia MD, MPH**

Staff Surgeon  
Boston Children's Hospital  
Assistant Professor of Surgery  
Harvard Medical School  
Boston, MA, USA

*Ch 47 Radial Forearm Flap*

**Kensuke Tashiro MD**

Department of Plastic and Reconstructive Surgery  
Graduate School of Medicine  
University of Tokyo  
Tokyo, Japan

*Ch 43 Groin Flap and Superficial Circumflex Iliac Artery Perforator Flap*

**Julia K. Terzis MD, PhD, FACS, FRCS (C)**

Adjunct Professor  
Department of Plastic and Reconstructive Surgery  
New York University Medical Center  
Medical Director, International Institute of Reconstructive Microsurgery,  
New York, NY

*Ch 15 Facial Reanimation: Evolution and Refinements*



**Joseph Upton MD**

Staff Surgeon  
 Boston Children's Hospital  
 Shriners' Hospital for Children  
 Beth Israel-Deaconess Medical Center  
 Professor of Surgery  
 Harvard Medical School  
 Boston, MA, USA

*Ch 47 Radial Forearm Flap*

**Mark L. Urken MD, FACS**

Professor  
 Department of Otolaryngology-Head and Neck Surgery  
 Albert Einstein College of Medicine  
 Chief of Head and Neck Surgical Oncology  
 Beth Israel Medical Center  
 New York, NY, USA

*Ch 35 Deltopectoral Flaps and Internal Mammary Artery  
 Perforator Flap*

**Nicholas B. Vedder MD**

Professor of Surgery and Orthopaedics  
 Chief Plastic Surgery  
 Vice Chair, Department of Surgery  
 University of Washington  
 Seattle, Washington

*Ch 1 Problem Analysis in Reconstructive Surgery:  
 Reconstructive Ladders, Elevators, and Surgical Judgment*

**S. Voigt MD**

Klinikum Bogenhausen  
 Department of Plastic, Reconstructive, Hand, and Burn  
 Surgery  
 Academic Teaching Hospital Technical University Munich  
 Munich, Germany

*Ch 23 Functional Muscle Transfers for Various Purposes*

**Jan Jeroen Vranckx MD, PhD**

Professor & Chief  
 Dept. of Plastic & Reconstructive Surgery  
 Leuven University Hospitals  
 Leuven, Belgium

*Ch 6 Tissue Engineering*

**Chan Yu Wai MS, FRCSE, FHKAM(Surg)**

Assistant Professor  
 Department of Surgery  
 The University of Hong Kong  
 Hong Kong, Special Administrative Region of the People's  
 Republic of China

*Ch 34 Pectoralis Major Flap*

**Robert L. Walton MD**

Professor  
 Surgery, Division of Plastic Surgery  
 Northwestern University, Feinberg School of Medicine  
 Chicago, IL, USA

*Ch 31 Local Flaps of the Head and Neck: Forehead, FAMM,  
 Submental, Nasolabial and Cervicofacial Flaps*

**Fu-Chan Wei, MD, FACS**

Distinguished Chair and Professor  
 Department of Plastic Surgery  
 Chang Gung Memorial Hospital  
 Chang Gung University, Medical College  
 Taipei, Taiwan

*Ch 43 Groin Flap and Superficial Circumflex Iliac Artery  
 Perforator Flap*

*Ch 52 Fibula Flap*

*Ch 59 Anterolateral and Anteromedial Thigh Flaps*

*Ch 62 Free-style Flaps*

**William Ignace Wei MS, FRCS, FRCSE, FRACS(Hon.), FACS(Hon.), FHKAM(ORL), FHKAM(Surg)**

Emeritus Professor  
 Department of Surgery  
 The University of Hong Kong  
 Director of Li Shu Pui ENT Head & Neck Surgery Centre  
 Hong Kong Sanatorium & Hospital  
 Hong Kong, Special Administrative Region of the People's  
 Republic of China

*Ch 34 Pectoralis Major Flap*

**Andreas Weiglein MD**

Associate Professor  
 Institute of Anatomy  
 Medical University of Graz  
 Graz, Austria

*Ch 39 Trapezius Flap*

**Thomas Willson MD**

Resident  
 Division of Plastic Surgery  
 Northwestern University, Feinberg School of Medicine  
 Chicago, IL, USA

*Ch 31 Local Flaps of the Head and Neck: Forehead, FAMM,  
 Submental, Nasolabial and Cervicofacial Flaps*

**Jeremy L. Wilson MBBS, FRACS(Plas)**

Consultant Plastic Surgeon  
 Department of Plastic Surgery  
 Royal Melbourne Hospital;  
 Consultant Plastic Surgeon  
 Department of Surgical Oncology  
 Peter MacCallum Cancer Centre  
 Melbourne, Victoria, Australia

*Ch 27 Avoiding Complications*

**Michael R. Zenn MD, MBA**

Professor  
 Plastic and Reconstructive Surgery  
 Duke University  
 Durham, NC, USA

*Ch 33 Supraclavicular Artery Flap*

**Ronald M. Zuker MD, FRCSC, FACS, FRCSEd(Hon)**

Professor of Surgery  
 Department of Surgery  
 University of Toronto;  
 Staff Plastic and Reconstructive Surgeon  
 Department of Surgery  
 The Hospital for Sick Children  
 Toronto, Ontario, Canada

*Ch 49 Gracilis Flap*