Jeffrey Weinzweig

SECOND EDITION

PLASTIC SURGERY SECRETS Plus

+ MORE QUESTIONS

+ MORE IMAGES

MORE COLOR

+ MORE COVERAGE

PLASTIC SURGERY SECRETS

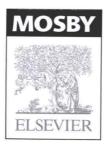
SECOND EDITION

JEFFREY WEINZWEIG, MD, FACS

Chief of Craniofacial Surgery Director, Craniofacial Anomalies Program Division of Plastic Surgery Illinois Masonic Medical Center Chicago, Illinois

> Director The Chicago Center for Plastic & Reconstructive Surgery Chicago, Illinois

常州大学山书馆藏书章





1600 John F. Kennedy Blvd. Ste 1800 Philadelphia, PA 19103-2899

PLASTIC SURGERY SECRETS, SECOND EDITION

ISBN: 978-0-323-03470-8

Copyright © 2010, 1999 by Mosby, Inc., an affiliate of Elsevier Inc.

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or any information storage and retrieval system, without permission in writing from the publisher. Permissions may be sought directly from Elsevier's Rights Department: phone: (+1) 215 239 3804 (US) or (+44) 1865 843830 (UK); fax: (+44) 1865 853333; e-mail: healthpermissions@elsevier.com. You may also complete your request on-line via the Elsevier website at http://www.elsevier.com/permissions.

Notice

Knowledge and best practice in this field are constantly changing. As new research and experience broaden our knowledge, changes in practice, treatment and drug therapy may become necessary or appropriate. Readers are advised to check the most current information provided (i) on procedures featured or (ii) by the manufacturer of each product to be administered, to verify the recommended dose or formula, the method and duration of administration, and contraindications. It is the responsibility of the practitioner, relying on their own experience and knowledge of the patient, to make diagnoses, to determine dosages and the best treatment for each individual patient, and to take all appropriate safety precautions. To the fullest extent of the law, neither the Publisher nor the Editor assumes any liability for any injury and/or damage to persons or property arising out or related to any use of the material contained in this book.

The Publisher

Library of Congress Cataloging-in-Publication Data

Plastic surgery secrets / [edited by] Jeffrey Weinzweig. - 2nd ed.

p.; cm. - (Secrets series)

Includes bibliographical references and index.

ISBN 978-0-323-03470-8

1. Surgery, Plastic-Examinations, questions, etc. I. Weinzweig, Jeffrey,

1963- II. Series: Secrets series.

[DNLM: 1. Surgery, Plastic-Examination Questions. 2. Reconstructive Surgical Procedures-

Examination Questions. WO 18.2 P715 2010]

RD118.P5385 2010

617.9'5076-dc22

2009046360

Acquisitions Editor: Jim Merritt Developmental Editor: Andrea Vosburgh Project Manager: Mary Stermel Design Direction: Steve Stave

> Working together to grow libraries in developing countries

www.elsevier.com | www.bookaid.org | www.sabre.org

To my Ashley, who inspires me to pursue my greatest dreams, revels in my successes, and laughs with me as we share the ride. She motivates me, indulges me, and tolerates me. She is my muse.

CONTRIBUTORS

Ghada Y. Afifi, MD, FACS

Clinical Assistant Professor, Department of Plastic Surgery, Loma Linda University Medical Center, Loma Linda, California; Attending Physician, Private Practice, Department of Plastic Surgery, Hoag Hospital, Newport Beach, California; Attending Physician, Private Practice, Department of Surgery, Orange Coast Memorial Hospital, Fountain Valley, California; Volunteer Clinical Assistant Professor, Department of Plastic Surgery, University of California at San Diego, San Diego, California

Edward Akelman, MD

Professor/Vice Chairman, Department of Orthopaedics, Brown University; Chief, Division of Hand, Upper Extremity & Microvascular Surgery, Department of Orthopaedics, Rhode Island Hospital, Providence, Rhode Island

Louis C. Argenta, MD

Julius Howell Distinguished Professor of Surgery, Chairman Emeritus, Director of Experimental Surgery, Department of Plastic and Reconstructive Surgery, Wake Forest Medical Center, Winston Salem, North Carolina

Eric Arnaud, MD

Co-Director, Craniofacial Unit, Department of Neurosurgery, Hôpital Necker Enfants Malades, Paris, France

Duffield Ashmead IV, MD

Assistant Clinical Professor, Department of Orthopaedic Surgery, University of Connecticut School of Medicine; Associate Medical Staff, Department of Plastic and Reconstructive Surgery, University of Connecticut Health Center, Farmington, Connecticut; Active Senior Staff, Clinical Assistant Staff, Department of Plastic and Reconstructive Surgery, Hartford Hospital; Attending Surgeon, Co-Director, Division of Hand Surgery, Department of Plastic and Reconstructive Surgery, Connecticut Children's Medical Center, Hartford, Connecticut

Sherrell J. Aston, MD, FACS

Professor of Surgery, Department of Plastic Surgery, New York University School of Medicine; Chairman, Department of Plastic Surgery, Manhattan Eye, Ear & Throat Hospital, New York, New York

Kodi K. Azari, MD, FACS

Assistant Professor of Plastic Surgery and Orthopaedic Surgery, Chief, UPMC Mercy Division of Hand Surgery, Director, Hand Surgery Fellowship, Division of Plastic Surgery, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania

Daniel J. Azurin, MD

Staff Surgeon, Department of Plastic Surgery, University Hospital, Tamarac, Florida

Russell Babbitt III, MD

Resident in General Surgery, Department of Surgery, University of Massachusetts Medical School; Resident in General Surgery, Department of Surgery, University of Massachusetts Memorial Health Care, Worcester, Massachusetts

Stephen B. Baker, MD, DDS

Associate Professor, Department of Plastic Surgery, Georgetown University Hospital, Washington, DC; Co-Director, Craniofacial Clinic, Inova Fairfax Hospital for Children, Falls Church, Virginia

Nabil A. Barakat, MD

Private Practice, Hand & Plastic Surgery Associates, Elmhurst, Illinois

Raymond L. Barnhill, MD

Clinical Professor, Department of Pathology, Department of Dermatology, University of Miami Miller School of Medicine, University of Miami Hospitals and Clinics, Miami, Florida

David T. Barrall, MD

Assistant Clinical Professor of Plastic Surgery, Department of Plastic Surgery, Brown University; Chief of Plastic Surgery, Department of Surgery/Plastic Surgery, Miriam Hospital, Providence, Rhode Island

Scott P. Bartlett, MD

Professor of Plastic Surgery, University of Pennsylvania; Peter Randall Endowed Chair in Pediatric Plastic Surgery, Department of Plastic Surgery, Children's Hospital of Philadelphia, Philadelphia, Pennsylvania

Bruce S. Bauer, MD, FACS, FAAP

Director of Pediatric Plastic Surgery, North Shore University Health System; Clinical Professor of Surgery, University of Chicago; Pritzker School of Medicine, Highland Park Hospital, Highland Park, Illinois

Erik M. Bauer, MD

Pediatric Otolaryngologist, Pediatric Ear, Nose, and Throat of Atlanta, PC, Atlanta, Georgia

Stephen P. Beals, MD, FACS, FAAP

Director, Barrow Craniofacial Center, St. Joseph's Hospital and Medical Center, Pheonix, Arizona; Associate Professor of Plastic Surgery, Department of Plastic Surgery, Mayo Medical School, Rochester, Minnesota

Michael L. Bentz, MD, FAAP, FACS

Professor of Surgery, Pediatrics and Neurosurgery, Chairman, Division of Plastic Surgery, Vice Chairman of Clinical Affairs, Department of Surgery, University of Wisconsin, University of Wisconsin Hospital, Madison, Wisconsin

Samuel J. Beran, MD

Chief of Plastic Surgery, White Plains Hospital, White Plains, New York

Richard A. Berger, MD, PhD

Professor of Orthopaedic Surgery and Anatomy, Mayo Clinic, Rochester, Minnesota

Nada Berry, MD

Resident, Department of Surgery, Division of Plastic Surgery, Southern Illinois University School of Medicine, Springfield, Illinois

Walter L. Biffl, MD

Department of Surgery, Denver Health Medical Center, Denver, Colorado

Kirby I. Bland, MD

Fay Fletcher Kerner Professor and Chairman, Department of Surgery, University of Alabama at Birmingham, Birmingham, Alabama

Loren J. Borud. MD

Assistant Professor of Surgery, Department of Surgery, Harvard Medical School; Department of Surgery, Beth Israel Deaconess Medical Center, Boston, Massachusetts

Vincent Boyd, MD

Fellow, Department of Plastic Surgery, Baylor College of Medicine, Texas Children's Hospital

Lynn Breglio, MS, PT, CHT

Clinical Instructor, Department of Physical Therapy, University of Hartford, West Hartford, Connecticut

David J. Bryan, MD, FACS

Associate Professor, Department of Surgery, Tufts University School of Medicine, Boston, Massachusetts; Vice Chairman, Department of Plastic and Reconstructive Surgery, Lahey Clinic, Burlington, Massachusetts; Lecturer, Harvard-MIT Health Sciences and Technology Program, Cambridge, Massachusetts

Steven R. Buchman, MD

Professor of Surgery and Neurosurgery, Department of Plastic Surgery, University of Michigan Medical School; Chief, Pediatric Plastic Surgery, Director, Craniofacial Anomalies Program, Department of Plastic Surgery, University of Michigan, Ann Arbor, Michigan

Harry J. Buncke, MD

Clinical Professor of Surgery, Division of Plastic Surgery,
University of California, San Francisco School of Medicine,
San Francisco, California; Associate Clinical Professor of
Surgery, Stanford University School of Medicine, Stanford,
California; Co-Director, Microsurgical Replantation/
Transplantation Division, Davies Medical Center, San
Francisco, California

Rudolf Buntic, MD

Chief of Microsurgery, California Pacific Medical Center, San Francisco, California; Clinical Instructor in Plastic Surgery, Stanford University, Stanford, California

Renee Burke, MD

Craniofacial Fellow, Department of Plastic Surgery, Miami Children's Hospital, Miami, Florida

Richard I. Burton, MD

Senior Associate Dean for Academic Affairs, University of Rochester School of Medicine and Dentistry; Emeritus Wehle Professor, Emeritus Chair, Department of Orthopaedics, University of Rochester Medical Center, Rochester, New York

Anthony A. Caldamone, MD, MMS, FAAP, FACS

Professor of Surgery (Urology) and Pediatrics, Department of Surgery, Warren Alpert Medical School of Brown University, Rhode Island Hospital; Chief of Pediatric Urology, Department of Pediatric Urology, Hasbro Children's Hospital, Providence, Rhode Island

Rvan P. Calfee, MD

Assistant Professor, Washington University School of Medicine, Department of Orthopedic Surgery, St. Louis, Missouri

Chris A. Campbell, MD

Resident, Department of Plastic Surgery, University of Virginia, Charlottesville, Virginia

Lois Carlson, OTR/L, CHT

Director of Hand Therapy, The Hand Center, Hartford, Connecticut

Stephanie A. Caterson, MD

Instructor of Surgery, Department of Plastic Surgery, Harvard Medical School; Instructor of Surgery, Department of Plastic Surgery, Brigham and Women's Hospital, Boston, Massachusetts

Christi M. Cavaliere, MD

Lecturer, Section of Plastic Surgery, University of Michigan, Ann Arbor, Michigan

Eric I-Yun Chang, MD

Postdoctoral Research Fellow, Department of Plastic Surgery, Stanford University, Stanford, California; Categorical General Surgery Resident, Department of Surgery, University of Medicine and Dentistry of New Jersey, Robert Wood Johnson Medical School, New Brunswick, New Jersey

Joyce C. Chen, MD

Pediatric Plastic Surgery and Craniofacial Surgery Fellow, Staff Surgeon, Department of Surgery, Division of Plastic and Maxillofacial Surgery, Childrens Hospital Los Angeles, University of Southern California; Staff Surgeon, Department of Plastic and Reconstructive Surgery, Cedars Sinai Hospital, Los Angeles, California

Ben J. Childers, MD

Chief of Plastic Surgery, Department of Surgery, Riverside Community Hospital, Riverside, California; Loma Linda University Medical Center, Loma Linda, California

Gloria A. Chin, MD, MS

Chief Resident, Division of Plastic Surgery, University of Illinois College of Medicine, University of Illinois Hospital and Cook County Hospital, Chicago, Illinois

Simon H. Chin, MD

Former Hand Fellow, Department of Orthopedics, University of Washington, Seattle, Washington; Aesthetics Fellow, Department of Plastic Surgery, Manhattan Eye, Ear & Throat Hospital, New York, New York

Niki A. Christopoulos, MD

Fellow, Department of Plastic and Reconstructive Surgery, Rush University Medical Center, Chicago, Illinois

William G. Cioffi, MD, FACS

J. Murray Beardsley Professor and Chairman, Department of Surgery, The Warren Alpert Medical School of Brown University: Surgeon-in-Chief, Department of Surgery, Rhode Island Hospital, Providence, Rhode Island

Brian S. Coan, MD

Care Plastic Surgery, Durham, North Carolina

Marilyn A. Cohen, BA, LSLP

Administrative Director, Regional Cleft Palate-Craniofacial Program, Cooper University Hospital, Camden, New Jersey; Speech Pathology Consultant, Department of Plastic Surgery, The Children's Hospital of Philadelphia, Philadelphia, Pennsylvania

Mimis Cohen, MD, FACS

Professor and Chief, Division of Plastic, Reconstructive, and Cosmetic Surgery, University of Illinois, University of Illinois Medical Center, Chicago, Illinois

Stephen Daane. MD

Chief, Plastic Surgery Division, Oakland Children's Hospital, Oakland, California

David J. David, AC, MD, FRCSE, FRCS, FRACS

Clinical Professor of Craniomaxillofacial Surgery. Department of Medicine, University of Adelaide; Head of Unit, Australian Craniofacial Unit, Women and Children's Hospital; Head of Unit, Australian Craniofacial Unit, Royal Adelaide Hospital, Adelaide, South Australia, Australia

Jorge I. de la Torre, MD

Professor and Program Director, Division of Plastic Surgery, University of Alabama School of Medicine: Chief, Section of Plastic Surgery, University of Alabama Highlands Hospital; Chief, Plastic Surgery Section, Birmingham VA Medical Center; Director, Center for Advanced Surgical Aesthetics, Birmingham, Alabama

Anthony J. DeFranzo, MD

Associate Professor, Department of Plastic and Reconstructive Surgery, Wake Forest University School of Medicine: North Carolina Baptist Hospital, Winston Salem. North Carolina

A. Lee Dellon, MD, PhD

Professor, Department of Plastic Surgery and Neurosurgery, Johns Hopkins University; Department of Plastic Surgery and Neurosurgery, Johns Hopkins Hospital, Union Memorial Hospital, Baltimore, Maryland

Jaimie DeRosa, MD, MS

Clinical Associate Professor, Otolaryngology-Head and Neck Surgery, Temple University, Philadelphia, Pennsylvania; Associate, Otolaryngology-Head and Neck Surgery, Division of Facial Plastic and Reconstructive Surgery, Geisinger Medical Center, Danville, Pennsylvania

Christine A. DiEdwardo, MD, FACS

Plastic and Reconstructive Surgeon, Department of Plastic and Reconstructive Surgery, Lahey Clinic Medical Center, Burlington, Massachusetts

Joseph J. Disa, MD, FACS

Associate Professor of Surgery, Division of Plastic Surgery, Cornell Weill Medical College; Associate Attending Surgeon, Plastic and Reconstructive Surgery Service. Memorial Sloan-Kettering Cancer Center, New York, New York

Sean T. Doherty, MD

Plastic Surgeon, Department of Plastic Surgery, Emerson Hospital; Plastic Surgeon, Boston Plastic Surgical Associates, Concord, Massachusetts

Rudolph F. Dolezal, MD, FACS

Associate Clinical Professor, Department of Surgery, Division of Plastic Surgery, University of Illinois Medical Center at Chicago, Chicago, Illinois; Attending Surgeon, Department of Plastic Surgery, Lutheran General Hospital, Park Ridge, Illinois; Senior Attending Surgeon, Department of Plastic Surgery, Northwest Community Hospital, Arlington Heights, Illinois; Senior Attending Surgeon, Department of Surgery, Holy Family Hospital, Des Plaines, Illinois

Raymond G. Dufresne, Jr., MD

Professor, Department of Dermatology, Brown University School of Medicine; Director, Dermatologic Surgery Division, Department of Dermatology, Rhode Island Hospital, Providence, Rhode Island

Christian Dumontier, MD. PhD

Professor, Orthopedic Department, Institut de la Main; Professor, Orthopedic Department, Hopital saint Antoine, Paris, France

Raymond M. Dunn, MD

Professor of Surgery and Cell Biology, Chief, Division of Plastic Surgery, University of Massachusetts Medical School, University of Massachusetts Memorial Health Care, Worcester, Massachusetts

Lee E. Edstrom, MD

Professor of Surgery, Department of Surgery, Brown University: Chief of Plastic Surgery, Lifespan, Providence. Rhode Island

W.G. Eshbaugh, Jr., MD, FACS

Medical Staff, Department of Plastic Surgery, Gulf Coast Medical Center, Fort Myers, Florida; Medical Staff, Department of Plastic Surgery, Physician's Regional Medical Center, Naples, Florida

Gregory R.D. Evans, MD, FACS

Professor of Surgery, The Center for Biomedical Engineering, Chief, Aesthetic & Plastic Surgery Institute, University of California, Irvine, Orange, California

Jeffrey A. Fearon, MD, FACS, FAAP

Director, The Craniofacial Center, Dallas, Texas

Alvaro A. Figueroa, DDS, MS

Co-Director, Rush Craniofacial Center, Department of Plastic and Reconstructive Surgery, Rush University Medical Center, Chicago, Illinois

Jack Fisher, MD

Associate Clinical Professor, Department of Plastic Surgery, Vanderbilt University, Nashville, Tennessee

R. Jobe Fix, MD

Professor, Department of Surgery, Division of Plastic Surgery, The University of Alabama at Birmingham; Active Staff, Department of Surgery, Division of Plastic Surgery, University of Alabama Hospital; Active Staff, Department of Surgery, Division of Plastic Surgery, The Children's Hospital of Alabama; Medical Staff, Department of Surgery, VA Medical Center, Birmingham, Alabama

James W. Fletcher, MD, FACS

Assistant Professor, Department of Surgery, Department of Orthopedic Surgery, University of Minnesota, Minneapolis, Minnesota; Chief, Hand Service, Department of Plastic and Hand Surgery, Regions Hospital, St. Paul, Minnesota

Robert S. Flowers, MD

Active Staff, Past Chairman, Department of Plastic Surgery, Queen's Medical Center; Active Staff, Kapiolani Medical Center; Professor and Director, Hawaii Postgraduate Fellowship, Program in Plastic and Asian Plastic Surgery, Honolulu, Hawaii

Christopher R. Forrest, MD, MSc, FRCSC, FACS

Professor, Division of Plastic Surgery, University of Toronto; Chief, Department of Plastic Surgery, Medical Director, Centre for Craniofacial Care and Research, Hospital for Sick Children, Toronto, Ontario, Canada

M. Brandon Freeman, MBA, MD, PhD

Aesthetic Fellow, Department of Plastic Surgery, University of Texas—Southwestern, Dallas, Texas

Jack A. Friedland, MD. FACS

Associate Professor, Department of Plastic Surgery, Mayo Medical School, Scottsdale, Arizona; Chief, Department of Plastic Surgery, Children's Rehabilitative Services, State of Arizona, St. Joseph's Hospital and Medical Center, Phoenix, Arizona; Attending Plastic Surgeon, Department of Plastic Surgery, Scottsdale Healthcare Hospitals, Scottsdale, Arizona

Karen E. Frye, MD

Associate Professor of Surgery, Department of Surgery, University of South Alabama; Associate Director, University of South Alabama Regional Burn Center, University of South Alabama Medical Center, Mobile, Alabama

Brian R. Gastman, MD

Assistant Professor, Department of Surgery (Plastic Surgery), Physician and Surgeon, Department of Surgery (Plastic Surgery) and Otolaryngology, University of Maryland, Baltimore, Maryland

Louis A. Gilula, MD, ABR, FACR

Professor of Radiology, Orthopedics, and Plastic and Reconstructive Surgery, Barnes-Jewish Hospital, Mallinckrodt Institute of Radiology, St. Louis, Missouri

Mark H. Gonzales, MD, MEng

Professor and Chairman, Department of Orthopaedic Surgery, University of Illinois at Chicago; Chairman, Department of Orthopaedic Surgery, Stroyer Hospital of Cook County; Adjunct Professor, Department of Mechanical Engineering, University of Illinois at Chicago, Chicago, Illinois

James T. Goodrich, MD, PhD, DSc (Honoris Causa)

Professor of Clinical Neurosurgery, Pediatrics, Plastic and Reconstructive Surgery, Leo Davidoff Department of Neurological Surgery, Albert Einstein College of Medicine; Director, Division of Pediatric Neurosurgery, Department of Neurological Surgery, Montefiore Medical Center, Bronx, New York

Vijay S. Gorantla, MD, PhD

Research Assistant Professor of Surgery, Division of Plastic and Reconstructive Surgery, Administrative Director, Pittsburgh Composite Tissue Allotransplantation Program, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

Mark Gorney, MD, FACS

Chief, Department of Plastic Surgery, St. Francis Memorial Hospital, San Francisco, California; Department of Surgery, Stanford University, Stanford, California

Mark S. Granick, MD

Professor of Surgery, Tenured, Department of Surgery (Plastic), New Jersey Medical School, Newark, New Jersey

Arin K. Greene, MD, MMSc

Instructor in Surgery, Department of Plastic Surgery, Children's Hospital Boston, Harvard Medical School, Boston, Massachusetts

Joshua A. Greenwald, MD, FACS

Attending Surgeon, Department of Plastic Surgery, White Plains Hospital Center, White Plains, New York

Joseph S. Gruss, MBBCh, FRCSC

Professor, Department of Surgery, University of Washington; Marlys C. Larson Endowed Chair, Department of Pediatric Craniofacial Surgery, Childrens Hospital and Regional Medical Center, Seattle, Washington

Punita Gupta, MD

Scott Radiological Group, Inc., St. Louis, Missouri

Geoffrey C. Gurtner, MD, FACS

Associate Professor, Department of Surgery, Stanford University, Stanford, California

Mark N. Halikis, MD

Associate Clinical Professor, Department of Orthopaedic Surgery, University of California, Irvine, Orange, California

Geoffrey G. Hallock, MD

Consultant, Division of Plastic Surgery, Sacred Heart Hospital; Consultant, Division of Plastic Surgery, The Lehigh Valley Hospitals, Allentown, Pennsylvania; Consultant, Division of Plastic Surgery, St. Luke's Hospital, Bethlehem, Pennsylvania

Eric G. Halvorson, MD

Assistant Professor, Director of Microsurgery, Division of Plastic and Reconstructive Surgery, The University of North Carolina, Chapel Hill, North Carolina

Dennis C. Hammond, MD

Director, The Center for Breast and Body Contouring, Grand Rapids, Michigan

Rebecca J.B. Hammond, MBA, MHSM

Research Assistant, Stephen P. Beals, MD, PC, Phoenix, Arizona

Albert R. Harris, MD

Fellow, Hand Surgery, Department of Orthopedic Surgery, Mayo Clinic, Rochester, Minnesota

Raymond J. Harshbarger III, MD

Craniofacial & Pediatric Plastic Surgery, Dell Children's Medical Center of Central Texas University Medical Center at Brackenridge, Austin, Texas

Robert J. Havlik, MD

Professor of Surgery, Department of Surgery, Indiana University; Chief of Plastic Surgery, Director of Cleft and Craniofacial Surgery, Riley Hospital for Children, Indianapolis, Indiana

Tad R. Heinz, MD, FACS

Plastic Surgeon, Plastic Surgery Private Practice, Colorado Springs, Colorado

Vincent R. Hentz, MD

Professor, Department of Surgery, Stanford University; Robert A. Chase Center for Hand and Upper Limb Surgery, Stanford Hospital and Clinics, Stanford, California; Chief of Section, Hand Surgery Center, VA Palo Alto Health Care System, Palo Alto, California

Rosemary Hickey, MD

Professor and Program Director, Department of Anesthesiology, University of Texas Health Science Center at San Antonio, San Antonio, Texas

Larry Hollier, Jr., MD

Professor, Department of Plastic Surgery, Baylor College of Medicine: Professor, Department of Plastic Surgery, Texas Children's Hospital, Houston, Texas

Roy W. Hong, MD

Attending Surgeon, Department of Plastic Surgery, Palo Alto Medical Foundation, Palo Alto, California

Erik A. Hov. MD

Resident, Department of Plastic Surgery, Brown University, Rhode Island Hospital, Providence, Rhode Island

Andrew Hsu, MD

Resident in General Surgery, Department of Surgery, Northwestern University Feinberg School of Medicine, Chicago, Illinois

Jennifer Hunter-Yates, MD

Boston Dermatology and Laser Center, Boston, Massachusetts

Ian T. Jackson, MD, DSc(Hon), FRCS, FACS, FRACS(Hon)

Director, Craniofacial Institute, Providence Hospital, Southfield, Michigan; Program Co-Chair, Plastic Surgery Residency Training Program, Wayne State University/ Detroit Medical Center, Detroit, Michigan

Lisa M. Jacob, MD

Resident, Division of Plastic Surgery, Department of Surgery, New Jersey Medical School-UMDNJ, Newark, New Jersey

Sonu A. Jain, MD

Assistant Professor, Division of Plastic and Reconstructive Surgery, University of Florida College of Medicine. Gainesville, Florida

Raymond V. Janevicius, MD, FACS

Attending Physician, Department of Surgery, Elmhurst Memorial Hospital, Elmhurst, Illinois

Shao Jiang, MD

Assistant Professor, Department of Surgery, Division of Plastic Surgery, University of Pittsburgh Medical Center; Attending Surgeon, Department of Pediatric Plastic and Craniofacial Surgery, Children's Hospital of Pittsburgh. Pittsburgh, Pennsylvania

Jesse B. Jupiter, MD

Hasjorg Wyss/AO Professor, Harvard University School of Medicine; Chief, Hand and Upper Limb Service, Orthopaedic Department, Massachusetts General Hospital, Boston, Massachusetts

Lana Kang, MD

Attending Orthpaedic Surgeon, Department of Orthopaedic Surgery, Division of Hand and Upper Extremity, Hospital for Special Surgery; Assistant Professor and Clinical Instructor, Department of Orthopaedic Surgery, Weill Medical College of Cornell University, New York, New York: Attending Orthopaedic Surgeon, Department of Orthopaedic Surgery, New York Hospital of Queens, Flushing, New York

Girish B. Kapur, MD, MPH

Assistant Professor, Department of Emergency Medicine and Global Public Health, The George Washington University, Washington, DC

Joseph Karamikian, DO

Member of the International Society of Hair Restoration Surgery; Medical Director, The New York Hair Loss Center, New York, New York

Henry K. Kawamoto, Jr., MD, DDS

Clinical Professor, Department of Surgery, Division of Plastic Surgery, University of California, Los Angeles, Los Angeles, California

Carolyn L. Kerrigan, MD, MSc, FRCSC

Professor, Department of Surgery, Dartmouth Medical School, Hanover, New Hampshire; Section Chief, Residency Program Director, Department of Surgery, Section of Plastic Surgery, Dartmouth Hitchcock Medical Center, Lebanon, New Hampshire

Christopher Khorsandi, MD

Private Practice, Henderson, Nevada, Beverly Hills, California

Dana K. Khuthaila, MD, FRCS(C)

Consultant Plastic Surgeon, Department of Surgery, King Faisal Specialist Hospital and Research Center, Rivadh. Saudi Arabia

David C. Kim, MD, FACS

Attending Physician, Department of Orthopaedic Surgery. Fallon Clinic, Worcester, Massachusetts

Jon Kline, MS, ATS, PA-C

Physician Assistant, Department of Orthopedics, West Virginia University; Physician Assistant, Department of Orthopedics, Section of Hand and Upper Extremity, West Virginia University Ruby Memorial Hospital, Morgantown, West Virginia

Cynthia L. Koudela, DDS, MSD

Affiliate Associate Professor, Department of Orthodontics, University of Washington; Orthodontist, Department of Dental Medicine, Seattle Childrens Hospital, Seattle, Washington

Thomas J. Krizek, MD

Adjunct Professor of Religious Studies, Department of Religious Studies, University of South Florida, Tampa, Florida; Adjunct Professor of Sport Business (Ethics), Department of Sport Business, School of Business, Saint Leo University, Saint Leo, Florida

Matthew D. Kwan, MD

Postdoctoral Research Fellow, Department of Surgery, Hagey Laboratory for Pediatric Regenerative Medicine, Stanford University School of Medicine; General Surgery Resident, Department of Surgery, Stanford University Medical Center, Stanford, California

Albert Lam. DMD

Private Practice, San Francisco, California

Howard N. Langstein, MD, FACS

Professor of Surgery, Division of Plastic Surgery, University of Rochester; Chief, Department of Surgery, Division of Plastic Surgery, Strong Memorial Hospital, Rochester, New York

Don LaRossa, MD

Professor of Surgery Emeritus, Department of Surgery, University of Pennsylvania School of Medicine; Senior Surgeon, Department of Surgery, Children's Hospital of Philadelphia, Philadelphia, Pennsylvania

Donald R. Laub, Jr., MS, MD, FACS

Associate Professor, Department of Surgery, University of Vermont College of Medicine; Interim Chief of Plastic Surgery, Department of Surgery, Fletcher Allen Health Care, Burlington, Vermont

Jonathan L. Le, MD

Director, Chrysalis Aesthetic and Reconstructive Surgery, Los Gatos, California

Raphael C. Lee, MD, ScD, DSc(Hon), FACS

Professor of Plastic Surgery, Dermatology, Molecular Medicine, Organismal Biology, and Anatomy (Biomechanics), Director, Center of Research in Cellular Repair, Director, Electrical Trauma Program, Attending Physician, Department of Surgery, University of Chicago Hospitals; Associate Staff, Department of Surgery, La Rabida Children's Hospital, Chicago, Illinois; Associate Staff, Department of Surgery, St. Mary Medical Center, Hobart, Indiana

W.P. Andrew Lee, MD

Professor of Surgery and Orthopaedic Surgery, Chief, Division of Plastic Surgery, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania

Dennis E. Lenhart, MD

Resident, Division of Plastic Surgery, University of Illinois College of Medicine, University of Illinois Hospital, Chicago, Illinois

L. Scott Levin, MD, FACS

Paul B. Magnuson Professor of Bone and Joint Surgery, University of Pennsylvania School of Medicine, Chairman, Department of Orthopaedic Surgery, Professor of Plastic Surgery, Hospital of the University of Pennsylvania, Philadelphia, Pennsylvania

David M. Lichtman, MD

Professor and Chairman, Department of Orthopaedic Surgery, University of North Texas Health Science Center; Chairman, Department of Orthopaedic Surgery, John Peter Smith Hospital; Staff, Department of Orthopaedics, Harris Methodist Fort Worth, Fort Worth, Texas

James Lilley, MD

Resident, Department of Orthopedic Surgery, University of California, Irvine, School of Medicine, UCI Medical Center, Orange, California

Kant Y. Lin, MD

Professor, Department of Plastic Surgery, University of Virginia School of Medicine; Chief, Division of Craniofacial Surgery, Department of Plastic Surgery, University of Virginia Hospital, Charlottesville, Virginia

John William Little, MD, FACS

Clinical Professor of Surgery (Plastic), Department of Surgery, Georgetown University School of Medicine, Georgetown University Hospital, Washington, DC

Michael T. Longaker, MD, MBA, FACS

Deane P. and Louise Mitchell Professor, Division of Plastic and Reconstructive Surgery, Department of Surgery, Stanford University Medical Center, Stanford, California

Matthew S. Loos, MD

General Surgery Resident, Department of General Surgery, West Virginia University, Morgantown, West Virginia

Joseph E. Losee, MD, FACS, FAAP

Associate Professor of Surgery, Department of Surgery, Division of Plastic Surgery, University of Pittsburgh School of Medicine; Chief, Division of Pediatric Plastic Surgery, Director, Cleft-Craniofacial Center, Division of Pediatric Plastic Surgery, Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania

Arnold Luterman, MD, FRCS(C), FACS

Ripps-Meisler Professor of Surgery, Assistant Dean of Graduate Medical Education, Department of Surgery, University of South Alabama; Director, Regional Burn and Wound Center, University of South Alabama Medical Center, Mobile, Alabama

Sheilah A. Lynch, MD

Clinical Instructor, Department of Plastic Surgery, Georgetown University, Washington, DC

Susan E. Mackinnon, MD

Shoenberg Professor and Chief, Division of Plastic and Reconstructive Surgery, Washington University School of Medicine; Barnes-Jewish Hospital, St. Louis, Missouri

Terry R. Maffi, MD, FACS

Adjunct Faculty, Department of Plastic and Reconstructive Surgery, Mayo Clinic, Scottsdale, Arizona; Adjunct Faculty, Department of Plastic and Reconstructive Surgery, Mayo Clinic, Rochester, New York

Eric J. Mahoney, MD

Assistant Professor of Surgery, Department of Surgery, Boston University School of Medicine; Surgeon, Division of Trauma and Surgical Critical Care, Brown Medical Center, Boston, Massachusetts

Ahmed Seif Makki, MD, FRCS

Senior Consultant Plastic Surgeon, Department of Plastic Surgery, Plastic Surgicentre, Doha, Qatar

Jeffrey V. Manchio, MD

Resident, Department of General Surgery, Saint Joseph Mercy Hospital, Ann Arbor, Michigan; Research Fellow, Department of Plastic Surgery, Lahey Clinic Medical Center, Burlington, Massachusetts

Ernest K. Manders, MD

Professor of Surgery, Department of Surgery, Division of Plastic Surgery, The University of Pittsburgh, The University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

Mahesh H. Mankani, MD, FACS

Associate Professor, Department of Surgery, University of California, San Francisco, San Francisco, California

Paul N. Manson, MD

Professor and Chief, Department of Plastic Surgery, Johns Hopkins University; Chief of Plastic Surgery, Johns Hopkins Hospital; Professor of Surgery, University of Maryland Shock Trauma Center, Baltimore, Maryland

Daniel Marchac, MD

Professeur Associc', Collège Médecine des Hôpitaux de Paris, Paris, France

Malcolm W. Marks, MD

Chairman and Professor, Department of Plastic and Reconstructive Surgery, Wake Forest University/Baptist Medical Center: Department of Plastic and Reconstructive Surgery, North Carolina Baptist Hospital, Winston-Salem, North Carolina

William J. Martin, MD

Chairman, Aspen Institute of Plastic and Reconstructive Surgery: Chairman, Department of Plastic and Reconstructive Surgery. Aspen Valley Hospital, Aspen, Colorado

Paul A. Martineau, MD, FRCSC

Assistant Professor, Department of Orthopaedic Surgery. McGill University; Staff Surgeon, Department of Orthopaedic Surgery, Section of Upper Extremity Surgery, McGill University Health Center, Montreal, Quebec, Canada

Stephen J. Mathes, MD

Professor of Surgery, Chief, Division of Plastic Surgery, University of California, San Francisco, School of Medicine, San Francisco, California

G. Patrick Maxwell, MD

Director, The Institute for Aesthetic and Reconstructive Surgery, Nashville, Tennessee

Joseph G. McCarthy, MD

Lawrence D. Bell Professor of Plastic Surgery, New York University School of Medicine; Director, Institute of Reconstructive Plastic Surgery, New York University Medical Center, New York, New York

William T. McClellan, MD

Private Practice, Morgantown Plastic Surgery Associates, Morgantown, West Virginia

Michael P. McConnell, MD

Fellow, Aesthetic and Plastic Surgery Institute, University of California, Irvine, Orange, California

Robert M. McFarlane, MD, FRCSC

Professor Emeritus, Hand and Upper Limb Centre and Division of Plastic Surgery, University of Western Ontario Faculty of Medicine; Consultant, St. Joseph's Health Centre, London, Ontario, Canada

Mary H. McGrath, MD, MPH, FACS

Professor of Surgery, Staff Surgeon, Department of Surgery, Division of Plastic Surgery, University of California, San Francisco; Staff Surgeon, Department of Plastic Surgery, San Francisco General Hospital; Attending Surgeon, Department of Plastic Surgery, San Francisco Veterans Administration Medical Center, San Francisco, California

Leslie T. McQuiston, MD

Assistant Professor of Surgery, Department of Pediatric Urology, Dartmouth Medical School, Hanover, New Hampshire; Staff Pediatric Urologist, Surgery/Pediatric Surgery Section, Dartmouth Hitchcock Medical Center, Lebanon, New Hampshire

Vineet Mehan, MD

Resident, Department of Plastic Surgery, Brown University. Providence, Rhode Island

Anjali R. Mehta, MD, MPH

Chief Resident, Department of Otorhinolaryngology-Head and Neck Surgery, University of Maryland, Baltimore, Maryland

Julie A. Melchior, MD

Assistant Clinical Professor, Department of Orthopaedic Surgery, University of California, Los Angeles Medical Center, Los Angeles, California; Partner Physician. Department of Orthopaedic Surgery, Colorado Permanente Medical Group, Lafayette, Colorado

Robert M. Menard, MD, FACS

Surgical Director, Pediatric Plastic and Craniofacial Surgery. Northern California Kaiser Permanente Craniofacial Clinic. The Permenente Medical Group, Santa Clara, California; Clinical Associate Professor of Plastic Surgery, Division of Plastic Surgery, Stanford University School of Medicine, Stanford, California

Frederick Menick, MD

Associate Clinical Professor, Division of Plastic Surgery. University of Arizona; Chief Plastic Surgeon, Surgery Department, St. Joseph's Hospital, Tucson, Arizona

Martin C. Mihm, Jr., MD

Clinical Professor, Department of Pathology and Dermatology, Harvard Medical School; Pathologist/Associate Dermatologist, Department of Pathology and Dermatology Services, Massachusetts General Hospital, Boston, Massachusetts

D. Ralph Millard, Jr., MD, FACS, Hon. FRCS(Edin), Hon. FRCS, OD Ja.

Light-Millard Professor and Chairman Emeritus, Division of Plastic Surgery, University of Miami School of Medicine, Jackson Memorial Hospital, Miami Children's Hospital. Miami, Florida

Fernando Molina, MD

Professor of Plastic and Reconstructive Surgery, Universidad Nacional Autonoma De Mexico: Professor of Plastic and Reconstructive Surgery, Head, Division of Plastic, Aesthetic and Reconstructive Surgery, Hospital General Dr. Manuel Gea Gonzalez, S.S., Mexico

Fernando Ortiz Monasterio, MD

Professor Emeritus, Faculty of Medicine, Postgraduate Division, Universidad Nacional Autonoma de Mexico; Professor of Plastic Surgery, Chairman, Craniofacial Clinic. Division of Plastic and Reconstructive Surgery, Hospital General Manuel Gea Gonzalez, Mexico City, Mexico

此为试读, 需要完整PDF请访问

Louis Morales, Jr., MD

Director, Foundation of Utah; Director, Pediatric Plastic and Craniofacial Fellowship, Primary Children's Hospital, Salt Lake City, Utah

Robert J. Morin, MD

Craniofacial Fellow, Department of Plastic Surgery, Miami Children's Hospital, Miami, Florida

Chaitanya S. Mudgal, MD, MS(Orth), MCh(Orth)

Instructor, Department of Orthopaedic Surgery, Harvard Medical School; Staff, Department of Orthopaedic Surgery, Orthopaedic Hand Service, Massachusetts General Hospital, Boston, Massachusetts

John B. Mulliken, MD

Professor of Surgery, Harvard Medical School; Director, Craniofacial Center, Department of Plastic Surgery, Children's Hospital, Boston, Massachusetts

Thomas A. Mustoe, MD, FACS

Professor and Chief, Department of Surgery, Division of Plastic and Reconstructive Surgery, Northwestern University Medical School, Chicago, Illinois; Northwestern Memorial Hospital, Evanston, Illinois

Jeffrey N. Myers, MD, PhD, FACS

Professor and Director of Research, Deputy Chair for Academic Programs, Department of Head and Neck Surgery, The University of Texas M.D. Anderson Cancer Center, Houston, Texas

Maurice Y. Nahabedian, MD, FACS

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

Michael W. Neumeister, MD, FACS, FRCS

Professor and Chairman, Director of Hand Fellowship, Division of Plastic Surgery, Southern Illinois University School of Medicine, Springfield, Illinois

Mary Lynn Newport, MD

Department of Orthopaedics, University of Connecticut Health Center-John Dempsey Hospital, Farmington, Connecticut

Zahid Niazi, MD, FRCSI, FICS, FNYAM

Chairman, Department of Surgery, Attending Plastic Surgeon, Department of Surgery, Methodist Hospital, Sacramento, California

Sacha Obaid, MD

Founder, North Texas Plastic Surgery, PLLC, Southlake. Texas

Suzanne Olbricht, MD

Associate Professor of Dermatology, Harvard Medical School; Chair, Department of Dermatology, Lahey Clinic. Burlington, Massachusetts

Osak Omulepu, MD

Private Practice, Fort Lauderdale, Florida

Sonal Pandva, MD

Senior Staff, Department of Plastic and Reconstructive Surgery, Lahey Clinic, Burlington, Massachusetts

Marcello Pantaloni, MD

Attending Surgeon, Department of Plastic Surgery, University of Milan, Milan, Italy

Frank A. Papay, MD, FACS, FAAP

Associate Professor of Surgery, Department of Surgery, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University: Vice Chairman and Section Head of Craniomaxillofacial Surgery, Department of Plastic Surgery, Cleveland Clinic, Cleveland, Ohio

Robert J. Paresi, Jr., MD, MPH

Attending Plastic Surgeon, Department of Plastic Surgery, Florida Hospital, Orlando, Florida

Amar Patel, MD

Fellow, Department of Orthopedic Surgery, The Warren Alpert School of Medicine at Brown University; Fellow, Department of Orthopedic Surgery, Rhode Island Hospital, Providence, Rhode Island

Jagruti C. Patel, MD, FACS

Chief of Plastic Surgery, Northeast Hospital Corporation, Beverly, Massachusetts

Wilfred C.G. Peh. MBBS. MD. FRCP. FRCR

Clinical Professor, Yong Loo Lin School of Medicine, National University of Singapore; Senior Consultant, Department of Diagnostic Radiology, Alexandra Hospital, Singapore, China

Jane A. Petro, MD, FACS

Professor of Surgery, Department of Surgery, New York Medical College, Valhalla, New York; Chief Plastic Surgery, Department of Surgery, Northern Westchester Hospital, Mt. Kisco, New York: Chief Medical Officer, Department of Plastic Surgery, American Academy of Cosmetic Surgery Hospital, Dubai, United Arab Emirates

John W. Polley, MD

Professor, Chairman, Department of Plastic and Reconstructive Surgery, Rush University Medical Center: Co-Director, Rush Craniofacial Center-Plastic and Reconstructive Surgery, Rush University Medical Center. Chicago, Illinois

Samuel O. Poore, MD, PhD

Resident, Division of Plastic and Reconstructive Surgery. University of Wisconsin, University of Wisconsin Hospital, Madison, Wisconsin

Julian J. Pribaz. MD

Professor of Surgery, Harvard Medical School; Plastic Surgeon. Brigham and Women's Hospital, Boston, Massachusetts

Somavaii Ramamurthy, MD

Professor, Department of Anesthesiology, University of Texas Health Science Center at San Antonio, San Antonio, Texas

Sai S. Ramasastry, MD, FRCS, FACS

Associate Professor of Plastic Surgery, Department of Surgery, University of Illinois at Chicago; Attending Plastic Surgeon, Department of Surgery, University of Illinois at Chicago Medical Center, Chicago, Illinois

David L. Ramirez, MD

Plastic and Reconstructive Surgeon, Department of Craniofacial Surgery, Universidad Nacional Autonoma de Mèxico; Plastic and Reconstructive Surgeon, Department of Plastic Surgery, Hospital General "Dr. Manuel Gea Gonzalez", Mexico City, Mexico; Plastic and Reconstructive Surgeon, Department of Plastic and Reconstructive Surgery, Hospital StarMèdica, Morelia, Michoacan, Mexico

Clinical Assistant Professor, Plastic Surgery Division, The Johns Hopkins University, Baltimore, Maryland; Director, Esthetique Internationale, Timonium, Maryland

Peter Randall, MD, FACS

Emeritus Professor of Plastic Surgery, Department of Surgery, University of Pennsylvania School of Medicine; Retired Chief of Plastic Surgery, Department of Surgery, Hospital of the University of Pennsylvania; Retired Chief of Plastic Surgery, Department of Surgery, Children's Hospital of Philadelphia, Philadelphia, Pennsylvania

Peter D. Ray, MD

Assistant Professor of Surgery, Division of Plastic and Reconstructive Surgery, University of Alabama, Birmingham, Alabama

W. Bradford Rockwell, MD

Associate Professor and Chief, Division of Plastic Surgery, University of Utah School of Medicine, Salt Lake City, Utah

Craig M. Rodner, MD

Assistant Professor, Department of Orthopaedics, University of Connecticut Health Center, Farmington, Connecticut

Alan Rosen, MD

Attending Orthopaedic Surgeon, Houston Northwest Medical Center, Houston, Texas

Harvey Rosen, MD, DMD

Clinical Associate Professor of Surgery, Department of Surgery, University of Pennsylvania, Philadelphia, Pennsylvania

Douglas C. Ross, MD, MEd, FRCSC

Associate Professor and Chair, Division of Plastic Surgery, Hand and Upper Limb Centre, Department of Surgery, University of Western Ontario, London, Ontario, Canada

Shai Rozen, MD

Assistant Professor, Department of Plastic Surgery, University of Texas Southwestern Medical Center, Dallas, Texas

Leonard K. Ruby, MD

Professor of Orthopaedic Surgery, Department of Orthopaedic Surgery, Division of Hand Surgery, Tufts University School of Medicine; Chief Emeritus, Division of Hand Surgery, Department of Orthopaedic Surgery, Tufts-New England Medical Center, Boston, Massachusetts

Jaiyoung Ryu, MD

Professor and Chief, Hand & Upper Extremity Service, Department of Orthopaedics, West Virginia University; Attending Hand and Orthopaedic Surgeon, West Virginia University Hospitals, Morgantown, West Virginia

Justin M. Sacks, MD

Assistant Professor, Department of Plastic Surgery, MD Anderson Cancer Center, University of Texas, Houston, Texas

Jhonny Salomon, MD, FACS

Plastic Surgeon, Department of Surgery, Baptist Hospital; Plastic Surgeon, Department of Surgery, South Miami Hospital, Miami, Florida

Kenneth E. Salyer, MD, FACS, FAAP

Adjunct Professor, Department of Orthodontics and Biomedical Sciences, Baylor Dental School, Texas A&M Systems; Chairman of the Board, World Craniofacial Foundation, Dallas, Texas; Consultant, Craniofacial Surgery, Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Taipei, Taiwan;

Clinical Professor, Department of Plastic and Reconstructive Surgery, Craniofacial Surgery, Hospital Manuel Gea-Gonzalez, Mexico City, Mexico

Sven N. Sandeen, MD

Attending Surgeon, Department of Plastic and Reconstructive Surgery, Northwest Medical Center, Tucson, Arizona

Shawkat Sati, MD

Chief Resident, Department of Plastic and Reconstructive Surgery, Lahey Clinic, Burlington, Massachusetts

Stefan Schneeberger, MD

Director, CTA Program Pittsburgh, Assistant Professor of Surgery, Division of Plastic Surgery, Department of Surgery, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania; Associate Professor of Surgery, Department of General and Transplant Surgery, Innsbruck Medical University, Innsbruck, Austria

David P. Schnur, MD

Clinical Assistant Professor, Department of Surgery, University of Colorado Health Science Center, Denver, Colorado

Paul L. Schnur, MD

Associate Professor of Plastic Surgery (Retired), Department of Plastic Surgery, Mayo Medical School, Scottsdale, Arizona; Chair (Retired), Division of Plastic Surgery, Mayo Clinic Hospital; Clinical Associate Professor of Surgery, Department of Plastic Surgery, University of Arizona College of Medicine, Phoenix, Arizona

Richard C. Schultz, MD, FACS

Emeritus Professor of Surgery, Department of Surgery, Division of Plastic Surgery, University of Illinois at Chicago, Chicago, Illinois; Senior Surgeon, Department of Surgery, Lutheran General Hospital, Park Ridge, Illinois

David M. Schwartzenfeld, DO

Botsford General Hospital, Department of Family Medicine, Farmington Hills, Michigan; International Society of Hair Restoration Surgery, Geneva, Illinois

Karl A. Schwarz, MD, MSc, FRCSC

Assistant Professor, Division of Plastic Surgery, McGill University Health Center, Montreal, Quebec, Canada

Brooke R. Seckel, MD, FACS

Assistant Professor of Surgery, Department of Plastic Surgery, Harvard Medical School, Boston, Massachusetts; Staff Surgeon, Department of Plastic Surgery, Emerson Hospital, Concord, Massachusetts; Staff Surgeon, Department of Plastic Surgery, Lahey Clinic, Burlington, Massachusetts

John T. Seki, MD, FRCSC, FACS

Chief, Department of Surgery, Division of Plastic Surgery, Orillia Soldiers' Memorial Hospital, Orillia, Ontario, Canada

Alex Senchenkov, MD

Fellow in Microvascular Reconstructive Surgery, Department of Surgery, Division of Plastic Surgery, The University of Pittsburgh, The University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

Mark Shashikant, MD

Attending Surgeon, Division of Plastic Surgery, Walter Reed Army Medical Center, Washington, D.C.

Dan H. Shell IV, MD

Plastic Surgery Resident, Department of Surgery, University of Alabama at Birmingham, Birmingham, Alabama

Saleh M. Shenag, MD, FACS

Professor and Chief, Division of Plastic Surgery, Department of Surgery, Baylor College of Medicine; Methodist Hospital; Texas Children's Hospital; St. Luke's Episcopal Hospital; Texas Institute for Rehabilitation and Research, Houston, Texas

Michele A. Shermak, MD

Associate Professor of Plastic Surgery, Department of Surgery, Johns Hopkins School of Medicine; Chief of Plastic Surgery, Department of Surgery, Division of Plastic Surgery, Johns Hopkins Bayview Medical Center, Baltimore, Maryland

Prasanna-Kumar Shivapuja, BDS, MDS(ortho), DDS. MS(ortho)

Diplomate, American Board of Orthodontics; Private Practice, Roseville, Michigan

Maria Siemionow, MD, PhD, DSc

Professor of Surgery, Department of Surgery, Cleveland Clinic Lerner College of Medicine of Case Western Reserve University; Director of Plastic Surgery Research, Head of Microsurgery Training, Department of Plastic Surgery, Cleveland Clinic, Cleveland, Ohio

Davinder J. Singh, MD

Attending Surgeon, Barrow Craniofacial Center, Barrow Neurological Institute; Attending Surgeon, Department of Surgery, Phoenix Children's Hospital, Phoenix, Arizona

Sumner A. Slavin, MD

Associate Clinical Professor of Surgery, Harvard Medical School; Chief, Division of Plastic Surgery, Beth Israel Deaconess Medical Center, Boston, Massachusetts

Eugene M. Smith, Jr., MD, FACS

Private Practice, Atlanta, Georgia

Erhan Sonmez, MD

Research Fellow, Microsurgery Laboratory, Department of Plastic Surgery, Cleveland Clinic, Cleveland, Ohio

Nicholas J. Speziale, MD, FACS

Private Practice, Palos Heights, Illinois

Melvin Spira, MD, DDS

Professor of Surgery, Division of Plastic Surgery, Baylor College of Medicine; Emeritus Surgical Staff, Department of Plastic Surgery, The Methodist Hospital; Emeritus Surgical Staff, Department of Plastic Surgery, Texas Childrens Hospital, Houston, Texas

John L. Spolyar, DDS, MS

Department of Orthodontics, University of Detroit Mercy School of Dentistry, Detroit, Michigan; Department of Surgery, Providence Hospital of Southfield, Southfield, Michigan; Private Practice, Your Smile Orthodontics, PC, Clinton Township, Michigan

David A. Staffenberg, MD, DSc(Hon)

Associate Professor, Clinical Plastic Surgery, Neurological Surgery, and Pediatrics, Department of Surgery, Albert Einstein College of Medicine of Yeshiva University; Chief of Plastic Surgery, Department of Surgery, Monte

Samuel Stal. MD

Chief of Service, Department of Plastic Surgery, Texas Children's Hospital; Chief of Division, Plastic Surgery, Department of Surgery, Baylor College of Medicine, Houston, Texas

Eric J. Stelnicki, MD

Associate Professor, Department of Plastic Surgery, Cleveland Clinic Florida, Weston, Florida; Medical Director, Department of Cleft and Craniofacial Surgery, Joe DiMaggio Children's Hospital, Hollywood, Florida; Associate Professor, Department of Dentistry, Nova Southeastern University, Fort Lauderdale, Florida

Mitchell A. Stotland, MD, MS, FRCSC

Associate Professor, Department of Surgery; Department of Pediatrics, Dartmouth Medical School, Hanover, New Hampshire; Associate Professor, Director, Craniofacial Anomalies Clinic, Department of Surgery; Department of Pediatrics, Dartmouth Hitchcock Medical Center, Lebanon, New Hampshire

James W. Strickland, MD

Clinical Professor of Orthopaedic Surgery, Department of Orthopaedic Surgery, Indiana University School of Medicine; Department of Orthopaedic Surgery, St. Vincent Hospital; Department of Orthopaedic Surgery, Clarian Hospital, Indianapolis, Indiana; Instructor, Department of Orthopaedic Surgery, Washington University School of Medicine, St. Louis, Missouri

Brent V. Stromberg, MD, FACS

Attending Plastic Surgeon, Department of Surgery, St. John's Medical Center; Attending Plastic Surgeon, St. Anthony's Medical Center, St. Louis, Missouri

Patrick K. Sullivan, MD

Associate Professor, Department of Plastic Surgery, Brown University School of Medicine; Associate Professor and Plastic Surgeon, Department of Plastic Surgery, Brown University, Women & Infants; Associated Professor and Plastic Surgeon, Department of Plastic Surgery, Rhode Island Hospital, Providence, Rhode Island

Matthew R. Swelstad, MD

Chief Resident, Division of Plastic and Reconstructive Surgery, University of Wisconsin Hospital and Clinics, Madison, Wisconsin

Julio Taleisnik, MD

Clinical Professor, Department of Orthopaedics, University of California, Irvine, Irvine, California; Department of Orthopaedics, St. Joseph Hospital, Orange, California

Peter J. Taub, MD, FACS, FAAP

Associate Professor, Surgery and Pediatrics, Department of Surgery/Plastic Surgery, Mount Sinai Medical Center; Co-Director, Mount Sinai Cleft and Craniofacial Center, Department of Surgery/Plastic Surgery, Kravis Children's Hospital at Mount Sinai, New York, New York; Attending Surgeon, Department of Surgery/Plastic Surgery, Elmhurst Hospital Center, Elmhurst, New York; Attending Surgeon, Department of Surgery/Plastic Surgery, Westchester Medical Center, Valhalla, New York

Oren M. Tepper, MD

House Staff, Institute of Reconstructive Plastic Surgery, New York University Medical Center, New York, New York

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

Professor, Department of Surgery, Division of Plastic and Reconstructive Surgery, Eastern Virginia Medical School. Norfolk, Virginia

Dean M. Toriumi, MD

Professor, Department of Otolaryngology-Head and Neck Surgery, University of Illinois at Chicago, University of Illinois Medical Center, Chicago, Illinois

Bryant A. Toth. MD

Assistant Clinical Professor of Plastic Surgery, Department of Plastic and Reconstructive Surgery, University of California, San Francisco, San Francisco, California

Thomas Trumble, MD

Professor and Chief, Hand and Microvascular Surgery, Department of Orthopaedics and Sports Medicine, University of Washington Medical Center; Professor. Department of Orthopaedics and Sports Medicine. Harborview Medical Center; Professor, Department of Orthopaedics and Sports Medicine, Children's Hospital and Medical Center, Seattle, Washington

Raymond Tse, MD, FRCSC

Clinical Instructor, Division of Plastic Surgery, Department of Surgery, University of British Columbia; Attending Surgeon, Division of Plastic Surgery, Department of Surgery, Vancouver Island Health Authority, Victoria, British Columbia, Canada

Raoul Tubiana, MD

Associate Professor, Department of Orthopaedics, University of Paris; Hopital Cochin; Founder and Past President. Institut de la Main, Paris, France

Joseph Upton III, MD

Associate Clinical Professor of Surgery, Harvard Medical School; Associate Clinical Professor of Surgery. Attending Surgeon, Department of Plastic Surgery, Beth Israel Deaconess Medical Center; Senior Associate Attending Surgeon, Department of Plastic Surgery, Children's Hospital; Senior Surgeon, Department of Plastic Surgery, Shriners Burn Hospital, Boston. Massachusetts

Luis O. Vásconez, MD

Vice Chair, Department of Surgery, Professor and Chief, Division of Plastic Surgery, University of Alabama-Birmingham; Plastic Surgeon in Chief, University of Alabama Hospital and Clinics, Birmingham, Alabama

Nicholas B. Vedder, MD, FACS

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

Adam J. Vernadakis, MD

Senior Staff, Department of Plastic Surgery, Lahey Clinic, Burlington, Massachusetts; Major, Westover ARB, United States Air Force Reserve, Chicopee. Massachusetts

Armand D. Versaci, MD

Emeritus Clinical Professor, Department of Plastic Surgery. Brown Medical School; Emeritus Chief, Department of Plastic Surgery, Rhode Island Hospital, Providence, Rhode Island

William F. Wagner, MD

Clinical Instructor, Department of Orthopedic Surgery and Sports Medicine, University of Washington; Hand Surgeon, Seattle Hand Surgery Group, Seattle, Washington

Jennifer L. Walden, MD. FACS

Associate Attending, Program Director, Department of Plastic Surgery, Manhattan Eye, Ear, and Throat Hospital, New York, New York

Derrick C. Wan. MD

Resident, Division of Plastic and Reconstructive Surgery. University of California Los Angeles, Los Angeles, California

Stephen M. Warren, MD

Associate Professor of Surgery (Plastic), Institute of Reconstructive Plastic Surgery, New York University Medical Center, New York, New York

H. Kirk Watson, MD

Clinical Professor, Department of Orthopaedic Surgery. University of Connecticut School of Medicine, Farmington, Connecticut; Senior Staff, Department of Orthopaedic Surgery, Hartford Hospital; Consultant Staff, Department of Orthopaedic Surgery, Connecticut Children's Medical Center; Director, Connecticut Combined Hand Surgery Fellowship, Hartford. Connecticut

Renata V. Weber, MD

Assistant Professor, Department of Plastic and Reconstructive Surgery, Albert Einstein College of Medicine of Yeshiva University; Attending Physician, Department of Plastic and Reconstructive Surgery, Montefiore Medical Center, Bronx, New York

Andrew J. Weiland, MD

Professor of Orthopaedic Surgery, Professor of Plastic Surgery, Weill Cornell Medical College; Attending Orthopaedic Surgeon, Hospital for Special Surgery, New York, New York

Adam B. Weinfeld, MD

Attending Plastic Surgeon, Department of Plastic Surgery, University Medical Center at Brackenridge; Attending Plastic Surgeon, Department of Plastic Surgery, Dell Children's Medical Center of Central Texas, Austin, Texas

Jeffrey Weinzweig, MD, FACS

Chief of Craniofacial Surgery, Director, Craniofacial Anomalies Program, Division of Plastic Surgery, Illinois Masonic Medical Center; Director, The Chicago Center for Plastic & Reconstructive Surgery, Chicago, Illinois

Norman Weinzweig, MD, FACS

Professor, Department of Plastic and Reconstructive Surgery, Rush Univeristy Medical Center, Chicago, Illinois

Arnold-Peter C. Weiss, MD

Professor of Orthopaedics, Assistant Dean of Medicine (Admissions), Alpert Medical School of Brown University, Rhode Island Hospital, Providence, Rhode Island

Linton A. Whitaker, MD

Professor of Surgery (Plastic Surgery), Chief Emeritus,
Department of Surgery, The University of Pennsylvania
School of Medicine; Senior Surgeon, Department of
Plastic Surgery, The Children's Hospital of Philadelphia;
Attending Surgeon, Department of Surgery, Hospital
of the University of Pennsylvania; Director, Edwin &
Fannie Gray Hall Center for Human Appearance, The
University of Pennsylvania Health System, Philadelphia,
Pennsylvania

Deborah J. White, MD

Attending Physician, Department of Surgery, Scottsdale Healthcare Shea, Scottsdale, Arizona

Lisa Ann Whitty, MD

Plastic Surgery Fellow, Division of Plastic Surgery, Mayo Clinic, Rochester, Minnesota

S. Anthony Wolfe, MD, FACS, FAAP

Chief, Department of Plastic Surgery, Miami Children's Hospital, Miami, Florida

Ronit Wollstein, MD

Assistant Professor of Surgery and Orthopedic Surgery, Department of Surgery, Division of Plastic and Reconstructive Hand Surgery, University of Pittsburgh Medical School, Pittsburgh, Pennsylvania

Albert S. Woo, MD

Assistant Professor, Plastic Surgery, Department of Surgery, Washington University; Assistant Professor, Plastic Surgery, Department of Surgery, Barnes-Jewish Hospital; Assistant Professor, Plastic Surgery, Department of Surgery, Saint Louis Children's Hospital, Saint Louis, Missouri

R. Christie Wray, Jr., MD

Professor and Chief Emeritus, Department of Surgery, Section of Plastic and Reconstructive Surgery, Medical College of Georgia; Professor of Surgery, Surgery Service Line, Section of Plastic Surgery, VA Medical Center and Downtown Division, Augusta, Georgia

Michael J. Yaremchuk, MD, FACS

Clinical Professor of Surgery, Harvard Medical School; Chief of Craniofacial Surgery, Division of Plastic and Reconstructive Surgery, Massachusetts General Hospital, Boston, Massachusetts

Soheil S. Younai, MD, FACS

Staff Surgeon, Department of Surgery, Tarzana Regional Medical Center, Tarzana, California

Jack C. Yu, DMD, MD, MS ED

Milford B. Hatcher Professor and Chief, Section of Plastic Surgery, Department of Surgery, Medical College of Georgia; Chief of Plastic Surgery, Department of Surgery, MCG Health, Inc., Augusta, Georgia

Eser Yuksel, MD

Associate Professor, Department of Plastic Surgery, Baylor College of Medicine; Attending Physician, Department of Plastic Surgery, Methodist Hospital; Attending Physician, Department of Plastic Surgery, St. Luke's Hospital; Adjunct Associate Professor, Department of Bioengineering, Rice University, Houston, Texas

Alarick Yung, MD

Clinical Instructor, Department of Orthopaedics, Tufts
University School of Medicine, Tufts New England Medical
Center, Boston, Massachusetts

Priya S. Zeikus, MD

Assistant Professor, Department of Dermatology, University of Texas Southwest Medical School, Dallas, Texas

Richard J. Zienowicz, MD, FACS

Associate Professor of Plastic Surgery, Department of Plastic Surgery, Brown University School of Medicine, Rhode Island Hospital, Providence, Rhode Island

ACKNOWLEDGMENTS

The orchestration of almost 300 authors from four continents was no easy task. Producing the second edition of a text that, over the past decade, has become a household name in the lexicon of trainees and practicing plastic surgeons around the world was even less easy. The goal of such an undertaking must be to over-deliver—to exceed expectations. And expectations were quite high for this volume. Compilation of this text demanded attention to innumerable details and warranted a dedicated team committed to producing a book that would surpass the original. I was extremely fortunate to have had just such a team involved in the vast undertaking of producing the second edition of *Plastic Surgery Secrets*.

I am indebted to the scores of renowned specialists from a multitude of disciplines, including plastic surgery, otolaryngology, dermatology, orthopaedic surgery, general surgery, urology, breast surgery, speech pathology, radiology, hand therapy, anesthesiology, and orthodontics, who contributed their expertise and ingenuity to produce the 155 superbly crafted chapters that comprise the second edition of *Plastic Surgery Secrets*. The coordination of communication with an endless stream of these cleverly elusive contributors was only possible due to the natural predatory instincts of my extraordinary administrative assistant, Carolynn Turke. My appreciation transcends words.

Elsevier provided an editorial and production staff with open minds and a willingness to allow digression now and then from convention. I remain forever grateful to Linda Belfus of Hanley & Belfus, who created the *Secrets*® series before merging with Elsevier and who took a chance on me when I pitched the original idea for *Plastic Surgery Secrets* while still a plastic surgery resident in the mid-1990s. I am especially thankful to my developmental editor, Andrea Vosburgh, my production editor, Kate Mannix, my design manager, Steven Stave, and my senior acquisitions editor, Jim Merritt, whose efforts in bringing this project to fruition have been exemplary. I have no doubt they are greatly relieved with its completion and welcome the serenity that has supplanted the deadline-induced hysteria. At least for now.