Contributors

CONSULTING EDITOR

RUI P. FERNANDES, MD, DMD, FACS, FRCS(Ed)
Clinical Professor and Chief, Division of Head and Neck Surgery, Program Director, Head and Neck Oncologic Surgery and Microvascular Reconstruction Fellowship, Departments of Oral and Maxillofacial Surgery, Neurosurgery, and Orthopaedic Surgery and Rehabilitation, University of Florida Health Science Center, University of Florida College of Medicine, Jacksonville, Florida, USA

EDITORS

MICHAEL R. MARKIEWICZ, DDS MPH, MD, FACS
Professor and Chair, Department of Oral and Maxillofacial Surgery, William M. Feagans Endowed Chair, Associate Dean for Hospital Affairs, School of Dental Medicine, Clinical Professor, Department of Neurosurgery, Division of Pediatric Surgery, Department of Surgery, Jacobs School of Medicine and Biomedical Sciences, University at Buffalo, Co-Director, Craniofacial Center of Western New York, John R. Oishei Children’s Hospital, Buffalo, New York

VEERASATHPURUSH ALLAREDDY, BDS, PhD
Brodie Craniofacial Endowed Chair, Professor and Head, Department of Orthodontics, College of Dentistry, The University of Illinois at Chicago, Chicago, Illinois

MICHAEL MILORO, DMD, MD, FACS
Professor and Head, Department of Oral and Maxillofacial Surgery, College of Dentistry, The University of Illinois at Chicago, Chicago, Illinois

AUTHORS

VEERASATHPURUSH ALLAREDDY, BDS, PhD
Brodie Craniofacial Endowed Chair, Professor and Head, Department of Orthodontics, College of Dentistry, The University of Illinois at Chicago, Chicago, Illinois

SHAYNA AZOULAY-AVINOAM, DDS
Resident, Department of Orthodontics, College of Dentistry, The University of Illinois at Chicago, Chicago, Illinois

RICHARD BRUUN, DDS
Craniofacial Orthodontist, Boston Children’s Hospital, Cleft Lip/Palate and Craniofacial Teams, Assistant Professor of Developmental Biology, Part-Time, Harvard School of Dental Medicine, Senior Associate, Department of Dentistry, Boston Children’s Hospital, Boston, Massachusetts, USA

JENNIFER CAPLIN, DMD, MS
Associate Director of Post Graduate Orthodontics, Assistant Professor, Department

Orthodontics for the Craniofacial Surgery Patient
Contributors

of Orthodontics, College of Dentistry, The University of Illinois at Chicago, Chicago, Illinois

STEPHANIE J. DREW, DMD, FACS
Associate Professor, Department of Surgery, Division of Oral and Maxillofacial Surgery, Emory University School of Medicine, Atlanta, Georgia

SEAN P. EDWARDS, DDS, MD
Professor, Department of Oral and Maxillofacial Surgery, University of Michigan, Mott Children’s Hospital, Ann Arbor, Michigan

AUSTIN GAAL, DDS
Former Cleft and Craniofacial Fellow, The University of Oklahoma, College of Dentistry, Department of Oral and Maxillofacial Surgery, Oklahoma University Children’s Hospital, JW Keys Cleft and Craniofacial Clinic, Oklahoma City, Oklahoma, USA; Cascadia OMS, Kirkland, Washington, USA

GHALI E. GHALI, DDS, MD, FACS, FRCS(Ed)
Jack W. Gamble Professor and Chairman, Department of Oral and Maxillofacial Surgery/Head and Neck Surgery, Chancellor, Louisiana State University Health Sciences Center, Shreveport, Louisiana

JEFFREY HAMMOUDEH, DDS, MD
Associate Chief Plastic and Maxillofacial Surgery, Associate Professor, University of Southern California, Division of Oral and Maxillofacial Surgery, Department of Plastic and Reconstructive Surgery, Children’s Hospital Los Angeles, Los Angeles, California

RICHARD A. HOPPER, MD, MS
Chief, Pediatric Plastic and Craniofacial Surgery, Marlys C. Larson Professor of Craniofacial Surgery, University of Washington School of Medicine, Craniofacial Center, Division of Plastic and Craniofacial Surgery, Seattle Children’s Hospital, Seattle, Washington

HITESH KAPADIA, DDS, PhD
Chief, Division of Craniofacial Orthodontics, Seattle Children’s Hospital, Craniofacial Center, Seattle, Washington

JAMES MACLAINE, BDS
Clinical Instructor, Department of Developmental Biology, Boston Children’s Hospital, Harvard School of Dental Medicine, Boston, Massachusetts

ASHLEY E. MANLOVE, DMD, MD
Clinical Instructor, Program Director, Director of Carle Cleft and Craniofacial Team, Department of Oral and Maxillofacial Surgery, Carle Foundation Hospital, Urbana, Illinois

MICHAEL R. MARKIEWICZ, DDS MPH, MD, FACS
Professor and Chair, Department of Oral and Maxillofacial Surgery, William M. Feagans Endowed Chair, Associate Dean for Hospital Affairs, School of Dental Medicine, Clinical Professor, Department of Neurosurgery, Division of Pediatric Surgery, Department of Surgery, Jacobs School of Medicine and Biomedical Sciences, University at Buffalo, Co-Director, Craniofacial Center of Western New York, John R. Oishei Children’s Hospital, Buffalo, New York

MARK A. MILLER, MD, DMD
Assistant Professor, Departments of Oral and Maxillofacial Surgery, Neurosurgery, and Pediatrics, UT Health San Antonio, San Antonio, Texas

DOUGLAS OLSON, DMD, MS
Craniofacial Center of Western New York, Oishei Children’s Outpatient Center, Buffalo, New York

BONNIE L. PADWA, DMD, MD
Oral Surgeon-in-Chief, Section of Oral and Maxillofacial Surgery, Associate Professor, Department of Plastic and Oral Surgery, Harvard Medical School, Boston, Massachusetts

VICTORIA PALERMO, MD, DDS
Florida Craniofacial Institute, Tampa, Florida

YASSMIN PARSAEI, DMD
Orthodontic Resident, Division of Orthodontics, Department of Craniofacial Sciences, University of Connecticut, Farmington, Connecticut
Contributors

STAVAN Y. PATEL, DDS, MD
Assistant Professor and Residency Program Director, Department of Oral and Maxillofacial Surgery/Head and Neck Surgery, Louisiana State University Health Sciences Center, Shreveport, Louisiana

JEFFREY C. POSNICK, DMD, MD
Professor Emeritus, Plastic and Reconstructive Surgery and Pediatrics, Georgetown University, Washington, DC; Professor of Orthodontics, University of Maryland, Baltimore College of Dental Surgery, Baltimore, Maryland; Professor of Oral and Maxillofacial Surgery, Howard University College of Dentistry, Washington, DC

CORY M. RESNICK, DMD, MD
Attending Physician, Oral and Maxillofacial Surgery Program, Assistant Professor, Department of Plastic and Oral Surgery, Harvard Medical School, Boston, Massachusetts

PAT RICALDE, MD, DDS
Director, Florida Craniofacial Institute, St. Joseph’s Cleft and Craniofacial Center, Tampa, Florida

GERARDO ROMEO, DDS, MD, MBA
Division Chief and Program Director, Oral and Maxillofacial Surgery, Departments of Dental Medicine, and Pediatrics, Northwell Health, Medical Co-Director, Hagedorn Cleft and Craniofacial Team at Cohen Children’s Medical Center, Assistant Professor, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Long Island Jewish Medical Center, New Hyde Park, New York

ELIZABETH ROSS, DDS
Clinical Instructor, Department of Developmental Biology, Boston Children’s Hospital, Harvard School of Dental Medicine, Boston, Massachusetts

RAMON RUIZ, DMD, MD
Arnold Palmer Hospital for Children, Orlando, Florida

CURTIS D. SCHMIDT, DDS
Cleft and Craniofacial Surgery Fellow, Department of Oral and Maxillofacial Surgery/

Head and Neck Surgery, Louisiana State University Health Sciences Center, Shreveport, Louisiana

STEPHEN SHUSTERMAN, DMD
Clinical Associate Professor, Harvard School of Dental Medicine, Dentist-in-Chief, Emeritus, Boston Children’s Hospital, Boston, Massachusetts

KEVIN S. SMITH, DDS, FACS, FACD
Professor and Resident/Fellowship Program Director, The University of Oklahoma, College of Dentistry, Department of Oral and Maxillofacial Surgery, Director, JW Keys Cleft and Craniofacial Clinic, Children’s Hospital of Oklahoma, University of Tulsa, MK Chapman Cleft and Craniofacial Clinic, Profiles Oral Facial Surgery Experts, Oklahoma City, Oklahoma, USA

DEREK STEINBACHER, MD, DMD, FACS
Chief of Oral and Maxillofacial Surgery, Director of Craniofacial Surgery, Associate Professor, Section of Plastic and Reconstructive Surgery, Yale School of Medicine, New Haven, Connecticut

SRINIVAS M. SUSARLA, DMD, MD, MPH
Assistant Professor of Surgery (Plastic), University of Washington School of Medicine, Assistant Professor of Oral-Maxillofacial Surgery, University of Washington School of Dentistry, Craniofacial Center, Divisions of Craniofacial and Plastic Surgery and Oral-Maxillofacial Surgery, Seattle Children’s Hospital, Seattle, Washington

TIMOTHY J. TREMONT, DMD, MS
Professor and Chairman, Department of Orthodontics, Medical University of South Carolina, Charleston, South Carolina

RAYMOND TSE, MD
Seattle Children’s Hospital, Craniofacial Center, Seattle, Washington

MARK URATA, DDS, MD, FACS
Audrey Skirball Kenis Endowed Chair and Chief, Division of Plastic Surgery and reconstructive Maxillofacial Surgery, Chair
Contributors

Division of Oral and Maxillofacial Surgery, Ostrow School of Dentistry, University of Southern California, Children’s Hospital Los Angeles, Los Angeles, California

FLAVIO URIBE, DDS, MDentSc
Charles Burstone Professor, Program Director and Interim Chair, Division of Orthodontics, Department of Craniofacial Sciences, University of Connecticut, Farmington, Connecticut

SHANKAR RENGASAMY VENUGOPALAN, DDS, DMSc, CAGE (Ortho), PhD
Department of Orthodontics, Associate Professor, The University of Iowa, College of Dentistry and Dental Clinics, Iowa City, Iowa

JENNIFER E. WOERNER, DMD, MD, FACS
Assistant Professor and Fellowship Director, Cleft and Craniofacial Surgery, Department of Oral and Maxillofacial Surgery/Head and Neck Surgery, Louisiana State University Health Sciences Center, Shreveport, Louisiana

SUMIT YADAV, MDS, PhD
Associate Professor, Department of Craniofacial Sciences, University of Connecticut School of Dental Medicine, Farmington, Connecticut

DAVID YATES, DMD, MD, FACS
Program Director, EPCH Cleft and Craniofacial Fellowship, Division Chief of Cranial and Facial Surgery, El Paso Children’s Hospital, Clinical Assistant Professor of Surgery, Texas Tech University Health Sciences Center El Paso, Paul L. Foster School of Medicine, Partner, High Desert Oral & Facial Surgery, El Paso, Texas

STEPHEN YEN, DMD, PhD
Director of Fellowship in Craniofacial and Special Needs Orthodontics, Division of Dentistry, Children’s Hospital Los Angeles, Center for Craniofacial Molecular Biology, University of Southern California, Los Angeles, California