Contributors

CONSULTING EDITOR

SUJANA S. CHANDRASEKHAR, MD, FACS, FAAOHNS
Past President, American Academy of Otolaryngology–Head and Neck Surgery, Secretary-Treasurer, American Otological Society, Partner, ENT & Allergy Associates, LLP, Clinical Professor, Department of Otolaryngology–Head and Neck Surgery, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, New York; Clinical Associate Professor, Department of Otolaryngology–Head and Neck Surgery, Icahn School of Medicine at Mount Sinai, New York, New York

EDITORS

MICHAEL D. SEIDMAN, MD, FACS
Director, Otologic/Neurotologic/Skull Base Surgery, Medical Director, Wellness and Integrative Medicine, Advent Health (Celebration and South Campuses), Professor, Otolaryngology–Head and Neck Surgery, University of Central Florida, Adjunct Professor, Otolaryngology–Head and Neck Surgery, University of South Florida, Past Board of Directors and Past Chair Board of Governors, American Academy of Otolaryngology–Head and Neck Surgery, AdventHealth Medical Group Otolaryngology–Head and Neck Surgery, Celebration, Florida; University of Central Florida College of Medicine, Orlando, Florida; University of South Florida Morsani College of Medicine, Tampa, Florida

MARILENE B. WANG, MD, FACS
Professor, Department of Head and Neck Surgery, UCLA David Geffen School of Medicine, Los Angeles, California

AUTHORS

MEHDI ABOUZARI, MD, PhD
Assistant Professor, Department of Otolaryngology–Head and Neck Surgery, University of California, Irvine, Irvine

BENJAMIN F. ASHER, MD, FACS
Private Practice, New York, New York; North Pomfret, Vermont

NATALIE B. BENCIE, BS
Department of Otolaryngology, Hearing Research and Cochlear Implant Laboratory, University of Miami Miller School of Medicine, Miami, Florida

KATHLEEN R. BILLINGS, MD
Division of Pediatric Otolaryngology–Head and Neck Surgery, Ann & Robert H. Lurie Children’s Hospital of Chicago, Department of Otolaryngology–Head and Neck Surgery, Northwestern University Feinberg School of Medicine, Chicago, Illinois

Complementary and Integrative Medicine and Nutrition in Otolaryngology
SETH M. BROWN, MD, MBA
Associate Clinical Professor, Division of Otolaryngology, Department of Surgery, University of Connecticut, Farmington, Connecticut

CAROLINE CASEY, BA
Medical Student, University of Central Florida College of Medicine, Orlando, Florida

AGNES CZIBULKA, MD, Fellow AAOA
Clinical Instructor, Yale University, Clinical Adjunct Assistant Professor, Quinnipiac University, Guilford

ALEXA J. DENTON, BS
Department of Otolaryngology, Hearing Research and Cochlear Implant Laboratory, University of Miami Miller School of Medicine, Miami, Florida

KARUNA DEWAN, MD
Assistant Professor, Department of Otolaryngology–Head and Neck Surgery, Louisiana State University Health Shreveport, Edinburg, Texas

HAMID R. DJALILIAN, MD
Professor of Otolaryngology and Biomedical Engineering, Director of Otology and Neurotology, Department of Otolaryngology–Head and Neck Surgery, University of California, Irvine, Irvine

LUKE EDELMAYER, MD
Advent Health Celebration, Kissimmee, Florida

ADRIEN A. ESHRAGHI, MD, MSc, FACS
Department of Otolaryngology, Hearing Research and Cochlear Implant Laboratory, Departments of Neurological Surgery and Pediatrics, University of Miami Miller School of Medicine, Miami, Florida; Department of Biomedical Engineering, University of Miami, Coral Gables, Florida

DIMITRI A. GODUR, MS
Department of Otolaryngology, Hearing Research and Cochlear Implant Laboratory, University of Miami Miller School of Medicine, Miami, Florida

JOSEPH F. GOODMAN, MD, FACS
Associate Professor, Otolaryngology–Head and Neck Surgery, George Washington University, Washington, DC

MICHAEL E. HOFFER, MD
Departments of Otolaryngology and Neurological Surgery, University of Miami Miller School of Medicine, Miami, Florida

HALEY HULLFISH, BS
Department of Otolaryngology, University of Miami Miller School of Medicine, Miami, Florida

NAUSHEEN JAMAL, MD
Associate Professor and Chair, Department of Otolaryngology–Head and Neck Surgery, Associate Dean of GME & DIO, The University of Texas Rio Grande Valley School of Medicine, Edinburg, Texas
WALTER M. JONGBLOED, MD
Resident Physician, Division of Otolaryngology, Department of Surgery, University of Connecticut, Farmington, Connecticut

HAILEY M. JUSZCZAK, MD
Department of Otolaryngology–Head and Neck Surgery, State University of New York Downstate Health Sciences University, Brooklyn, New York

DARLENE LEE, ND
Susan Samueli Integrative Health Institute, University of California, Irvine, Irvine

JESSICA R. LEVI, MD
Department of Otolaryngology–Head and Neck Surgery, Boston Medical Center, Boston, Massachusetts

CHARLENE S. LEVINE, LMT
Community Wellness Resources LLC, Florida

ROBERT A. LEVINE, PhD
Community Wellness Resources LLC, Florida

VANESSA LOPEZ, BA
The University of Texas Rio Grande Valley School of Medicine, Edinburg, Texas

JOHN MADDALOZZO, MD
Division of Pediatric Otolaryngology–Head and Neck Surgery, Ann & Robert H. Lurie Children’s Hospital of Chicago, Department of Otolaryngology–Head and Neck Surgery, Northwestern University Feinberg School of Medicine, Chicago, Illinois

MATTHEW C. MILLER, MD, FACS
Associate Professor of Otolaryngology and Neurosurgery, Department of Otolaryngology–Head and Neck Surgery, University of Rochester Medical Center, Rochester, New York

JEENU MITTAL, MSc
Department of Otolaryngology, Hearing Research and Cochlear Implant Laboratory, University of Miami Miller School of Medicine, Miami, Florida

RAHUL MITTAL, PhD
Department of Otolaryngology, Hearing Research and Cochlear Implant Laboratory, University of Miami Miller School of Medicine, Miami, Florida

LAITH MUKDAD, MD
Department of Head and Neck Surgery, David Geffen School of Medicine at UCLA, Los Angeles, California

AJAY S. NATHAN, MS
Boston University School of Medicine, Boston, Massachusetts

CHAU T. NGUYEN, MD
Division of Otolaryngology–Head and Neck Surgery, Ventura County Medical Center, Ventura, California

ROBERT O’REILLY, MD
Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania
Contributors

VARUN S. PATEL, MD
AdventHealth Medical Group Otolaryngology–Head and Neck Surgery, Celebration, Florida

LUIS P. ROLDAN, MD
Department of Otolaryngology, University of Miami Miller School of Medicine, Miami, Florida

RICHARD M. ROSENFELD, MD, MBA, MPH
Department of Otolaryngology–Head and Neck Surgery, State University of New York Downstate Health Sciences University, Brooklyn, New York

MICHAEL D. SEIDMAN, MD, FACS
Director, Otologic/Neurotologic/Skull Base Surgery, Medical Director, Wellness and Integrative Medicine, Advent Health (Celebration and South Campuses), Professor, Otolaryngology–Head and Neck Surgery, University of Central Florida, Adjunct Professor, Otolaryngology–Head and Neck Surgery, University of South Florida, Past Board of Directors and Past Chair Board of Governors, American Academy of Otolaryngology–Head and Neck Surgery, AdventHealth Medical Group Otolaryngology–Head and Neck Surgery, Celebration, Florida; University of Central Florida College of Medicine, Orlando, Florida; University of South Florida Morsani College of Medicine, Tampa, Florida

NINA L. SHAPIRO, MD
Department of Head and Neck Surgery, David Geffen School of Medicine at UCLA, Los Angeles, California

BRANDON TAPASAK, BS
University of Central Florida College of Medicine, Orlando, Florida

MALCOLM B. TAW, MD
UCLA Center for East-West Medicine, Westlake Village, California

KAREN TAWK, MD
Post-doctoral Fellow, Department of Otolaryngology–Head and Neck Surgery, University of California, Irvine, Irvine

MARILENE B. WANG, MD, FACS
Professor, Department of Head and Neck Surgery, UCLA David Geffen School of Medicine, Los Angeles, California