

Contributors

CONSULTING EDITOR

SUJANA S. CHANDRASEKHAR, MD, FACS, FAAOHN

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, Zucker School of Medicine at Hofstra-Northwell, Hempstead, New York, USA; Clinical Associate Professor, Department of Otolaryngology–Head and Neck Surgery, Icahn School of Medicine at Mount Sinai, New York, New York, USA

EDITORS

UMAMAHESWAR DUVVURI, MD, PhD, FACS

Associate Professor of Otolaryngology, University of Pittsburgh Medical Center, University of Pittsburgh, VA Pittsburgh Health System, Pittsburgh, Pennsylvania, USA

ARUN SHARMA, MD, MS, FACS

Associate Professor, Division Chief, Head and Neck Surgery, Director of Clinical Research, Department of Otolaryngology–Head and Neck Surgery, SIU School of Medicine, Springfield, Illinois, USA

ERICA R. THALER, MD, FACS

Professor and Vice Chair, Directory of General Otorhinolaryngology: Head and Neck Surgery, Department of Otorhinolaryngology: Head and Neck Surgery, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania, USA

ZARA M. PATEL, MD

Associate Professor, Director of Endoscopic Skull Base Surgery, Department of Otolaryngology–Head and Neck Surgery, Stanford University School of Medicine, Palo Alto, California, USA

AUTHORS

SYED AHMED ALI, MD

House Officer, Department of Otolaryngology–Head and Neck Surgery, Michigan Medicine, Ann Arbor, Michigan, USA

ABDALLAH S. ATTIA, MD

Department of Surgery, Tulane University, School of Medicine, New Orleans, Louisiana, USA

BRANDON J. BAIRD, MD

Department of Surgery, Section of Otolaryngology–Head and Neck Surgery, University of Chicago, Chicago, Illinois, USA

RANDALL A. BLY, MD

Assistant Professor, Department of Otolaryngology–Head and Neck Surgery, Division of Pediatric Otolaryngology, University of Washington, Seattle Children’s Hospital, Seattle, Washington, USA

GRAINNE BRADY, MRes, MRCSLT

Clinical Lead Speech and Language Therapist, Department of Speech, Language and Swallowing, The Royal Marsden NHS Foundation Trust, London, United Kingdom

ROBERT M. BRODY, MD

Assistant Professor, Department of Otorhinolaryngology–Head and Neck Surgery, University of Pennsylvania Health System, Philadelphia, Pennsylvania, USA

JAMES KENNETH BYRD, MD

Associate Professor, Otolaryngology–Head and Neck Surgery, Medical College of Georgia, Augusta University, Augusta, Georgia, USA

MICHELLE M. CHEN, MD, MHS

Clinical Lecturer, Department of Otolaryngology–Head and Neck Surgery, University of Michigan, Ann Arbor, Michigan, USA

DANA L. CROSBY, MD, MPH

Associate Professor, Department of Otolaryngology, SIU School of Medicine, Springfield, Illinois, USA

MORGAN E. DAVIS, MD

Department of Surgery, Division of Otolaryngology–Head and Neck Surgery, UC San Diego School of Medicine, San Diego, CA

JOHN R. DE ALMEIDA, MD, MSc, FRCS

Departments of Otolaryngology–Head and Neck Surgery, and Surgical Oncology, Princess Margaret Cancer Centre/University Health Network, University of Toronto, Toronto General Hospital, Toronto, Ontario, Canada

JENNIFER E. DOUGLAS, MD

Department of Otorhinolaryngology–Head and Neck Surgery, University of Pennsylvania Health System, Philadelphia, Pennsylvania, USA

UMAMAHESWAR DUVVURI, MD, PhD, FACS

Associate Professor of Otolaryngology, University of Pittsburgh Medical Center, University of Pittsburgh, VA Pittsburgh Health System, Pittsburgh, Pennsylvania, USA

AHMAD ELNAHLA, MD

Department of Surgery, Tulane University, School of Medicine, New Orleans, Louisiana, USA

HUDSON FREY, MD

Resident Physician, Department of Otolaryngology–Head and Neck Surgery, University of Mississippi Medical Center, Jackson, Mississippi, USA

AJITH GEORGE, FRCS

Consultant Head and Neck Surgeon, University Hospitals North Midlands, North Staffordshire, England; Senior Lecturer, Keele University Medical School, Staffordshire, United Kingdom

NEAL RAJAN GODSE, MD

Resident Physician, Department of Otolaryngology, University of Pittsburgh, Pittsburgh, Pennsylvania, USA

DEENA HADEDEYA, MD, MHS

Department of Surgery, Tulane University, School of Medicine, New Orleans, Louisiana, USA

JOHN HARDMAN, BSc (Hons), MSc, MRCS

Head and Neck Unit, The Royal Marsden NHS Foundation Trust, London, United Kingdom; Specialty Registrar in ENT, North London, United Kingdom

MITCHELL HEUERMANN, MD

Resident, Department of Otolaryngology, SIU School of Medicine, Springfield, Illinois, USA

PAUL T. HOFF, MS, MD

Assistant Professor, Department of Otolaryngology–Head and Neck Surgery, Michigan Medicine, Ann Arbor, Michigan, USA

KATHERINE A. HUTCHESON, PhD

Associate Professor, Department of Head and Neck Surgery, Division of Radiation Oncology, The University of Texas at MD Anderson Cancer Center, Houston, Texas, USA

GINA D. JEFFERSON, MD, MPH, FACS

Professor, Department of Otolaryngology–Head and Neck Surgery, University of Mississippi Medical Center, Jackson, Mississippi, USA

EMAD KANDIL, MD, MBA, FACS

Department of Surgery, Tulane University, School of Medicine, New Orleans, Louisiana, USA

CYRUS KERAWALA, FDSRCS, FRCS

Consultant Head and Neck Surgeon, Head and Neck Unit, The Royal Marsden NHS Foundation Trust, London, United Kingdom; Visiting Professor, Faculty of Health and Wellbeing, University of Winchester, Winchester, United Kingdom

NEERAJA KONUTHULA, MD

Department of Otolaryngology–Head and Neck Surgery, Division of Pediatric Otolaryngology, University of Washington, Seattle Children's Hospital, Seattle, Washington, USA

KEVIN J. KOVATCH, MD

House Officer, Department of Otolaryngology–Head and Neck Surgery, Michigan Medicine, Ann Arbor, Michigan, USA

ROBERT F. LABADIE, MD, PhD

Department of Otolaryngology, Vanderbilt University Medical Center, Nashville, Tennessee, USA

KELLY M. MALLOY, MD, FACS

Associate Professor, Department of Otolaryngology–Head and Neck Surgery, University of Michigan, Ann Arbor, Michigan, USA

GUILLERMO MAZA, MD

Department of Otolaryngology–Head and Neck Surgery, SIU School of Medicine, Springfield, Illinois, USA

ALEX P. MICHAEL, MD

Resident, Division of Neurosurgery, Neuroscience Institute, SIU School of Medicine, Springfield, Illinois, USA

VINIDH PALERI, MS, FRCS

Consultant Head and Neck Surgeon, Head and Neck Unit, The Royal Marsden NHS Foundation Trust, Professor of Robotic and Endoscopic Head and Neck Surgery, The Institute of Cancer Research, London, United Kingdom

REBECCA PAQUIN, MD, DMD

Resident, Otolaryngology–Head and Neck Surgery, Medical College of Georgia, Augusta University, Augusta, Georgia, USA

HARMAN S. PARHAR, MD, MPH

Clinical Instructor, Department of Otorhinolaryngology–Head and Neck Surgery, University of Pennsylvania Health System, Philadelphia, Pennsylvania, USA

SANJAY R. PARIKH, MD

Professor, Department of Otolaryngology–Head and Neck Surgery, Division of Pediatric Otolaryngology, University of Washington, Seattle Children’s Hospital, Seattle, Washington, USA

DIEGO PRECIADO, MD, PhD

Vice-Chief and Fellowship Program Director, Pediatric Otolaryngology, Children’s National Health System, Professor of Surgery and Pediatrics, George Washington University School of Medicine, Washington, DC, USA

CHRISTOPHER H. RASSEKH, MD

Department of Otorhinolaryngology–Head and Neck Surgery, University of Pennsylvania Health System, Philadelphia, Pennsylvania, USA

SCOTT M. RICKERT, MD, FACS

Chief, Division of Pediatric Otolaryngology, Associate Professor, Department of Otolaryngology, Pediatrics, and Plastic Surgery, Hassenfeld Children’s Hospital at NYU Langone, NYU Langone Health, New York, New York, USA

KATHERINE E. RIOJAS, BS

Department of Mechanical Engineering, Vanderbilt University, Nashville, Tennessee, USA

ROSH K.V. SETHI, MD, MPH

Associate Surgeon, Division of Otolaryngology–Head and Neck Surgery, Brigham and Women’s Hospital, Boston, Massachusetts, USA

ARUN SHARMA, MD, MS, FACS

Associate Professor, Division Chief, Head and Neck Surgery, Director of Clinical Research, Department of Otolaryngology–Head and Neck Surgery, SIU School of Medicine, Springfield, Illinois, USA

AREEJ SHIHABI, MD

Department of Surgery, Tulane University, School of Medicine, New Orleans, Louisiana, USA

STEVEN E. SOBOL, MD, MSc, FRCS(C)

Fellowship Program Director, Division of Otolaryngology, Associate Professor, Department of Otorhinolaryngology–Head and Neck Surgery, Children’s Hospital of

Philadelphia, Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania, USA

C. KWANG SUNG, MD, MS

Division of Laryngology, Department of Otolaryngology–Head and Neck Surgery, Stanford University, Stanford, California, USA

ERICA R. THALER, MD, FACS

Professor and Vice Chair, Directory of General Otorhinolaryngology–Head and Neck Surgery, Department of Otorhinolaryngology–Head and Neck Surgery, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania, USA

ESTHER X. VIVAS, MD

Associate Professor, Department of Otolaryngology–Head and Neck Surgery, Emory University School of Medicine, Atlanta, Georgia, USA

BENJAMIN WAHLE, MD

Resident Physician, Department of Otolaryngology–Head and Neck Surgery, Washington University School of Medicine, St Louis, Missouri, USA

CHRISTOPHER Z. WEN, BA

Perelman School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania, USA

CAROL H. YAN, MD

Assistant Professor of Rhinology and Skull Base Surgery, Department of Surgery, Division of Otolaryngology–Head and Neck Surgery, UC San Diego School of Medicine, San Diego, CA

CHRISTOPHER M.K.L. YAO, MD

Fellow, Advanced Head and Neck Surgical Oncology and Microvascular Reconstruction, Department of Head and Neck Surgery, The University of Texas at MD Anderson Cancer Center, Houston, Texas, USA

CHRISTINA M. YVER, MD

Resident Physician, Department of Otorhinolaryngology–Head and Neck Surgery, University of Pennsylvania Health System, Philadelphia, Pennsylvania, USA

JOSE ZEVALLOS, MD, MPH

Division Chief of Head and Neck Surgery, Joseph B. Kimbrough Professor, Department of Otolaryngology–Head and Neck Surgery, Washington University School of Medicine, St Louis, Missouri, USA

TOBY SHEN ZHU, BS

Medical Student, University of Pittsburgh, School of Medicine, Pittsburgh, Pennsylvania, USA