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## **OTOLARYNGOLOGY/HEAD AND NECK SURGERY**

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### **BRIEF DESCRIPTION**

The Department of Otolaryngology - Head and Neck Surgery is primarily concerned with the diagnosis and management of medical and surgical diseases of the head and neck. Areas of special expertise include the management of head and neck cancer, nose and sinus disease and otologic disease. An active bronchoesophagologic clinic, complete allergy clinic and maxillofacial trauma service are maintained. Special interests include the use of laser surgery for head and neck cancer, laser bronchoscopy for tracheobronchial tumors, pediatric airway management, cochlear implantation for the profoundly deaf, medical and surgical management of airway problems including sleep apnea, and the work of breathing as manifested in patients with upper airway obstruction. Ultrasound is now used in the Otolaryngology and Head Neck Surgery Clinic for head and neck exam, as well as evaluation of pediatric airway pathology.

### **HOW TO CONTACT US**

**PHONE** (general information): (919) 966-3341

**PHONE** (appointments): (919)966-6483, (919) 966-3325

**FAX:** (919) 966-7656

### **MAILING ADDRESS**

G0412 Neurosciences Hospital

CB# 7070

University of North Carolina

School of Medicine

Chapel Hill, NC 27599-7070

**Byron Kubik, CCC-SLP**

**Work Phone:** 919-966-8048

**Procedures/Research:**

Voice restoration and swallowing in head and neck cancer population, dysphagia, trach/vents.



**Brenda Warren, CCC-SLP**

**Work Phone:** 919-966-8044

**Procedures/Research:**

Inpatient and outpatient adult rehabilitation and acute care, head injury rehabilitation, stroke rehabilitation.



**Margaret T. Dillon, AuD**

Assistant Professor

Division of Auditory Research

Work Phone: 919-966-5251

**Procedures/Research:**

Cochlear implantation, hearing preservation, middle ear implantation, signal processing outcomes

**Certifications:**

Audiology - Board Certified (2009)

**Bachelor's:** University of North Carolina at Chapel Hill, 2005, Psychology

**Doctorate:** University of North Carolina at Chapel Hill, 2009, Audiology

**Fellowship:** UNC Hospitals, 2008-2009, Adult Cochlear Implants



**Hannah R. Eskridge, MSP, CCC-SLP, LSLS Cert AVT**

Instructor, Director, Center for the Acquisition of Spoken language Through Listening Enrichment

Division of Auditory Research

Work Phone: 919-419-1449

**Procedures/Research:**

Listening and spoken language development in children who are deaf or hard of hearing, with specific focus on training teachers of the deaf and speech-language pathologists.

**Certifications:**

CCC-SLP, American Speech Language Hearing Assoc. - Board Certified  
Speech-Language Pathology - Board Certified  
ASHA - Board Certified

**Masters:** University of South Carolina, 2001, Speech Pathology



**Shuman He, MD, PhD**

Assistant Professor

Division of Auditory Research

Clinical Appointment Phone: 919-419-1449 ext. 301

**Procedures/Research:**

Cochlear implantation, auditory electrophysiology.

**Doctorate:** Shandong Medical University, 1993-1998

**Residency:** Shandong Provincial Hospital, 1998-2001, Otolaryngology

**Doctorate:** The University of Iowa, 2003-2008, Speech and Hearing Sciences  
specialized in auditory electrophysiology

**Post-Doctoral:** The University of North Carolina at Chapel Hill, 2008-2011, Psychoacoustics and Auditory Electrophysiology



**Patricia A. Roush, AuD**

Associate Professor; Director, Pediatric Audiology

Division of Auditory Research

Clinical Appointment Phone: 919-843-4479

Work Phone: 919-843-1396

**Procedures/Research:**

Pediatric audiology.

**Certifications:**

Audiology - Board Certified (1977)

**Masters:** University of Iowa, 1976, Audiology

**Doctoral:** University of Florida, 2005, Audiology



**Holly F.B. Teagle, AuD**

Assistant Professor

Division of Auditory Research

Work Phone: 919-419-1449

**Procedures/Research:**

Cochlear implants in children, childhood development after cochlear implantation, cochlear implant device efficacy, audiology.

**Certifications:**

Audiology - Board Certified (1986)

**Masters:** University of Iowa, 1985, Audiology

**Doctoral:** University of Florida, 2005, Audiology

**Fellowship:** University of Iowa Hospitals and Clinics, 1985-1986, Audiology



**Esa A. Bloedon, MD**

Assistant Professor, Wake AHEC

Division of Division of Rhinology, Allergy, and Endoscopic Skull Base Surgery

Work Phone: 919-350-7858

**Procedures/Research:**

General otolaryngology, pediatric otolaryngology, thyroid and parathyroid disease, rhinology, endoscopic sinus surgery.

**Certifications:**

Otolaryngology - Board Eligible

**Residency:** Thomas Jefferson University Hospital, 2003-2008, Otolaryngology/Head and Neck Surgery

**Medical School:** Thomas Jefferson Medical College, Philadelphia, PA, 1999-2003



**Brett E. Dorfman, MD**

Assistant Professor, Wake AHEC

Division of Division of Rhinology, Allergy, and Endoscopic Skull Base Surgery

Work Phone: 919-350-7858

**Procedures/Research:**

Rhinology, allergy, sinus surgery, care of the professional voice.

**Certifications:**

Otolaryngology - Board Certified (2002)

**Medical School:** Emory University, Atlanta, GA, 1996

**Residency:** Duke University, 1997-2001, Otolaryngology



**Charles S. Ebert, Jr., MD, MPH**

Assistant Professor

Division of Division of Rhinology, Allergy, and Endoscopic Skull Base Surgery

Work Phone: 919-966-3342

**Procedures/Research:**

Research interests include the genetic analysis of sinonasal mucosa for inflammatory sinus disease markers and subsequent development of therapeutic targets.

**MPH:** University of North Carolina School of Public Health, 2002, Epidemiology

**Doctoral:** University of North Carolina, 1997-2002

**Residency:** University of North Carolina School of Medicine, 2002-2009, Otolaryngology/Head and Neck Surgery - Research Track

**Fellowship:** Georgia Nasal and Sinus Institute, 2009-2009, Rhinology



**Michael O. Ferguson, MD**

Assistant Professor, Wake AHEC

Division of Division of Rhinology, Allergy, and Endoscopic Skull Base Surgery

Work Phone: 919-350-7858

**Procedures/Research:**

General and pediatric otolaryngology, rhinology, allergy, sinus surgery, head and neck oncology.

**Certifications:**

Otolaryngology - Board Certified (2002)

**Medical School:** University of North Carolina, Chapel Hill, NC, 1997

**Residency:** University of North Carolina, 1997-1998, Surgery

University of North Carolina, 1998-2002, Otolaryngology/Head and Neck Surgery



**Julia S. Kimbell, PhD**

Associate Professor

Division of Division of Rhinology, Allergy, and Endoscopic Skull Base Surgery

Work Phone: 919-843-8417

**Procedures/Research:**

Research in biomathematical modeling; the effects of nasal anatomy and respiratory airflow patterns on the uptake and deposition of inhaled gases and particles in the nasal passages of rodents, primates, and humans.



**Allen F. Marshall, MD**

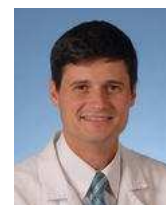
Assistant Professor, Wake AHEC

Division of Division of Rhinology, Allergy, and Endoscopic Skull Base Surgery

Work Phone: 919-350-7858

**Doctoral:** University of North Carolina School of Medicine, 2004

**Residency:** University of North Carolina School of Medicine, 2004-2009, Otolaryngology/Head and Neck Surgery



**Brent A. Senior, MD**

*Professor, Division Chief, Vice Chair for Academic Affairs*

**Division of Division of Rhinology, Allergy, and Endoscopic Skull Base Surgery**

**Clinical Appointment Phone:** 919-493-6484

**Work Phone:** 919-966-3342

**Procedures/Research:**

Endoscopic minimally invasive management of sinusitis, CSF rhinorrhea, and tumors of the anterior skull base; surgical management of sleep apnea and snoring; allergy.

**Certifications:**

Otolaryngology - *Board Certified* (1996)

**Medical School:** University of Michigan, Ann Arbor, MI, 1990

**Residency:** Boston University, 1990-1991, General Surgery  
The Combined Otolaryngology Training Program of Boston University and Tufts University, 1990-1991, Otolaryngology-Head & Neck Surgery

**Fellowship:** University of Pennsylvania Medical Center, 1995-1996, Rhinology and sinus surgery



**Adam M. Zanation, MD**

*Assistant Professor*

**Division of Division of Rhinology, Allergy, and Endoscopic Skull Base Surgery  
Division of Head and Neck Oncology**

**Clinical Appointment Phone:** 919-966-6483

**Work Phone:** 919-966-3342

**Procedures/Research:**

Skull base tumors, sinonasal tumors, CSF rhinorrhea, minimally invasive head and neck tumor surgery, parotid tumors, head and neck sarcomas, rhinology, sinus surgery

**Certifications:**

Otolaryngology - *Board Certified*

**Fellowship:** University of Pittsburgh Medical Center, 2007-2008, Skull Base Oncology

**Residency:** University of North Carolina, 2002-2007, Otolaryngology/Head and Neck Surgery

**Medical School:** University of North Carolina, Chapel Hill, NC, 1997-2002



**William W. Shockley, MD**

*Division Chief, W. Paul Biggers Distinguished Professor*

**Division of Facial Plastic and Reconstructive Surgery**  
**Division of Head and Neck Oncology**



**Clinical Appointment Phone:** 919-966-6483

**Work Phone:** 919-966-3342

**Procedures/Research:**

Facial plastic surgery, rhinoplasty, salivary and thyroid gland surgery.

**Certifications:**

Otolaryngology - *Board Certified* (1981)

**Medical School:** Indiana University, Indianapolis, IN, 1976

**Internship and Residency:** Good Samaritan Hospital, 1976-1978, Surgery

**Residency:** University of Cincinnati, 1978-1981, Otolaryngology-Maxillofacial Surgery

**Fellowship:** Methodist Hospital, 1981-1982, Head & Neck Surgery

**Trevor G. Hackman, MD**

Assistant Professor

Division of Head and Neck Oncology

Work Phone: 919-966-3342

**Procedures/Research:**

Head and neck surgical oncology, endocrine surgery, parotid surgery, transoral laser microsurgery, open and endoscopic skull base surgery, head and neck reconstruction, minimally invasive head and neck surgery, sinus surgery.

**Medical School:** University of Pittsburgh, Pittsburgh, PA, 2003

**Residency:** University of Pittsburgh, 2004-2008, Otolaryngology/Head and Neck Surgery

**Fellowship:** Washington University St. Louis, 2008-2009, Head & Neck Microvascular



**Carol G. Shores, MD, PhD**

Associate Professor

Division of Head and Neck Oncology

**Procedures/Research:**

Head and neck surgical oncology, including salivary malignancies, thyroid surgery, and surgical airway management. Research interest in treatment of Burkitt lymphoma, training surgical residents in Malawi, Africa and patterns of cancer in Malawi.

**Certifications:**

Otolaryngology - Board Certified (2001)

**Doctoral:** University of North Carolina, 1988

**Medical School:** University of North Carolina, Chapel Hill, NC, 1995

**Internship:** University of North Carolina School of Medicine, 1995-1996, General Surgery

**Residency:** University of North Carolina School of Medicine, 1996-2000, Otolaryngology/Head and Neck Surgery



**Mark C. Weessler, MD**

Division Chief, Joseph P. Riddle Distinguished Professor

Division of Head and Neck Oncology

Division of Voice and Swallowing Disorders

Clinical Appointment Phone: 919-966-6483

Work Phone: 919-966-3342

**Procedures/Research:**

Head and neck cancer, laser utilization in head and neck surgery, voice disorders, laryngeal/tracheal stenosis, skull base cancer, cerebrospinal fluid leaks.

**Certifications:**

Otolaryngology - Board Certified (1985)

**Medical School:** Boston University, Boston, MA, 1980

**Residency:** Massachusetts General Hospital, 1980-1982, General Surgery  
Massachusetts Eye and Ear Infirmary, 1982-1985, Otolaryngology

**Fellowship:** University of Cincinnati, 1985-1986, Head & Neck Oncologic Surgery



**Oliver F. Adunka, MD**

*Assistant Professor*

**Division of Otology/Neurotology and Skull Base Surgery**

**Clinical Appointment Phone:** 919-966-6483

**Work Phone:** 919-966-3342

**Procedures/Research:**

Otology, neurotology, lateral skull base surgery, acoustic tumors, cochlear implantation, hearing preservation

**Certifications:**

Otolaryngology - *Board Certified*

**Medical School:** Medical University of Vienna, Vienna, Austria, 1993-1999

**Residency:** J.W. Goethe University Frankfurt am Main, 1999-2004, Otolaryngology

**Post-Doctoral:** J.W. Goethe University Frankfurt am Main, 2004-2005, Cochlear Implantation



**Craig A. Buchman, MD, FACS**

*Division Chief, Vice Chair for Clinical Affairs, Professor*

**Division of Otology/Neurotology and Skull Base Surgery**

**Clinical Appointment Phone:** 919-966-6483

**Work Phone:** 919-966-3342

**Procedures/Research:**

Otology, neurotology, lateral skull base surgery, acoustic tumors, cochlear implants, hearing preservation.

**Certifications:**

Otolaryngology - *Board Certified* (1997)

**Medical School:** University of Florida, Gainesville, FL, 1990

**Internship:** University of Pittsburgh School of Medicine, 1990-1991, Surgery

**Research Fellow:** University of Pittsburgh School of Medicine, 1991-

1992, Otolaryngology

**Residency:** University of Pittsburgh School of Medicine, 1992-1996, Otolaryngology

**Fellowship:** House Eye Institute and Clinic, 1996-1997, Otology/Neurotology/Skull Base Surgery



**Harold C. Pillsbury, III, MD, FACS**

*Chair, Thomas J. Dark Distinguished Professor*

**Division of Otology/Neurotology and Skull Base Surgery**

**Clinical Appointment Phone:** 919-966-6483

**Work Phone:** 919-966-8926

**Procedures/Research:**

Otolaryngology, neurotology, facial plastic surgery, otolaryngologic allergy, cochlear implantation, acoustic tumors, skull base surgery, laser utilization in head and neck cancer.

**Certifications:**

Otolaryngology - *Board Certified* (1978)

**Medical School:** George Washington University, Washington, DC, 1972

**Residency:** University of North Carolina, 1972-1973, General Surgery

University of North Carolina, 1973-1976, Otolaryngology



**Amelia F. Drake, MD**

*Newton D. Fischer Distinguished Professor; Associate Dean of Academic Programs Director, UNC Craniofacial Center*



**Division of Pediatric Otolaryngology**

**Clinical Appointment Phone:** 919-966-6483

**Work Phone:** 919-966-3342

**Procedures/Research:**

Pediatric otolaryngology, pediatric airway disorders, craniofacial anomalies.

**Certifications:**

Otolaryngology - *Board Certified* (1987)

**Medical School:** University of North Carolina, Chapel Hill, NC, 1981

**Residency:** University of Michigan Medical Center, 1981-1983, Surgery  
University of Michigan Medical Center, 1983-1987, Otolaryngology/Head and Neck Surgery

**Fellowship:** Cincinnati Children's Hospital, 1987-1988, Pediatric Otolaryngology

**Austin S. Rose, MD**

*Associate Professor*



**Division of Pediatric Otolaryngology**  
**Division of Division of Rhinology, Allergy, and Endoscopic Skull Base Surgery**

**Clinical Appointment Phone:** 919-966-6483

**Work Phone:** 919-966-3342

**Procedures/Research:**

Pediatric otolaryngology; Pediatric rhinology, allergy and sinus surgery.

**Certifications:**

Otolaryngology - *Board Certified* (2003)  
American Society of Pediatric Otolaryngology (ASPO) - *Board Certified* (2003)

**Medical School:** University of North Carolina, Chapel Hill, NC, 1997

**Fellowship:** Johns Hopkins Hospital, 2002-2003, Pediatric Otolaryngology

**Residency:** University of North Carolina School of Medicine, 1998-2002, Otolaryngology/Head and Neck Surgery

**Internship:** University of North Carolina School of Medicine, 1997-1998, General Surgery

**Carlton J. Zdanski, MD**

*Division Chief, Pediatric Otolaryngology/Head and Neck Surgery; Surgical Director, North Carolina Children's Airway Center*



**Division of Pediatric Otolaryngology**

**Clinical Appointment Phone:** 919-966-6483

**Work Phone:** 919-966-3342

**Procedures/Research:**

Pediatric otolaryngology, reconstructive airway surgery, cochlear implantation, microtia repair, cleft palate, Velopharyngeal Insufficiency, pediatric head and neck masses.

**Certifications:**

Otolaryngology - *Board Certified* (2000)

**Medical School:** University of North Carolina, Chapel Hill, NC, 1994

**Residency:** University of North Carolina School of Medicine, 1994-1999, Otolaryngology/Head and Neck Surgery

**Fellowship:** Children's Hospital of Pittsburgh, 1999-2001, Pediatric Otolaryngology

**Robert A. Buckmire, MD**

*Associate Professor, Division Chief*

**Division of Voice and Swallowing Disorders**



**Clinical Appointment Phone:** 919-966-6483

**Work Phone:** 919-966-3342

**Procedures/Research:**

Voice and swallowing disorders, diagnostic laryngeal EMG, laryngeal framework surgery, microsurgical treatment of laryngeal pathology.

**Certifications:**

Otolaryngology - *Board Certified* (2000)

**Medical School:** University of Virginia, Charlottesville, VA, 1994

**Residency:** University of North Carolina, 1994-1999, Otolaryngology

**Fellowship:** Vanderbilt University, 1999-2000, Laryngology

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