Greetings from the Department of Otolaryngology (ENT) - Head and Neck Surgery at the Medical University of South Carolina. As Chairman of the Department, it is my privilege to introduce the comprehensive medical and surgical services we offer. Simply stated, these services and programs are unsurpassed within South Carolina and regionally. Our excellence is directly attributable to our nationally recognized faculty, most of whom have subspecialty training (fellowships) in the various areas of ear, nose, and throat medicine and surgery. Examples include specialists in ear surgery (otology), sinus disease (rhinology), allergy, head and neck cancer, voice disorders (laryngology), swallowing disorders, facial plastic surgery, maxillofacial prosthodontics and cosmetic dentistry, and pediatric ENT.

Our physicians have written textbooks, are invited speakers at other universities nationally and internationally, and are recognized by peer publications such as Best Doctors in the U.S. and Best Doctors in the Southeast Region. The care they provide is second to none.

We are aided in our #1 Mission – patient care – by the availability of cutting edge technology that people expect at a university medical center. In addition, our department is actively involved in various areas of research, including hearing loss, swallowing disorders, sinus disease, and cancer. One measure of our research expertise and success is the fact that we are one of the Top 12 ENT departments in the country in National Institutes for Health (NIH) funding. By combining cutting edge technologies with laboratory discoveries, we optimize health and quality of life for our patients. We are further aided in our mission of top quality patient care by our affiliation with hundreds of other medical specialists at MUSC who provide the multidisciplinary approach to certain diseases that can make the critical difference.

Our physicians see patients at four offices: Rutledge Tower (at MUSC), Hollings Cancer Center (at MUSC), East Cooper Medical Arts Building (on the campus of the East Cooper Hospital in Mount Pleasant), and MUSC Specialty North Office (in North Charleston adjacent to Charleston Southern University).

We look forward to serving you in the future, and as our mission statement affirms, we will do so with compassion, efficiency and excellence.

Paul R. Lambert, M.D.
Chair, Otolaryngology – Head & Neck Surgery
Ear Infections in Children (Otitis media)

Ear infections in children are very common. Most children will experience one before their second birthday. Ear infections are the number one reason why children receive antibiotics in this country. Symptoms may include pain, fever, hearing loss, imbalance and increased fussiness. Treatment generally consists of medications to help reduce symptoms such as acetaminophen or ibuprofen and possibly an antibiotic to help treat the infection. In most children these infections resolve quickly and do not recur. In some children, however, ear infections can occur repeatedly. Very often, during an ear infection, the ear will develop fluid that collects behind the ear drum. This often leads to multiple trips to the doctor and many rounds of treatment. Your primary care doctor will determine if the infections are becoming difficult to manage with medicine. They may refer you to an Ear, Nose and Throat specialist (Otolaryngologist) to see if ear tubes may be appropriate.

Ear tube surgery is one of the most common operations performed on children. It consists of making a small incision in the ear drum (tympanic membrane) with the child asleep under anesthesia. Fluid and infection is removed from the ear using a suction device, and the ear tube is placed into the incision (see image). Antibiotic ear drops may be placed into the ear and the procedure is then repeated for the other ear. There is minimal pain or discomfort after the surgery and the child may resume normal activities almost immediately. The ear tube will fall out of the ear drum generally 12-18 months after the operation. Once this happens, the ear tube can be easily removed from the ear canal, like wax, by your doctor.

In properly selected patients, ear tubes can significantly improve ear infections in children.
Chronic sinusitis is inflammation of the lining (mucosa) of the sinuses that persists for approximately three months or longer. Recurrent acute sinusitis is frequent bouts of sinus infections that resolve with medications, but recur soon after finishing medications.

What causes chronic sinusitis?

The underlying causes/mechanisms of chronic sinusitis are not completely understood. It is currently thought that certain individuals may have a hyperactive or “revved up” immune system. This predisposes them to have significant inflammation in the sinus lining triggered by certain environmental factors. When patients are exposed to these “triggers” a flare-up may occur and patients can experience significant congestion, drainage, and swelling in the lining of their nose and sinuses.

These triggers differ for each individual, but may include environmental allergies (pollens, trees, dust, molds, etc.), viral, bacterial, or fungal infections, or even pollution. Once a susceptible patient is exposed to an environmental trigger, a cycle of inflammation begins. Often the resultant swelling and congestion leads to a secondary bacterial infection that further exacerbates the inflammation. Severe, prolonged inflammation can result in nasal polyp formation (see endoscopic picture on right).

How are patients treated for chronic sinusitis?

Patients are treated with medications first, in an attempt to clear the infection and reduce the inflammation. This treatment may include antibiotics (often culture directed), oral or topical steroids, mucus thinners, and saline nasal irrigations. If allergies are present, anti-histamines and/or allergy treatment may be added.

Once a patient has been treated with medications (generally for a minimum of 3-4 weeks), a CT scan may be obtained. This will give the doctor an idea of the sinus anatomy that may be contributing to the problem and also permits evaluation of areas of the sinuses that are not visible using the endoscope. The majority of patients with sinusitis respond to medications and DO NOT require surgery.

What is Chronic Sinusitis?

MUSC’s Nose and Sinus Center has been designated as a “National Center of Excellence” as a model of the best in nose and sinus health care. The Center’s mission is to serve as a leader in promoting the highest standards of medical care for patients with diseases of the sinuses through patient care, teaching and the discovery of new knowledge.

Services Offered

- Minimally invasive surgery with computerized guidance, balloon sinuplasty and the latest powered instrumentation.
- Endoscopic resection of sinonasal/skull base tumors using a multi-disciplinary approach with the only fellowship trained sinus team in South Carolina.
- Cutting edge topical therapies for allergic and non-allergic rhinosinusitis.

Clinical Areas

In addition to the evaluation and treatment of adult and pediatric sinusitis, The Nose & Sinus Center of MUSC treats patients with a variety of other disorders including:

- Cerebrospinal fluid leaks and encephaloceles
- Congenital nasal disorders
- Cystic fibrosis
- Nasal obstruction
- Nasal polypsis
- Pituitary tumors
- Sinonasal tumors
- Skull base tumors (such as inverted papilloma)
- Sarcoid
- Septal deviation and turbinate hypertrophy
- Smell and taste disorders
- Some eye disorders (Graves exophthalmos, tear duct obstruction)
- Inhalant allergies

www.muscENT.org

Visit our website to view nose and sinus related videos, listen to our podcasts, read about our doctors, and learn more about what the MUSC Nose & Sinus Center has to offer.
## Otology & Neurotology

**Paul R. Lambert, M.D.**  
Professor and Chairman  
M.D.: Duke University  
Residency: UCLA Medical Center  
Fellowship: House Ear Institute, Los Angeles

**Special Interests:** Adult and pediatric hearing loss, dizziness and vestibular diseases, middle ear infections and cholesteatoma, acoustic tumors, cochlear implants, facial paralysis, congenital ear malformations

**Ted A. Meyer, M.D., Ph.D.**  
Assistant Professor  
Director, Cochlear Implant Program  
M.D.: University of Illinois  
Ph.D.: University of Illinois  
Residency: Indiana University  
Fellowship: University of Iowa

**Special Interests:** Otology, neurotology, facial paralysis, dizziness and balance disorders

## Audiology

**Kimberly A. Orr, M.A.**  
Director, Audiology  
M.A.: Ohio State University  
**Special Interests:** Identification hearing impaired infants and children; Habilitation and management of hearing impaired infants and children

**Abby C. Connell, MEd**  
Instructor  
Coordinator, Cochlear Implant Program  
MEd: University of Georgia

**Laura Droege, MA**  
Instructor  
MA: Northern Illinois University

**Meredith Edgerton, AuD**  
Instructor  
AuD: University of North Carolina, Chapel Hill

**Elizabeth Poth, MS**  
Instructor  
AuD: University of North Carolina, Chapel Hill

**Christine Strange, MA**  
Instructor  
MA: SUNY Plattsburgh

## Rhinology & Sinus Surgery

**Rodney J. Schlosser, M.D.**  
Associate Professor  
Director; Nasal and Sinus Center  
M.D.: Mayo Clinic  
Residency: University of Virginia  
Fellowship: University of Pennsylvania  
**Special Interests:** Adult and pediatric sinus and allergy diseases, CSF leaks, nasal and sinus tumors

**J. David Osguthrope, M.D.**  
Professor  
Surgical Director; Medical University Hospital  
M.D.: University of Utah  
Residency: UCLA Medical Center  
Fellowship: University of Zurich  
**Special Interests:** Sinus and allergy diseases, skull base surgery, head and neck tumors

**Sarah K. Keopp, PA-C**  
Physician Assistant  
MPAS: Medical University of South Carolina

**Karen M. Drawdy, PA-C**  
Physician Assistant  
MPAS: Medical University of South Carolina

## General Otolaryngology & Allergy

**Mark J. Hoy, M.D.**  
Assistant Professor  
Director; General Otolaryngology & Allergy  
M.D.: Temple University  
Residency: University of Louisville  
**Special Interests:** Pediatric and adult general otolaryngology, sinus and allergy diseases

**Cathleen Nixon, FNP**  
Family Nurse Practitioner  
FNP: University of South Carolina

## Facial Plastic & Reconstructive Surgery

**Krishna G. Patel, M.D., Ph.D.**  
Assistant Professor  
M.D./Ph.D.: Medical College of Georgia  
Residency: University of North Carolina, Chapel Hill  
Fellowship: University of Iowa  
**California-Davis**  
**Special Interests:** Aesthetic facial plastic surgery, Facial reconstructive surgery, Reconstruction of Moh's surgery defects, Facial trauma, Cleft lip and palate/craniofacial malformations.

**Judith M. Skoner, M.D.**  
Assistant Professor  
Chief, Otolaryngology, Ralph H. Johnson VA Medical Center  
M.D.: University of South Carolina  
Residency: Medical University of South Carolina  
Fellowship: University of Oregon Health and Science University  
**Special Interests:** Microvascular and reconstructive surgery, head and neck tumors, facial reanimation, advanced skin malignancies, snoring and sleep apnea.

## Vestibular & Balance

**Jack King, Ph.D., CCC-A**  
Assistant Professor  
M.Ed: University of Virginia  
Ph.D.: University of Miami Ear Institute  
**Special Interests:** Cochlear implants, vestibular and balance assessment

**Elizabeth Poth, MS**  
Instructor  
AuD: University of North Carolina, Chapel Hill
**Pediatric Otolaryngology**

**Lucinda A. Halstead, M.D.**
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Division of Pediatric Otolaryngology  
M.D.: George Washington University  
Residency: New England Medical Center, Boston  
SPECIAL INTERESTS: Pediatric airway disorders, laryngology, medical and surgical voice care

**Christopher M. Discolo, M.D.**
Assistant Professor  
M.D.: State University of New York Health Science Center at Brooklyn  
Residency: Cleveland Clinic Fellowship: University of Minnesota / Pediatric ENT Associates  
SPECIAL INTERESTS: Pediatric Otolaryngology, cleft lip and palate repair, mandible distraction, head and neck masses, speech and swallowing disorders

**David R. White, M.D.**
Assistant Professor  
Director, MUSC Airway and Aspiration Center for Children  
M.D.: Medical University of South Carolina  
Residency: University of North Carolina, Chapel Hill  
Fellowship: Cincinnati Children’s Hospital  
SPECIAL INTERESTS: Pediatric otolaryngology, airway reconstruction, pediatric otology, velopharyngeal insufficiency, cleft palate repair, pediatric sinus and allergy, pediatric neck masses

**Carissa Carie, PNP**
Pediatric Nurse Practitioner  
PNP: Medical University of South Carolina

**Head & Neck Oncology**

**Terry A. Day, M.D.**
Professor and Director  
MUSC Head and Neck Tumor Program  
M.D.: University of Oklahoma  
Residency: LSU-Shreveport Fellowship: University of California, Davis  
SPECIAL INTERESTS: Head and neck tumors, microvascular reconstruction, skull base surgery

**M. Boyd Gillespie, M.D., M.S.**
Associate Professor  
Director: MUSC Snoring Clinic  
M.D.: Johns Hopkins  
Residency: Johns Hopkins Fellowship: Johns Hopkins  
SPECIAL INTERESTS: Head and neck tumors, laryngology, swallowing disorders, snoring and sleep apnea

**Joshua D. Hornig, M.D., FRCS(C)**
Assistant Professor  
Director: Microvascular Surgery and Functional Outcomes  
M.D.: University of Alberta  
Residency: University of Alberta Fellowship: Medical University of South Carolina  
SPECIAL INTERESTS: Endoscopic thyroid and parathyroid surgery, facial plastic surgery, microvascular reconstruction, head and neck tumors

**Eric J. Lentsch, M.D.**
Assistant Professor  
M.D.: University of Louisville  
Residency: University of Louisville Fellowship: M.D. Anderson  
SPECIAL INTERESTS: Head and neck tumors, endoscopic thyroid and parathyroid surgery, melanoma and advance skin cancers, general otolaryngology

**Maxillofacial Prostodontics**

**Betsy K. Davis, D.M.D., M.S.**
Associate Professor  
Division of Maxillofacial Prosthodontics  
D.M.D.: Medical University of South Carolina  
Residency: University of Iowa Fellowship: M.D. Anderson / UCLA  
SPECIAL INTERESTS: Maxillofacial prosthodontics, implant prostodontics, aesthetic dentistry

**Evelyn Trammell Institute for Voice and Swallowing**

**Bonnie Martin-Harris, Ph.D., CCC-SLP, BRS-S**
Professor  
Director: ETIVS  
M.S.: Purdue University  
Ph.D.: Northwestern University  
SPECIAL INTERESTS: Evaluation and treatment of voice and swallowing disorders

**Mary Beth Chalk, MSN, RN, APRN-BC**
Nurse Practitioner  
MSN: Medical University of South Carolina

**Christina J. Areheart, PA-C**
Physician Assistant  
MSPAS: Medical University of South Carolina

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Registered Nurse, Program Coordinator  
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Recent satisfaction surveys reveal that our ENT doctors consistently provide the professional quality health care that patients come to expect. Visit our website to learn about our doctors and the services we offer. Browse the video and audio library of ENT topics and state-of-the-art treatments. Or come to any of our 3 convenient locations and see for yourself – we think you’ll be satisfied, too!