

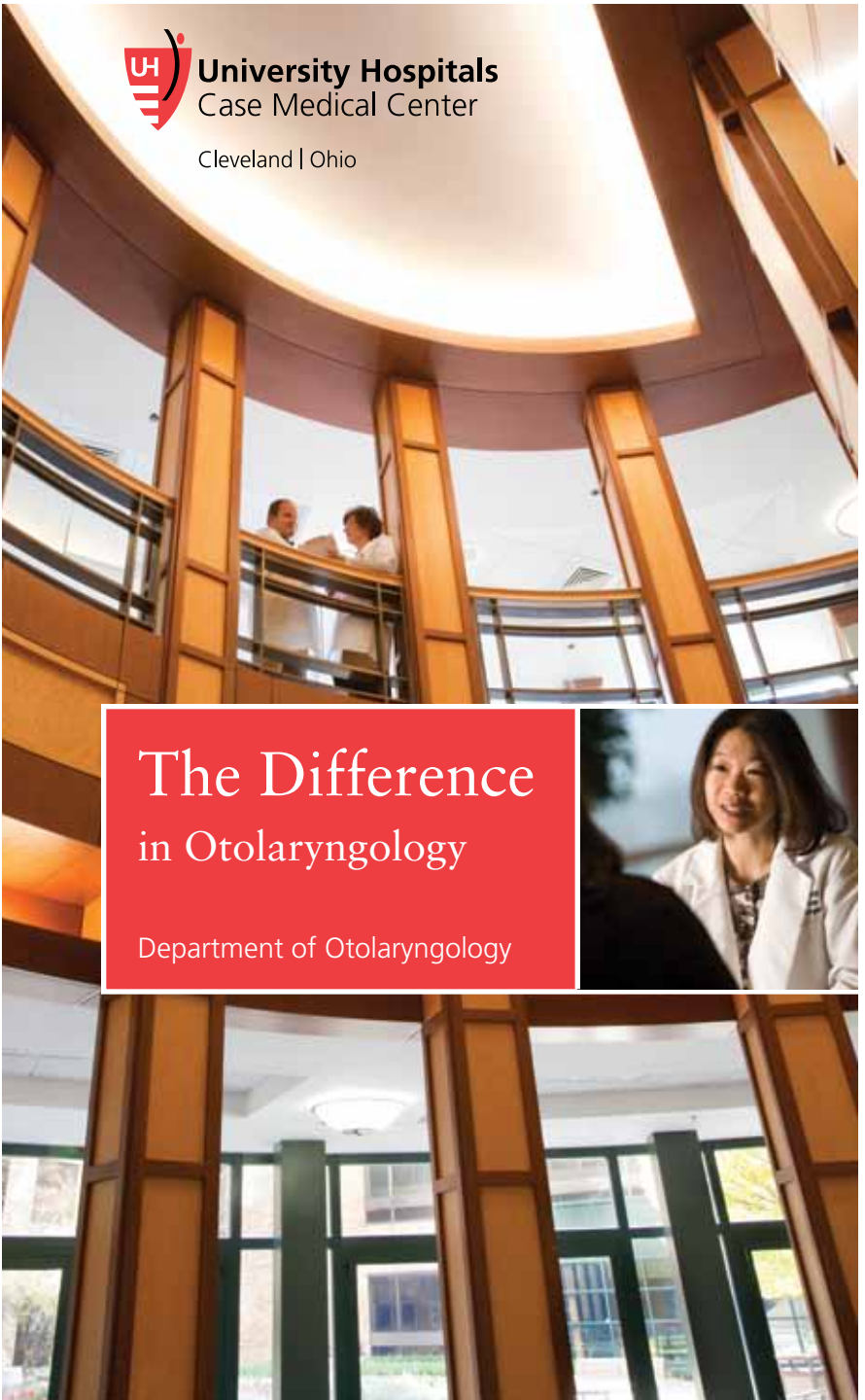
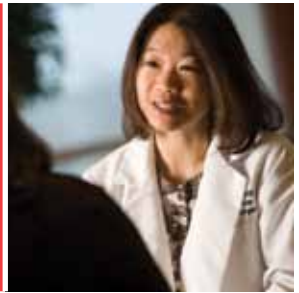


University Hospitals
Case Medical Center

Cleveland | Ohio

The Difference in Otolaryngology

Department of Otolaryngology





Among the nation's leading academic medical centers, University Hospitals Case Medical Center is the primary affiliate of Case Western Reserve University School of Medicine, a nationally recognized leader in medical research and education.







University Hospitals Case Medical Center

University Hospitals Case Medical Center has been at the forefront of patient care, physician education and medical research for more than 144 years.

Founded after the Civil War as a place of healing, the institution embraced a broader role as medical science advanced. By the turn of the twentieth century, a modern general hospital was enhanced by specialty facilities for women, children and infants. An affiliation with the medical school of what was then Western Reserve University – today Case Western Reserve University – made University Hospitals of Cleveland one of the first true academic medical centers in the United States, joining Johns Hopkins Hospital and Massachusetts General in combining the training of young physicians and the pursuit of laboratory research with delivery of the most advanced patient care.

Our mission:

To Heal.

To Teach.

To Discover.



University Hospitals Case Medical Center is located in University Circle, Cleveland's district of innovation in health care, education, arts and culture.

(Inset) The Rapid Transit Authority's HealthLine joins downtown Cleveland to University Circle.

In 1931, new facilities brought University Hospitals and the School of Medicine onto the same medical campus in University Circle. Over the years the complex continually expanded both its physical presence and the scope of its professional activities, adding diagnostic and treatment capabilities as well as top-flight physicians and surgeons. Eleven Nobel laureates have been affiliated with the medical center, helping to develop leading-edge treatments and therapies in such areas as heart disease, cancer, cystic fibrosis, neonatology and a host of subspecialties.

Today, as the primary affiliate of Case Western Reserve University School of Medicine, the **University Hospitals Case Medical Center** boasts a strengthened relationship to research and teaching and a large academic medical campus that incorporates nationally acclaimed hospitals including UH Rainbow Babies & Children's Hospital, UH Ireland Cancer Center and UH MacDonald Women's Hospital. In addition new institutes have emerged: The UH Neurological Institute, UH Harrington-McLaughlin Heart & Vascular Institute, UH Eye Institute, the UH Digestive Health Institute and the UH Urology Institute. The UH Case Medical Center campus, which provides patient-centered care with the most sophisticated diagnostic and therapeutic technologies, is augmented by a regional network of affiliated hospitals and suburban satellite locations.

University Hospitals is in the midst of completing Vision 2010, a five-year, \$1.2 billion strategic plan, which includes building a new freestanding 120-bed inpatient and outpatient UH Cancer Hospital to house the UH Ireland Cancer Center; a Center for Emergency Medicine at UH Case Medical Center for adults and children; a recently opened Neonatal Intensive Care Unit at UH Rainbow Babies & Children's Hospital, which was ranked second in the nation for newborn care by U.S. News & World Report; and building the UH Ahuja Medical Center, a 432,000-square-foot hospital and office building in Beachwood, Ohio, and several outpatient health centers throughout Northeast Ohio. A key portion of Vision 2010 focuses on implementing a new state-of-the-art Electronic Medical Record system throughout the health system.



As part of our strategic plan, the UH Cancer Hospital will open for patients in 2011. The 120-bed facility will bring together diagnostics, outpatient and inpatient treatment, surgery, clinical trials and professional education and research all under one roof.



Our History

From humble beginnings University Hospitals Case Medical Center has led the ranks of academic medicine in patient care, physician education and biomedical research, fulfilling all three elements of its ongoing mission – “To Heal. To Teach. To Discover.”

The world's earliest blood transfusion took place here in 1906, Dr. Spock began his child development research here, and CPR was first developed and taught here. UH Case Medical Center is where iodine's role in thyroid disease was discovered, where Dr. Claude Beck performed the first surgical treatment of coronary artery disease, and where research in cystic fibrosis was launched. Throughout its history, University Hospitals has led medical advancements that have improved the lives of people around the world.

Learn more about pioneering advancements, current research and future investments in **Otolaryngology**, one of University Hospitals Case Medical Center's most comprehensive and esteemed specialty areas.

Department of Otolaryngology – Head and Neck Surgery

The Department of Otolaryngology – Head and Neck Surgery at University Hospitals Case Medical Center is known for providing advanced, compassionate care and opening new doors in the field through research and education. It provides complete otolaryngology care for children and adults complemented by robust clinical research programs through the hospital's affiliation with Case Western Reserve University School of Medicine.

Historical Contributions to the Field

Before 1985 otolaryngology was a division of University Hospitals Department of Surgery and was led by Walter Maloney, MD, a pioneer in the field of otolaryngology who invented the Maloney dilator, a tool to dilate the esophagus that is still used today.

In 1985 Anthony Maniglia, MD, who was known for skull-base surgery, was recruited to turn this division of surgery into a stand-alone Department of Otolaryngology – Head and Neck Surgery. Until he retired in 2000, Dr. Maniglia, now chair emeritus, expanded the department by focusing on research and advanced clinical procedures. James Arnold, MD, succeeded him, becoming the first pediatric otolaryngologist in the U.S. to become a department chair.

Our Endowments

With the addition of two new endowments, the Department of Otolaryngology at University Hospitals Case Medical Center is one of few in the country to have three endowed chairs. Cliff Megerian, MD, Director of Otology and Neurotology, was awarded the Richard W. and Patricia R. Pogue Chair in Auditory Surgery and Hearing Sciences, a \$1.5 million endowment established by former University Hospitals' board member Pogue. Kumar N. Alagramam, PhD, was awarded the other new chair, the Anthony J. Maniglia, MD Chair in Otolaryngology Head & Neck Surgery for Research and Education, and leads the department's research activities.



Today the department is widely known for excellence in its training program, which emphasizes early exposure to hands-on surgical experience and dedication to academic and research pursuits. Its research faculty has made numerous contributions including the discovery of a gene for Usher syndrome; development of a genetic mouse model for Meniere's Disease; and discovery of an animal model of otitis media that has led to innovative treatment strategies for human otitis media.

Research and Advancements

NIH Research funding to Case Western Reserve University School of Medicine supports scientific, translational and clinical research at UH Case Medical Center.

The department's research portfolio includes numerous conditions affecting the head and neck, but focuses especially on the science and biology of hearing with the goal of preventing hearing loss and restoring hearing. This groundbreaking work has garnered more than \$2.5 million in total funding from the National Institutes of Health.

For example, as part of a multicenter NIH-funded study, Cliff Megerian, MD, is leading research at UH Case Medical Center on percutaneous cochlear implantation in collaboration with the lead team at Vanderbilt. Also, in 2009 Qing Yin Zheng, MD, was awarded a \$1.66 million NIH grant for a study that has potential to uncover



The Success of Our Residents

Many of the graduating class in the Department of Otolaryngology at the Case Western Reserve University School of Medicine's highly sought-after residency program have gone on to the field's most prestigious fellowships and appointments. For example, in the class of 2007, Samantha Anne, MD, completed a pediatric fellowship at Children's Hospital of Pittsburgh and is now on faculty at Cleveland Clinic; Nitin Pagedar, MD, completed a fellowship in Head & Neck Surgery at the University of Toronto and is now at the University of Iowa; and Maroun Semaan, MD, after a fellowship in Otolaryngology/Neurotology at the House Ear Institute in Los Angeles, has returned to the Department of Otolaryngology at University Hospitals Case Medical Center as a faculty member.



new therapeutic approaches to treat hearing loss in Usher syndrome, which accounts for nearly 50 percent of the deaf-blind population. The study, “Deciphering the Usher I protein interactome using a genetic approach,” is scheduled to run through March 2014.

Other research in the department, led by James Dennis, PhD, centers on tissue engineering for laryngotracheal reconstruction. The development of cortical bone substitutes, led by Jonathan Baskin, MD, and Steven Epell, PhD, has been continuously funded for four years. In addition, James Arnold, MD, and Robert Sprecher, MD, are developing a photodynamic therapy drug to manage laryngeal papillomatosis and other conditions in cooperation with the Department of Radiation Oncology.

Clinical Practice

The department’s multifaceted clinical practice encompasses head and neck, endoscopic sinus, craniofacial, skull-base, cleft lip and palate, and facial reconstructive surgeries, pediatric otolaryngology, neurotology, laryngology, audiology, and speech pathology and swallowing therapy, as well as comprehensive care of head and neck cancer through the UH Ireland Cancer Center and the Case Comprehensive Cancer Center. Its cochlear implant program is one of the top 10 programs nationally in number of implantations performed. Robert Sprecher, MD, is the Chief of the Division of Pediatric Otolaryngology at UH Rainbow Babies & Children’s Hospital, where the practice specializes in pediatric otolaryngology, pediatric airway disorders, chronic ear disease and the endoscopic treatment of sinus disease in children.

Future Projects and Investments

The Department of Otolaryngology – Head and Neck Surgery at UH Case Medical Center is entering one of the busiest times in its history – one with great potential to shape the field for years to come.

In research, Brian McDermott, MD, has been awarded a new \$1.9 million grant from the National Institute on Deafness and other Communication Disorders for a five-year study to reveal the molecular

mechanisms of hearing and deafness and focuses on hair cell biology using the zebra fish laboratory which was recently completed. The department is investing in upgrading its facilities to continue to provide incomparable care. At the UH Ireland Cancer Center, a soon-to-open advanced head and neck cancer center will provide the one-stop multidisciplinary expertise of oncologists, radiation oncologists, and otolaryngologists for specialized, personalized patient care. Under the direction of Nicole Maronian, MD, the department has just completed construction of a \$500,000 state-of-the-art voice center, which combines the best therapy practice and latest equipment.

In clinical practice, the department will expand its footprint throughout the University Hospitals system. In 2010 the cochlear implant program will expand to four sites around Northeast Ohio, the general otolaryngology practice will see patients at additional community sites, and the acoustic neuroma program will increase to meet the demands of 100 new patients.



Physicians & Scientists

at UH Case Medical Center and
Case Western Reserve University School of Medicine

Department of Otolaryngology – Head and Neck Surgery Leadership

James E. Arnold, MD

The Julius W. McCall Professor and
Chair of Otolaryngology

Cliff A. Megerian, MD

The Richard W. and Patricia R. Pogue Chair;
Professor and Vice Chairman of Otolaryngology
Director of Otology, Neurotology & Cochlear Implants

Kumar Alagramam, PhD

The Anthony J. Maniglia Chair;
Director of Research, Associate Professor

Joseph B. Carter, MD

Chair, MetroHealth Medical Center
Associate Professor

Jonathan Baskin, MD

Chief, Wade Park VA Medical Center
Assistant Professor

Physicians and scientists at University Hospitals
Case Medical Center and Case Western Reserve
University School of Medicine have published over
100 articles this past year. To review these current
publications, visit **UHhospitals.org/ENTpub**

Physicians & Scientists at UH Case Medical Center and Case Western Reserve University School of Medicine *(continued)*

Allergy/Rhinology

Steven M. Houser, MD
A. Tony Reisman, MD

Facial Plastics and Reconstructive Surgery

Rod Rezaee, MD, Chief
Jonathan Baskin, MD
Freedom Johnson, MD
David W. Stepnick, MD
Diana Ponsky, MD

General Otolaryngology

A. Tony Reisman, MD, Chief
Joseph B. Carter, MD
Diana Ponsky, MD
Melvin Strauss, MD

Laryngology and Voice Disorders

Nicole Maronian, MD, Chief
Harvey M. Tucker, MD

Head and Neck Surgical Oncology

Pierre Lavertu, MD, Chief
Rod Rezaee, MD
Freedom Johnson, MD
Nicole Maronian, MD

Otology and Neurotology

Cliff A. Megerian, MD, Chief
Gail Murray, PhD
Maroun Semaan, MD

Pediatric Otolaryngology

Robert Sprecher, MD, Chief
James E. Arnold, MD

Research Faculty

Kumar N. Alagramam, PhD, Director
Brian M. McDermott, PhD
Qing Yin Zheng, MD
James Dennis, PhD
Steven Eppell, PhD

Professor Emeritus

Anthony J. Maniglia, MD

Audiology

Gail S. Murray, MEd, PhD, CCC-A, FAAA
Associate Professor, Department of Otolaryngology – Head & Neck Surgery
Robin Piper, AuD, CCC-A
Andrea Sterkel, AuD, CCC-A
Christy Pappas, AuD, CCC-A
Leslie Schulman, MMSc, CCC-A
Christine Boyer, MS, CCC-A
Melissa Kelly Carter, MA, CCC-A
Ellen Cobler, AuD, CCC-A
A. Christine Dolan, AuD, CCC-A, FAAA
Katie Strange-Gierlach, AuD, CCC-A

Speech Pathology

Pediatric Speech Pathologists

Becky Bowen, MA, CCC-SLP
Maureen Hockaday, MA, CCC-SLP
Kristen Pugh, MA, CCC-SLP
Annie Royle, MA, CCC-SLP
Amanda Rodgers, MA, CCC-SLP
Nichole Russell, MA, CCC-SLP
Catherine Walsh, MA, CCC-SLP
Wendi Willmer, MA, CCC-SLP
Lindsay Zombek, MA, CCC-SLP

Adult – Swallowing (Head and Neck)

Michelle Fritz, MA, CCC-SLP
Tracey Newman, MA, CCC-SLP
Gina Nicastro, MA, CCC-SLP
Jennifer Roberts, MA, CF-SLP

Adult – Voice

Tracey Newman, MA, CCC-SLP
Gina Nicastro, MA, CCC-SLP
Elizabeth Bolek, MA, CCC-SLP – Speech Supervisor



