

# Otorhinolaryngology Head and Neck Surgery



**Since opening in 1970, the Department of Otorhinolaryngology–Head and Neck Surgery at Montefiore Medical Center has worked to provide the best quality care to patients, conduct leading-edge research and train the next generation of specialists.**

#### **Our services:**

- Audiology and speech pathology
- Bronchoesophagology
- Facial plastic and reconstructive surgery
- Pediatric otorhinolaryngology
- Head and neck cancer
- Laryngology
- Thyroid diseases
- Neurotology
- Otology
- Rhinology
- Sleep medicine

#### **Our research**

Our department is committed to high-quality clinical and translational research that can improve the lives of the patients we treat. There are active and ongoing projects in every discipline of our department. These include the study of surgical advancements to improve sleep apnea, the evaluation of vascular changes in the nasal mucosa after treatment for cardiac failure, as well as several projects that aim to better diagnose and treat disorders of hearing and communication. Our commitment to high quality education has led to ongoing research in surgical simulation to improve methods for instructing our trainees. Additionally, our head and neck cancer genomics and epigenetics program, which has been active for over a decade, aims to better define molecular biomarkers and improve treatments. Several of the research efforts in the Department of Otorhinolaryngology–Head and Neck Surgery have been strengthened by collaborations with leaders from other clinical and basic science departments in both Montefiore and the Albert Einstein College of Medicine.

## Our Approach

To deliver the most comprehensive, individualized care, we take a multidisciplinary approach and collaborate with a wide range of specialties at Montefiore. We also work closely with audiologists and voice and speech therapists, many of whom are within our department.



# Head and Neck Surgery

We provide individualized care for patients with head and neck cancer. Our physicians take a multidisciplinary approach to patient care, working closely with radiation and medical oncologists, oral and plastic surgeons, speech–swallow pathologists, nutritionists and other specialists.

To foster the comprehensive care of all patients with head and neck cancer, we hold weekly tumor board meetings to coordinate optimal patient care. We also recently opened a weekly multidisciplinary office session at the Montefiore Einstein Center for Cancer Care. We are committed to providing excellent care and will see new head and neck cancer patients within two business days.

## Conditions treated include:

- All head and neck cancers
- Salivary disorders
- Thyroid nodules and tumors
- Parathyroid disorders
- Swallowing difficulties and Zenker's diverticulae
- Skull-base tumors
- Sinonasal tumors
- Skin cancers of the head and neck

## Procedures offered include:

- Transoral robotic surgery
- Transoral laser surgery
- Minimally invasive thyroid and parathyroid surgery
- Endoscopic skull-base surgery
- Complex head and neck reconstruction
- Surgery for all cancer of the head and neck, throat and voice box
- Sentinel lymph node biopsy
- Surgery for tracheal stenosis



# Pediatric Otorhinolaryngology

Our pediatric otolaryngologists are based at The Children's Hospital at Montefiore, ranked one of the best pediatric hospitals in the country.

## Conditions treated include:

- Hearing loss
- Obstructive sleep apnea
- Congenital deformities
- Neck masses
- Voice and sinus ailments

## Procedures offered include:

- Cochlear implantation, also known as restorative hearing surgery
- Image-guided sinus surgery
- Tonsillectomy and adenoidectomy
- Head and neck tumors and masses, including cancer and vascular anomalies
- Thyroid surgery
- Major airway and voice surgery, which includes reconstructive and restorative tracheal/laryngeal surgery



# Otology and Neurotology

As a regional referral center for otologic and neurotologic patients, we work closely with specialists in audiology, head and neck surgery, and neurosurgery to provide state-of-the-art, comprehensive care to treat patients with hearing loss, ear infections, inner ear disorders, acoustic neuromas, and tumors of the mastoid and lateral skull base.

## Conditions treated include:

- Acoustic neuroma/vestibular schwannoma
- Acute and chronic ear infections
- Conductive and sensory hearing loss
- Facial nerve weakness
- Meniere's disease
- Otosclerosis
- Pulsatile tinnitus
- Skull-base tumors in all age groups
- Temporal bone tumors
- Cholesteatoma
- Bilateral deafness
- Single-sided deafness

## Procedures offered include:

- Acoustic neuroma/vestibular schwannoma management
- BAHA implantation
- Cochlear implantation
- Revision mastoid surgery
- Facial nerve reanimation procedures
- Gentamicin injection
- Intratympanic steroids
- Labyrinthectomy
- Meniett treatment
- Myringotomy and tubes
- Ossicular chain reconstruction
- Skull-base tumor resection and management
- Stapedectomy
- Tympanoplasty
- Tympanomastoidectomy



*“I enjoy helping people both look and feel better. Dual training in facial plastic surgery and otolaryngology allows me to improve both function and appearance for patients with nasal and facial disorders.”*

**Rebecca Fraioli, MD**

Attending Physician, Department of  
Otorhinolaryngology–Head and Neck Surgery  
Clinical Site Director of Otolaryngology at Wakefield Campus  
Montefiore Medical Center  
Assistant Professor  
Albert Einstein College of Medicine





# Facial Plastic and Reconstructive Surgery

Our surgeons are skilled in a variety of reconstructive and cosmetic procedures that can help restore function, improve appearance and reduce the signs of aging.

## Conditions treated include:

- Nasal obstruction and deviated nasal septum
- Post-traumatic or acquired nasal deformity
- Nasal fracture (broken nose)
- Nasal septal perforation (hole in nasal septum)
- Congenital nasal deformity, including cleft nasal deformity
- Ear deformities, including protruding ears
- Facial paralysis, weakness or asymmetry
- Bell's palsy
- Aging face concerns
- Skin cancer or skin lesions
- Keloids or prominent scars

## Procedures offered include:

- Septoplasty and turbinate reduction
- Rhinoplasty, revision rhinoplasty and nasal reconstruction (both functional and aesthetic)
- Otoplasty (setback of protruding ears) and repair of torn or damaged earlobes
- Rhytidectomy (facelift)
- Brow lift (forehead rejuvenation)
- Blepharoplasty (eyelid lift)
- Repair of facial defects following excision of skin cancer or Mohs surgery
- Treatment for facial nerve disorders, including facial nerve reanimation
- Botox and Juvederm injections for facial lines and hollows
- Cosmetic surgery

# Rhinology and Skull-Base Surgery (Nasal and Sinus Diseases)

The Division of Rhinology provides the highest level of care to our patients, who are treated for a wide range of sinonasal disorders. Utilizing advances in cutting-edge technology and research, our experienced specialists are able to provide comprehensive nonoperative and operative care to achieve the best outcomes for patients suffering from diseases of the nose, paranasal sinuses and skull base.

## Conditions treated include:

- Nasal obstruction
- Allergic and nonallergic rhinitis
- Epistaxis (nosebleeds)
- Acute and chronic sinusitis
- Complications of sinusitis
- Nasal polyposis
- Sinonasal tumors
- Skull-base tumors

## Procedures offered include:

- Septoplasty and turbinolasty
- Control of nasal hemorrhage with endoscopic vessel ligation
- Endoscopic sinus surgery (primary and revision)
- Sinus balloon dilation
- Endoscopic skull-based surgery for cerebrospinal fluid (CSF) leak, encephalocele repair and skull-base tumors
- Combined open and endoscopic approaches for advanced sinus and skull-base disease



# General Otorhinolaryngology/ Sleep Medicine

Our approach to treating patients with sleep disorders is integrative, combining all treatment modalities. We provide cutting-edge surgical techniques for obstructive sleep apnea in multiple levels of the upper airway, including the nose, the soft palate and the tongue base. We collaborate with other sleep physicians at Montefiore, as well as with dentists, neurologists, pulmonologists and pediatricians to ensure comprehensive care.

## Conditions treated include:

- Snoring
- Obstructive sleep apnea
- Upper-airway resistance syndrome
- Nasal congestion
- CPAP intolerance

## Procedures offered include:

- Tongue-base procedures, including coblation radio-frequency reduction, repose suture suspension and genioglossus advancement
- Hyoid myotomy and suspension
- Uvulopalatopharyngoplasty using coblation technology
- Pillar implants
- Tonsillectomy (total and subcapsular), coblation™ adenotonsillectomy and lingual tonsillectomy
- Septoplasty, turbinate reduction, nasal valve stiffening procedures and sinus surgery



# Laryngology and Voice Disorders

There have been significant advances in recent years in the diagnosis and treatment of laryngeal and bronchoesophageal conditions. We offer state-of-the-art management of a wide range of upper aerodigestive problems affecting voice, swallow and breathing and offer a range of diagnostic and therapeutic options for both the office setting and the operating room.

## Conditions treated include:

- Vocal cord paresis or paralysis
- Benign mucosal lesions, including nodules, cysts and polyps
- Acute and chronic laryngitis
- Laryngopharyngeal reflux
- Granulomas
- Papillomas
- Scarring of the vocal cords and airway
- Precancer and cancer of the larynx
- Neurologic disorders affecting speech and swallowing
- Spasmodic dysphonia
- Functional voice disorders
- Laryngeal trauma
- Systemic disease affecting the larynx
- Upper esophageal sphincter disorders

## Procedures offered include:

- Injection laryngoplasty
- Transnasal esophagoscopy
- Laryngeal electromyography and Botox® injection
- Transoral and transnasal laryngeal and pharyngeal biopsies
- Vocal cord injection of medication
- Complete speech and swallowing evaluations
- Modified barium swallow evaluations
- Flexible fiber-optic evaluation of swallowing and laryngeal sensory testing
- Speech therapy
- Stroboscopy
- Swallow therapy
- Voice rehabilitation after cancer surgery

*“Problems involving the larynx, airway and upper esophagus can greatly interfere with our ability to speak, breathe and swallow. They can have a profoundly negative impact on the quality of our life. We offer specialized evaluation and treatment of the many different problems that can affect our ability to speak, breathe and swallow.”*

**Melin Tan-Geller, MD**

Attending Physician, Department of  
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Montefiore Medical Center  
Assistant Professor  
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# Leadership



**Marvin P. Fried, MD**  
Professor and University Chairman,  
Department of Otorhinologygology–  
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Montefiore Medical Center and  
Albert Einstein College of Medicine  
*Specializes in Rhinology and Laryngology*



**Richard V. Smith, MD**  
Vice Chairman, Department of  
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Director, Head and Neck Service  
Montefiore Medical Center  
Professor, Pathology and Surgery  
Co-Director, Upper Aerodigestive Tract  
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Albert Einstein College of Medicine  
*Specializes in Head and Neck Surgery*

*“Our team is always available to physicians who have complex cases or need assistance with a difficult diagnosis—they do not have to go far to find experts across the entire field of otorhinologygology and head and neck surgery.”*

**Marvin P. Fried, MD**

Professor and University Chairman, Department of  
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# Our Team



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Reconstructive Surgery***



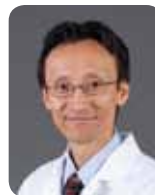
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**Montefiore**  
THE UNIVERSITY HOSPITAL



Montefiore, the University Hospital for Albert Einstein College of Medicine, is recognized among the top hospitals nationally and regionally by *U.S. News & World Report*.