

Audiologists

The pediatric audiology team works to identify and diagnose hearing loss within the first weeks of life. Using a wide variety of tests and techniques, our pediatric audiologists can expertly identify the type, degree, and severity of a child's hearing loss. We work to provide comprehensive early intervention, insuring that children receive important auditory information during the early, critical intervals of hearing development. Our audiologists are specialists in hearing aids, BAHAs, cochlear implants, and auditory brainstem implants for children.

Speech and Hearing Specialists

When hearing is impaired, language is delayed. Our speech and hearing specialists work to develop appropriate receptive and expressive language for children. Early and continuous intervention is crucial for proper speech and hearing development. Throughout your patient's life, speech and language assessments gauge a child's progress and needs. We will ensure that you have the proper tools to work with your patient's speech and hearing development.

Neurosurgery

Mass. Eye and Ear physicians collaborate with pediatric neurosurgeons from Massachusetts General Hospital (MGH) and the MGH NF Clinic for the care of children with NF2 who require chemotherapy, surgery, or auditory brainstem implantation.

Geneticists

Mass. Eye and Ear physicians consult with genetic specialists at Massachusetts General Hospital who provide expertise on determining any possible genetic causes of your patient's hearing loss or complex ear condition.

Research

Active research in our center includes:

- 1) Audiologic outcomes following pediatric cochlear implant surgery
- 2) Balance function in bilateral cochlear implant users
- 3) Optical stimulation of the auditory pathways
- 4) Superior canal dehiscence syndrome
- 5) Balance dysfunction in children with sensorineural hearing loss
- 6) Efficacy of newborn hearing screening
- 7) Causes of hearing loss in pre-term infants

The child on the cover received bilateral cochlear implants at Mass. Eye and Ear when she was one year old.



Pediatric Ear, Hearing and Balance Center

For more information or to make an appointment, call (617) 573-3190.

243 Charles Street • Boston, MA 02114
MassEyeAndEar.org



**Massachusetts
Eye and Ear
Infirmary**

About the Center

Our multidisciplinary team uses leading-edge techniques and technology, combined with the kind of understanding and compassion children and their parents need while facing medical and surgical issues. Our team gives careful consideration to a range of medical and surgical interventions to ensure the most advanced and effective care plan for children. We stand ready to help achieve the best outcome possible.

Our center offers:

- Fellowship-trained:
 - Pediatric ENT surgeons specializing in ear surgery, bone-anchored hearing aids (BAHAs) and cochlear implants
 - Pediatric neuro-otologic surgery and neurosurgery specializing in tumor surgery and auditory brainstem implants (ABI) for children with NF2
 - Neurologists specializing in children with dizziness
 - Pediatric geneticists
 - Pediatric anesthesiologists
- Pediatric audiology, ABR testing, hearing aid services, vestibular testing and speech therapy
- Audiologic and surgical support for all three FDA-approved cochlear implants and ABIs
- Pediatric ENT trained nurses and child life specialists
- Dedicated pediatric waiting rooms, exam areas and treatment facilities

Diagnosis

Our diagnostic services include:

- Pediatric audiology, ABR testing, hearing aid services, vestibular testing and speech therapy
- Support for the bone-anchored hearing aid (BAHA)
- Support for all three FDA-approved cochlear implants and auditory brainstem implants

Our Specialists

All Pediatric Ear, Hearing and Balance Center physicians are board-certified. Our physicians are able to deliver comprehensive care in all areas of routine to complex ear, hearing and balance issues.



Michael Cohen, M.D.

Board Certification: Otolaryngology

Specialties: Otology, hearing loss, chronic otitis media, cholesteatoma, BAHA surgery, cochlear implants



Donald Keamy, M.D., M.P.H.

Board Certification: Otolaryngology

Specialties: Hearing loss, chronic otitis media, cholesteatoma, sinus surgery



Daniel Lee, M.D., F.A.C.S.

Director of Pediatric Otology and Neurotology

Board Certification: Otolaryngology

Specialties: Ear surgery, BAHA surgery, cochlear implant surgery, auditory brainstem implant surgery, lateral skull base surgery (for tumor removal, CSF leak repair)



Richard Lewis, M.D.

Board Certification: Neurology

Specialties: Otoneurology – dizziness and vertigo of childhood, superior canal dehiscence, vestibular migraine



Leila Mankarious, M.D.

Board Certification: Otolaryngology

Specialties: Otology, hearing loss, chronic otitis media, cholesteatoma, cochlear implants

Treatment

Our pediatric specialists provide world-class medical and surgical care for infants and children with a variety of ear, hearing, and balance disorders.

Ear and Hearing

- Atresia and microtia
- Auditory brainstem implants
- Bone-anchored hearing aids (BAHA)
- Cholesteatoma, congenital or acquired
- Chronic ear infections
- Cochlear implants (including single-stage and sequential bilateral implants)
- Conductive and sensorineural hearing loss
- CSF leak of lateral skull base
- Hearing and language disorders
- Infection of pre-auricular sinus / fistula
- Tumors of the ear and skull base (including acoustic neuroma and NF2 patients)
- Tympanic membrane perforation
- Vascular malformations

Balance

- Benign paroxysmal vertigo of childhood
- Labyrinthitis / vestibular neuronitis
- Meniere's Disease
- Superior semicircular canal dehiscence
- Vestibular migraine



Dr. Daniel Lee examines one of his pediatric patients who underwent surgery for a cholesteatoma.

To view our physicians' full biographies, visit MassEyeAndEar.org