



Advancement in Pediatric Otolaryngology

Ho-Sheng Lin*

Department of Otolaryngology, Wayne State University, Wayne, USA

*Corresponding author: Ho-Sheng L, Department of Otolaryngology, Wayne State University, Wayne, USA, E-mail: ho-she02@lsuhsc.edu

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Introduction

The pediatric otolaryngology (ENT) team has extensive experience caring for children with serious medical and surgical conditions of the ear, nose, and throat, including those related to breathing and the airway, feeding and swallowing, voice and speech, the face and skull, the nose and sinuses, sleep, fetal tissues, and head and neck tumors. Parents seeking answers and the best treatment for their children's critical and hard medical disorders have long turned to Mayo Clinic. For children with complex ear, nose, and throat difficulties, the clinic's cutting-edge technology and therapies include:

Anatomical modeling lab in 3D

Pediatric radiologists use CT and MRI scans to construct 3D models of complex anatomy that surgeons can use to plan their approach.

Minimally invasive surgery

The term "minimally invasive surgery" refers to surgery that is performed with the least amount this method is employed to reduce tissue damage and pain.

Proton beam therapy: This is a type of radiation therapy that uses protons to treat cancer because their organs are still developing, children with cancer can benefit the most from proton beam therapy and, conversely, can suffer the most long-term harm from traditional radiation therapy.

Specialized surgeries

Surgical procedures that are unique Mayo Clinic in Minnesota is one of the few medical institutes in the US that can undertake specialty surgeries for children with ear, nose, and throat problems, such as laryngotracheal reconstruction, airway stenting, and integrated surgery and sclerotherapy for complex vascular malformations.

Pediatric otolaryngologists specialize in the medical and surgical treatment of children's ear, nose, and throat problems. Diagnosis and treatment of ear, nose, and throat issues, as well as head and neck diseases, are common services provided by pediatric otolaryngologists. Compendium of medical knowledge and care for children with complex otolaryngologic illnesses and/or common otolaryngologic illnesses in otherwise complex children is characterized as Complex Pediatric Otolaryngology.

In general, pediatric otolaryngologists deliver the following services:

- Ear, nose, and throat issues, as well as head and neck ailments, are diagnosed and treated.
- Head and neck surgery, including pre-and post-operative care
- When ear, nose, and throat disorders are discovered, other doctors are consulted.
- Assisting with the diagnosis of communication difficulties in youngsters.

Children are not to be mistaken for small adults. They may not always be able to express what is hurting them. They may not always be able to answer medical inquiries or be patient and cooperative during a medical check-up. Pediatric otolaryngologists are skilled at examining and treating children in a way that helps them feel at ease. Pediatric otolaryngologists also employ equipment that is specifically created for youngsters. The offices of most pediatric otolaryngologists are designed and decorated with children in mind. This includes waiting rooms and examination rooms, which may have toys, films, and reading materials for youngsters. This aids in the creation of a safe and comfortable atmosphere for your child.

If your child's paediatrician recommends that he see a specialist for an ear, nose, or throat problem, a paediatric otolaryngologist has the most treatment options, the most extensive and comprehensive training, and the most expertise in dealing with children and treating children's ear, nose, and throat disorders.

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