

UNION EUROPEENNE DES MEDECINS SPECIALISTES (UEMS)
EUROPEAN UNION OF MEDICAL SPECIALISTS (UEMS)

SUBSPECIALTY LOGBOOK PAEDIATRIC OTORHINOLARYNGOLOGY
(revision 2024)

TRAINING PROGRAMME

INTRODUCTION

The UEMS ORL Section and Board of Otorhinolaryngology has revised the European subspecialty training programme for the Specialty in 2024. This programme will serve as a guideline for training centres enabling them to meet the European Standard as set out by the European Board of UEMS. We are moving towards competence-based assessments.

WORKING GROUP

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DEFINITION

Otorhinolaryngology (ORL) is the specialty which deals with functions and diseases of the ear, nose, throat, skull base, head and Neck. Disorders include trauma, malformations, tumors and other disorders in childhood and in adults of the ear, temporal bone, lateral skull base, nose, paranasal sinuses, anterior skull base, oral cavity, pharynx, larynx, trachea, esophagus, head, neck, thyroid, salivary and lacrimal glands and adjacent structures. It also includes investigation and treatment of conditions affecting the auditory, vestibular, olfactory and gustatory senses and disorders of the cranial nerves as well as human communication in respect of speech, language and voice disorders. Some of the conditions diagnosed by otorhinolaryngologists but located in adjacent areas will be treated with close cooperation with these related specialists.

The subspecialty of paediatric otorhinolaryngology is composed of surgeons who have acquired specialized knowledge and high surgical skills during their subspecialty training in the history-taking, examination, investigation and treatment planning (surgical and non-surgical

treatment) of benign and malignant conditions, malformations and trauma in paediatric otorhinolaryngology as defined in the accompanying subspecialty log book. Within the subspeciality of pediatric ENT, there is an emphasis on multidisciplinary and family centered care.

THE TRAINING PROGRAMME

The training programme will consist of the following elements:

1. Acquisition of the principles of surgery in general and theoretical knowledge of anatomy, physiology, pathology, aetiology, symptomatology and treatment of diseases of paediatric otorhinolaryngology.
2. A graded increase in clinical responsibilities and surgical experience will be developed and should be recorded in the log book.
3. A list of diagnostic procedures, non-surgical management and surgical management is outlined in this UEMS ORL Section and Board subspecialty logbook.
4. The European training programme requires documentation of all skills and operative procedures/management itemized in the section of surgical management. Confirmation of the progression of the trainee to the required competency is necessary.
5. This subspecialty log book will be used in relation to European training exchange.

ASSESSMENT AND EXAMINATION

1. Examination of the theoretical and practical knowledge of the trainee may be included in the European Training Requirements (ETR). Trainees should also refer to their national requirements.
2. To achieve the award of the certificate of recognition, the trainee must reach the expected level of knowledge and skills approved by the training programme director before being eligible to practise as an independent paediatric otorhinolaryngology subspecialist.
3. Each trainee must be familiar with all diagnostic and therapeutic (surgical and non-surgical) management associated with the discipline of paediatric otorhinolaryngology.

4. The trainer will be responsible for confirming the competence of the trainee for the procedures and management outlined in the logbook.
5. The contents of this subspecialty logbook will be continuously updated by the UEMS ORL-HNS Board at least every 5 years with respect to new developments.
6. The recommended syllabus for the European Board Exam in ORL-HNS includes this logbook produced by the UEMS ORL Section, and the Intercollegiate Surgical Curriculum Programme Syllabus.

TRAINING CENTRE ROTATION

Trainee:

Name

Surname

Birthdate

Dates of start and finish of training period	Training Centre	Name of Trainer	Signature of Trainer

**UEMS TRAINING SUBSPECIALTY LOGBOOK OF
PAEDIATRIC OTORHINOLARYNGOLOGY COMPLETION OF TRAINING**

Trainee: _____
Name Surname Birthdate

Date of commencement of training: _____

Date of completion of training: _____

Lead Trainingcenter	
Name of Trainer in charge	

I, **the trainer in charge**, certify that the register of diagnostic, non-surgical and surgical management shown below is correct.

Date: _____ Signature of trainer: _____

I, **the trainee** certifies that the details given refer to diagnostic, non-surgical and surgical management carried out by me personally or were operations at which I acted as assistant.

Date: _____ Signature of trainee: _____

CONTENT OF THE PAEDIATRIC OTORHINOLARYNGOLOGY SUBSPECIALTY LOGBOOK

The log book is divided into the following sections.

- 1. Otology**
- 2. Laryngology & Phoniatics**
- 3. Rhinology, Allergology**
- 4. Head/Neck**
- 5. Postoperative Complications**
- 6. Multidisciplinary management and child centred approach**

The relevant trainer should endorse by signing and dating, when the trainee has achieved competency in each particular management or procedure.

TEXTBOOKS & LITERATURE

- **Pediatric Airway surgery. Management of laryngotracheal stenosis in infants and children. Ph Monnier Ed. Springer**
- **Paediatric Otorhinolaryngology. Ray Clarke Ed. Thieme**
- **Cummings Pediatric Otorhinolaryngology 2nd edition. Ed Marci l' Esperance. Elsevier**
- **International Journal of Paediatric Otorhinolaryngology**

COURSES/MEETINGS

Biannual ESPO meeting

Participation in education training with theoretical and practical courses organized by pediatric ORL teams.

PAEDIATRIC OTORHINOLARYNGOLOGY

1. OTOLOGY

Diseases/Disorders

	Signature trainer when competency achieved
Detailed knowledge about the pathophysiology of audiological, otological and neurotological diseases and disorders including syndromes/malformations and facial nerve disorders.	

Clinical Examination

	Signature trainer when competency achieved
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General

Comprehensive age-appropriate examination skills including micro-otoscopy, oto-endoscopy and neuro-otological examination	
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Diagnostic Procedures

Knowledge of age-appropriate audiometric assessments, i.e. tympanometry, ABR, ASSR, OAE and neonatal hearing screening	
Be competent to performing a comprehensive assessment of complex pediatric otological conditions by arranging and interpreting the relevant diagnostic investigations including laboratory tests, microbiology genetic testing and imaging including CT and MRI	

Medical treatment

Knowledge of pharmacological treatment including topical and systemic antibiotics, corticosteroids and disease specific drug treatment	
Individualized referral for hearing aids and auditory rehabilitation	

Surgical Treatment

	Signature trainer when competency achieved
All basic otological procedures including foreign body removal, myringotomy and ventilation tube insertion	
Tympanoplasty +- ossicular reconstruction	
Cortical mastoidectomy	
Mastoid exploration	
Auditory implants	
Otoplasty and auricular reconstruction	

2. LARYNGOLOGY & PHONIATRICS		
Diseases/Disorders		
		Signature trainer when competency achieved
Detailed knowledge about the pathophysiology of congenital or acquired diseases and conditions of the upper airway and trachea resulting in stridor, dysphonia, swallowing problems or respiratory distress. Relevant Speech-language disorders		
History		
		Signature trainer when competency achieved
Comprehensive history taking skills from child and parents regarding the presenting symptoms of the conditions described above		
Clinical Examination		
		Signature trainer when competency achieved
General		
Comprehensive age-appropriate examination skills including flexible endoscopy		
Diagnostic Procedures		
Be competent to performing a comprehensive assessment of complex pediatric laryngological and phoniatic conditions by arranging and interpreting the relevant diagnostic investigations including laboratory tests, microbiology genetic testing, imaging including CT, MRI and swallowing studies		
Flexible airway endoscopy and FEES		
Rigid and flexible laryngo-tracheo-bronchoscopy and suspension microlaryngoscopy		
Medical Treatment		
		Signature trainer when competency achieved
Knowledge of pharmacological treatment including antibiotics, corticosteroids, inhalations, and disease specific drug treatment (i.e. propranolol, avastin, cidofovir) Speech/language therapy and rehabilitation		
Surgical Treatment		
		Signature trainer when competency achieved
Removal of foreign bodies from the larynx, trachea, bronchi and oesophagus		
Endotracheal intubation		
Tracheotomy – tracheostomy		

Supraglottoplasty		
Management of laryngo-tracheal stenosis and tumours of the aerodigestive tract		
3. RHINOLOGY, ALLERGOLOGY		
Diseases/Disorders		
Detailed knowledge about the pathophysiology congenital and acquired conditions of the nose and paranasal sinuses		Signature trainer when competency achieved
History		
		Signature trainer when competency achieved
Comprehensive history taking skills from child and parents regarding the presenting symptoms of the conditions described above		
Clinical Examination		
		Signature trainer when competency achieved
General		
Comprehensive age-appropriate examination skills including rigid and flexible endoscopy of the nose and nasopharynx		
Diagnostic Procedures		
Be competent to performing a comprehensive assessment of complex pediatric rhinological conditions by arranging and interpreting the relevant diagnostic investigations including laboratory tests, microbiology genetic testing and imaging including CT and MRI		
Interpretation of skin prick tests, allergy provocation test and smell tests		
Biopsy of the nasal mucosa and analysis of ciliary motility		
Medical Treatment		
		Signature trainer when competency achieved
Knowledge of pharmacological treatment antibiotics, topical and systemic steroids, anti-histamines, leukotriene receptor antagonists and biologicals Hyposensibilisation		
Surgical Treatment		
		Signature trainer when competency achieved
Control of epistaxis, nasale packing/cautery, endoscopic ligation		
Foreign body removal		
Reposition of nasal fractures		
Drainage of septal hematoma/abscess		
Septal surgery +- turbinate surgery		

Paediatric FESS including management of orbital and skull base pathology		
Corrections of malformations (e.g. choanal atresia, fistulae, dermoids, etc)		
Juvenile angiofibroma endoscopic/open surgery		
4 HEAD / NECK		
Diseases/Disorders		
		Signature trainer when competency achieved
Detailed knowledge about the pathophysiology of congenital or acquired diseases and conditions of the head and neck region including oral cavity and sleep-disordered breathing		
History		
		Signature trainer when competency achieved
Comprehensive history taking skills from child and parents regarding the presenting symptoms of the conditions described above		
Clinical Examination		
		Signature trainer when competency achieved
General		
Comprehensive age-appropriate examination skills including rigid and flexible endoscopy of the upper airway and aero-digestive tract		
Diagnostic Procedures		
Be competent to performing a comprehensive assessment of complex pediatric laryngological and head/neck conditions by arranging and interpreting the relevant diagnostic investigations including laboratory tests, microbiology genetic testing, sleep studies, imaging including ultrasound +- FNA, MRI, CT, PET, angiography		
Medical Treatment		
		Signature trainer when competency achieved
Knowledge of pharmacological treatment including antibiotics, corticosteroids therapy, inhalations, and disease specific drug treatment (ex-Botox, sclerosing agents ...)		
Surgical Treatment		
		Signature trainer when competency achieved
All basic head and neck/oropharyngeal procedures including adenoidectomy, tonsillectomy and tonsillotomy, drainage of peritonsillar abscess, foreign body removal		

Salivary gland surgery including sialendoscopy, removal of calculi, surgical treatment for drooling and removal of salivary gland tumours		
Incision and drainage of deep neck space abscesses		
Surgical treatment of congenital cysts and fistula		
Surgical treatment of benign and malignant head and neck tumors including the thyroid gland		
5 POSTOPERATIVE COMPLICATIONS		
		Signature trainer when competency achieved
Prompt recognition and management of complications resulting from the conditions and interventions listed above: bleeding, infection, nerve injury/dysfunction, fistula, acute airway obstruction, orbital and intra cranial complications, skull base injury, hearing loss and vertigo		
6. MULTIDISCIPLINARY MANAGEMENT AND CHILD FOCUSED CLINICS		
Close collaboration with parents and caregivers, pediatricians, anesthesiologists, audiologists, speech-language pathologist, pediatric nurses and other clinicians involved in the multidisciplinary care of ENT disorders in children		
Knowledge and use of appropriate communication strategies to manage children with behavioral problems, anxiety or developmental delay		
Knowledge and use methods to perform clinical examination in children with behavioral problems, anxiety or developmental delay such as nitrous oxide, melatonin		