

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

SUBSPECIALTY LOGBOOK LARYNX
(revision 2024)

TRAINING PROGRAMME

INTRODUCTION

The UEMS ORL-HNS Section and the Board of Otorhinolaryngology has revised the European subspecialty training programme 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.

DEFINITION

Otorhinolaryngology-Head & Neck Surgery (ORL-HNS) 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 laryngology is composed of ORL doctors 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 larynx as defined in the accompanying subspecialty log book.

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 the head and neck.
2. Trainees should have access to facilities for neck dissection. They should be able to familiarize themselves with the basic techniques of surgery in larynx, with either real or virtual surgical and endoscopic techniques.
3. A list of diagnostic procedures, non-surgical management and surgical management is outlined in this subspecialty logbook.
4. The Subspecialty 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 can be included in the training programme. Trainees should remember 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 head and neck subspecialist.
3. Each trainee must be familiar with all diagnostic and therapeutic (surgical and non-surgical) management associated with the discipline of the larynx.
4. The trainer will be responsible for confirming the competence of the trainee for the procedures and management outlined in the subspecialty logbook.

5. The contents of the log book 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-HNS 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

ATTENDANCE AT ACCREDITED COURSES AND MEETINGS

Date	Course	Comments

UEMS TRAINING LOGBOOK OF LARYNX 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 LARYNX LOGBOOK

The log book is divided into the following sections.

1: GENERAL PRINCIPLES IN LARYNGOLOGY

2: NON-MALIGNANT DISORDERS

3: MALIGNANT DISORDERS

4: DIAGNOSTICS IN LARYNGOLOGY

5: MANAGEMENT

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

TEXTBOOKS & LITERATURE

LARYNX

1: GENERAL PRINCIPLES IN LARYNGOLOGY

		Signature trainer when competency achieved
Anatomy & physiology of aerodigestive tract/neck		
Pathophysiology of voice, swallowing and airway disorders		
Knowledge of relevant PROMS and QoL measures		
Perform and interpret specific diagnostic exams according to current guidelines		
Principles of cytological and histopathological sampling and evaluations		
Principles of multidisciplinary management and timely engagement of related specialties		
Principles and safety aspects of office-based procedures		
Principles of local and topical anesthesia		
Knowledge of surgical equipment and instruments		
Principles of laser technology and safety		
Principles and techniques of powered instrumentation (e.g. Shaver) and robotic surgery (TORS, TOUSS)		
Principles and procedures for intubation and ventilation		
Principles of intra-operative neural monitoring		
Principles of pre-and postoperative care including nutrition, health optimisation, pain management, rehabilitation and complications		
Knowledge of scientific topics, trials, databases and guidelines in malignant and non-malignant disorders		
Knowledge of applications of AI in laryngology		
Principles of pediatric surgery		
Principles and management of professional voice		
Principles and management of gender affirming voice interventions		

2: NON-MALIGNANT DISORDERS

		Signature trainer when competency achieved
Knowledge of specific non-malignant laryngological disorders such as		
<ul style="list-style-type: none"> congenital/anatomical 		
<ul style="list-style-type: none"> infectious 		

<ul style="list-style-type: none">• neoplastic		
<ul style="list-style-type: none">• immunological		
<ul style="list-style-type: none">• trauma/iatrogenic		
<ul style="list-style-type: none">• other		
Preventative strategies in benign non-malignant disorders		
3: MALIGNANT DISORDERS		
		Signature trainer when competency achieved
Principles of carcinogenesis, molecular biology and immunobiology of HN oncology		
Epidemiology and biostatistics of cancer management		
TNM staging		
Basics of cancer management including principles, indications, side effects and limitations of		
<ul style="list-style-type: none">• Surgery		
<ul style="list-style-type: none">• Radiotherapy		
<ul style="list-style-type: none">• Chemotherapy agents		
<ul style="list-style-type: none">• Targeted therapy		
Basic principles of tissue reconstruction including flap surgery		
Principles of palliative and supportive treatment		
4: DIAGNOSTICS IN LARYNGOLOGY		
		Signature trainer when competency achieved
CLINICAL INVESTIGATIONS		
History including relevant QoL and functional questionnaires		
General ENT and neurological examination		
Flexible pharyngo-, laryngo-, tracheoscopy		
Transnasal esophagoscopy (TNO)		
Filtered light endoscopy (such as narrow band imaging (NBI))		
Video-laryngo-stroboscopy and/or high-speed camera recording and/or kymography of vocal fold vibration (rigid or flexible)		
Voice analysis protocol including perceptive, acoustic and aerodynamic parameters		

Laryngeal electromyography (EMG)		
Functional endoscopic evaluation of swallowing (FEES)		
High-resolution impedance manometry and pH monitoring		
Pulmonary function tests/spirometry		
Continuous laryngeal endoscopy during exercise test (CLE)		
IMAGING		Signature trainer when competency achieved
Ultrasound of the neck incl. FNAC/core cut biopsy		
CT / MRI / PET-CT / PET-MRI		
Modified barium swallow/videofluoroscopy		
5: MANAGEMENT		
		Signature trainer when competency achieved
NON-INTERVENTIONAL MANAGEMENT		
Principles of life-style management (intoxications, reflux prevention, obesity management)		
Appropriate administration of pharmacologic management		
<ul style="list-style-type: none">• Steroids (oral, inhaled, injected)		
<ul style="list-style-type: none">• HPV management: vaccination, Avastin/Cidofovir local or systemic		
<ul style="list-style-type: none">• Reflux management: alginates, PPI		
<ul style="list-style-type: none">• Antibiotics		
<ul style="list-style-type: none">• Nebulizing		
Knowledge of principles and indications for speech and language therapy such as		
<ul style="list-style-type: none">• Rehabilitation and compensatory techniques		
<ul style="list-style-type: none">• Biofeedback		
<ul style="list-style-type: none">• Manual and visualization therapy		
INTERVENTIONAL MANAGMENT		Signature trainer when competency achieved
Office bases procedures		
<ul style="list-style-type: none">• Office biopsies + phono surgery		
<ul style="list-style-type: none">• Injection procedures and approaches: augmenting techniques, botulinum toxin drug injections, steroid injections		
<ul style="list-style-type: none">• Balloon dilatations		

<ul style="list-style-type: none"> • Laser procedures • Speech valve and cannula management 		
ENDOSCOPIC PROCEDURES		
VOICE		Signature trainer when competency achieved
Microphonosurgical procedures +/- laser/powered instrument assistance, +/- biopsy, +/- injections for:		
<ul style="list-style-type: none"> • Benign epithelial lesions (granuloma, papilloma, hyperkeratosis) • Lesions of Reinke's space (polyps, nodules, oedema, cysts) • Vocal fold scar (sulcus, vergeture, fibrosis) • Vascular lesions (telangiectasias) • Benign neoplasms (amyloidosis, GPA, sarcoid) • Dystonia (AdSD, tremor) • Gender-affirming surgery 		
Injection medialization/augmentation techniques for:		
<ul style="list-style-type: none"> • glottic insufficiency (paresis, paralysis, atrophy, scar) 		
SWALLOWING		Signature trainer when competency achieved
Endoscopic laser and/or stapler assisted procedures for		
<ul style="list-style-type: none"> • structural lesions: e.g. Zenker's diverticula, cricopharyngeal bar, laryngocele 		
Dilatation/injection techniques for		
<ul style="list-style-type: none"> • stenosis: e.g. pharyngeal stenosis • cricopharyngeal dysfunction 		
Rigid and flexible pharyngo-esophagoscopy for foreign body		
Supraglottoplasty		
AIRWAY		Signature trainer when competency achieved
Flexible and rigid (emergency) tracheoscopy/bronchoscopy + dilation/debulking/tumor excision/stenting		
<ul style="list-style-type: none"> • diagnostic 		

<ul style="list-style-type: none"> obstruction (foreign body, oedema, tumor, stenosis) 		
Microalaryngeal resection +/- laser assistance, +/- biopsy or injections, +/- dilation, +/- stenting, +/- flap techniques +/- lateralization +/- endoscopic reconstruction techniques for:		
<ul style="list-style-type: none"> stenosis e.g. supraglottic, anterior glottic, posterior glottic, subglottic, tracheal 		
<ul style="list-style-type: none"> bilateral vocal fold immobility 		
<ul style="list-style-type: none"> laryngomalacia 		
<ul style="list-style-type: none"> laryngeal clefts 		
CANCER		Signature trainer when competency achieved
Partial endoscopic glottic and supraglottic resection such as ELS defined cordectomies/supraglottic resections (TOLMS, powered instrumentation, TORS, TOUSS) of primary and recurrent laryngeal malignant lesions		
<ul style="list-style-type: none"> dysplasia, squamous cell, chondrosarcoma, other 		
EXTERNAL PROCEDURES		Signature trainer when competency achieved
VOICE		
Laryngeal framework procedures/ thyroplasty techniques (medialization, relaxation, enlargement, CT approximation, arytenoid adduction)		
<ul style="list-style-type: none"> Paresis, paralysis, atrophy, scar 		
Non-selective reinnervation techniques for		
<ul style="list-style-type: none"> Unilateral vocal fold paralysis 		
<ul style="list-style-type: none"> Gender-affirming surgery 		
SWALLOWING		Signature trainer when competency achieved
External extirpation/myotomy/diverticulectomy for		
<ul style="list-style-type: none"> Structural lesions: e.g. Zenker's diverticula, cricopharyngeal bar, laryngocele 		
AIRWAY		Signature trainer when competency achieved
Emergency procedures (coniotomy, tracheotomy) for		
<ul style="list-style-type: none"> Obstruction (foreign body, oedema, tumor) 		

Cricotracheal/tracheal resection +/- stenting +/- laryngotracheal reconstruction for		
<ul style="list-style-type: none"> Stenosis (supraglottic, anterior glottic, posterior glottic, subglottic, upper tracheal) 		
Selective reinnervation for		
<ul style="list-style-type: none"> Bilateral vocal fold paralysis 		
CANCER		Signature trainer when competency achieved
Partial and total laryngectomy +/- pharyngectomy procedures such as endoscopic partial glottic and supraglottic resections (such as ELS defined OPHL procedures) for		
<ul style="list-style-type: none"> laryngopharyngeal cancer (squamous cell, chondrosarcoma, other) 		
Neck dissection for neck metastasis		
Primary and flap reconstruction techniques		