

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

LOGBOOK OTO-RHINO-LARYNGOLOGY-HEAD AND NECK SURGERY
(revision 2018)

TRAINING PROGRAMME

INTRODUCTION

The UEMS ORL Section and Board of Otorhinolaryngology-Head and Neck Surgery has revised the European training programme for the Specialty in 2018. 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 competency based assessments.

DEFINITION

Otorhinolaryngology-Head and Neck Surgery (ORL-HNS) is the specialty which deals with functions and diseases, trauma, malformations and other disorders in childhood and in adults; of the ear, temporal bone and lateral skull base, nose, paranasal sinuses, anterior skull base and orbit, oral cavity, lips, pharynx, larynx, trachea, oesophagus, head, neck, thyroid, salivary and lacrimal glands and adjacent structures and skin. 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, voice and swallowing disorders. It also includes the study of related genetic disorders. Some of the conditions diagnosed by Otorhinolaryngologists but located in adjoining areas, will be further managed in close cooperation with these related specialists.

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 and symptomatology and treatment of diseases of the ear, temporal bone and lateral skull base, nose, paranasal sinuses and anterior skull base, oral cavity, pharynx, larynx, trachea, oesophagus, head, neck, thyroid, salivary and lacrimal glands and adjacent structures. Special attention should also be given to the theoretical foundation of audiology, phoniatrics, vestibular disease, allergy, immunology, oncology and the basic principles of plastic and reconstructive surgery.
2. Trainees should have access to facilities for temporal bone, paranasal sinus and head and neck dissection. They should be able to familiarize themselves with the basic techniques of surgery on the ear and lateral skull base, nose, paranasal sinuses and anterior skull base, oral cavity, pharynx, larynx, trachea, oesophagus, head, neck, thyroid, salivary and lacrimal glands and adjacent structures, with either real or virtual surgical and endoscopic techniques.
3. A graded increase in clinical responsibilities and surgical experience will be developed and should be recorded in the log book.
4. A list of diagnostic procedures, non-surgical management and surgical management is outlined in the new UEMS ORL Section and Board logbook.
5. 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.
6. The Log Book will be used in relation to European training exchange programmes and will provide an introduction into advanced skills of the Specialty.
7. Subspecialty logbooks are available for advanced trainees.

ASSESSMENT AND EXAMINATION

1. Examination of the theoretical and practical knowledge of the trainee may be included in the European Training Programmes. Trainees should 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 ORL-Specialist.
3. Each trainee must be familiar with all diagnostic and therapeutic (surgical and non-surgical) management associated with the discipline of Otorhinolaryngology and Head and Neck Surgery.
4. The trainer will be responsible for confirming the competence of the trainee for the procedures and management outlined in the log-book in the columns headed "general". He/she will sign on the date when competency is achieved in the final column 6.
5. The contents of the log book will be continuously updated by the European 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.

CONTENT OF THE LOGBOOK

The log book is divided into the following sections.

- I Basic objectives.
- II Otology and Neurotology
- III Nose and Paranasal sinuses
- IV Laryngology Head & Neck with Phoniatics
- V Facial Plastics and Aesthetic surgery
- VI Paediatric Otolaryngology

- A Diagnostic procedures
- B Non-surgical/Medical management
- C Surgical management

The trainee must have knowledge and understanding both the diagnostic, non-surgical and surgical management.

In the log-book general and advanced procedures are both listed:

General procedures:

Under this heading are listed all procedures which every ORL-HNS trainee must be competent in by the end of the training period, so as to guarantee a medical service which fulfils the recommendation of the UEMS Section and Board, to achieve and maintain the highest standards.

Advanced procedures:

Under this heading are listed the skills and operative managements which have to be provided by University centres or specialized departments. The trainee is not expected to be able to perform these procedures/managements during the European Training programme. However, all trainees should have seen and been familiar with these procedures.

The procedures are divided in three categories:

- (S) Trainee requires supervision/assistance by the trainer whilst he/she performs the procedure/management
- (I) Trainee performs the procedure/management independently/alone with the trainer available.
- (A) Trainee has seen/has been familiar with some advanced procedures

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

CHARTERS ON TRAINING AND VISITATION

Trainees are advised to familiarize themselves with the UEMS Charter on Training of Medical Specialists www.uems.eu The UEMS ORL Section and Board amended this Charter in June 2001 in relation to the requirements for the Specialty of ORL-HNS. The amended document can be found on the Section Website www.orluems.com.

The website also includes UEMS Charters on:

1. Continuing medical education
2. Quality assurance
3. Visitation of training centres.

The information for the Log Book may also be collected electronically.

TRAINING CENTRE ROTATION

Trainee: _____
Name Surname Birthdate

| Dates of start and finish of training period | Training Centre | Name of Trainer | Signature of Trainer |
|--|-----------------|-----------------|----------------------|
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Additional copies can be made of this page if required

UEMS TRAINING LOGBOOK OF OTO-RHINO-LARYNGOLOGY – HEAD AND NECK SURGERY COMPLETION OF TRAINING

Trainee: _____
Name Surname Birthdate

Date of commencement of training: _____

Date of completion of training: _____

| | |
|---------------------------|--|
| Lead Training Center | |
| 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 certify 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: _____

I. BASIC OBJECTIVES

| Knowledge of fundamentals in | Signature trainer when competency achieved |
|--|--|
| emergency medicine and resuscitation | |
| infection control | |
| antimicrobial therapy | |
| transfusions medicine/blood grouping/cross-matching etc. | |
| haemostasis | |
| oncology | |
| wound healing | |
| general surgical techniques | |
| basics in plastic and reconstructive surgery | |
| transplantation medicine | |
| soft tissue and bone traumatology | |
| immunology | |
| endocrinology | |
| oral and parenteral nutrition | |
| basic psychosomatic investigation/management | |
| radiation protection | |
| medical quality control | |
| ethical principles/consent for operation | |
| social welfare legislation | |
| basic nutritional medicine | |
| basic laboratory procedures | |
| basic laboratory investigations, | |
| correct taking and handling of samples and interpretation of the results | |
| normal blood values | |
| bacteriology/mycology | |

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| principal detection of fungi (cell culture) | |
| antimicrobial medication | |
| analysis of tumour-markers | |
| allergology laboratory investigations | |

II. OTOLOGY/NEUROTOLOGY

| Diseases/Disorders of the ear | | Signature trainer when competency achieved |
|---|--|--|
| Auricle | | |
| Congenital malformations | | |
| Infections | | |
| Inflammatory | | |
| Benign & malignant tumours | | |
| Traumatic injuries | | |
| Ear Canal | | |
| Congenital malformations | | |
| Infections | | |
| Inflammatory | | |
| Benign & malignant tumours | | |
| Exostoses | | |
| Necrotizing otitis externa | | |
| Keratitis obturans/external canal cholesteatoma | | |
| Traumatic injuries | | |
| Ear Drum and Middle Ear | | |
| Congenital malformations | | |
| Acute & chronic otitis media | | |
| Benign & malignant tumours | | |
| Traumatic injuries | | |
| Barotrauma | | |
| Eustachian tube dysfunction | | |

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| Conductive hearing loss in adults & children (congenital & acquired) | | |
| Inner Ear and Lateral Skull Base | | |
| Congenital malformations | | |
| Sensorineural hearing loss in adults & children (congenital & acquired) | | |
| Peripheral and central vestibular disorders | | |
| Non-vestibular balance disorders | | |
| Causes of tinnitus (including pulsatile tinnitus) & hyperacusis | | |
| Benign & malignant tumours | | |
| Infective disorders | | |
| Traumatic injuries | | |
| History | | |
| | | Signature trainer when competency achieved |
| Specific | | |
| Hearing loss | | |
| Tinnitus (including pulsatile tinnitus) | | |
| Vertigo / Imbalance / Dysequilibrium | | |
| Hyperacusis | | |
| Otalgia (including referred otalgia) | | |
| Otorrhoea | | |
| Autophony | | |
| Tullio phenomenon | | |
| Facial paresis | | |
| General | | |
| Family history of hearing or balance disorders | | |
| Past history of ear infections | | |
| Past history of otological surgery | | |
| Head trauma | | |
| Noise exposure | | |
| Ototoxic usage / exposure | | |
| Barotrauma | | |

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| Migraine | | |
| Perinatal history | | |
| History of meningitis | | |
| TORCH infection | | |
| A. Patient assessment and Diagnostic Procedures | | |
| a) Clinical Examination | | |
| | | Signature trainer when competency achieved |
| 1. Otoscopy | | |
| 2. Microscopy | | |
| 3. Oto-endoscopy | | |
| b) Hearing Function | | |
| | | Signature trainer when competency achieved |
| 4. Tuning fork tests | | |
| 5. Clinical hearing tests | | |
| c) Vestibular function | | |
| | | Signature trainer when competency achieved |
| 6. Nystagmus | | |
| 7. Head Impulse test (Halmagyi test) | | |
| 8. Fistula test | | |
| 9. Dix Hallpike test | | |
| 10. Heel toe test (tandem gait test) | | |
| 11. Unterbergers test | | |
| d) Neurological function | | |
| | | Signature trainer when competency achieved |
| 12. Cranial nerve examination including facial nerve | | |
| 13. Cerebellar examination | | |
| 14. Rombergs Test | | |
| e) Others | | |
| | | Signature trainer when competency achieved |
| 15. Auscultation (for bruits) | | |
| B. Diagnostic Work-up | | |

| a) Hearing Function Tests | | |
|---|--|---|
| | | Signature trainer when competency achieved |
| 1. Impedance audiometry | | |
| 2. Pure tone audiometry | | |
| 3. Speech audiometry | | |
| 4. Objective hearing tests | | |
| 4a. Oto-acoustic emissions (OAEs) | | |
| 4b. Evoked response audiometry (BSER, CERA, ASSR) | | |
| 5. Paediatric audiology | | |
| 5a. Screening methods | | |
| 5b. Subjective methods | | |
| 5c. Objective methods | | |
| b) Vestibular Function Tests | | |
| | | Signature trainer when competency achieved |
| 6. Caloric testing | | |
| 7. Video / Electronystagmography | | |
| 8. VEMPs | | |
| 9. Posturography (Balance platform) | | |
| 10. Rotating chair test | | |
| c) Facial Nerve Function Tests | | |
| | | Signature trainer when competency achieved |
| 11. Topodiagnostic testing | | |
| 11a. Schirmers test | | |
| 11b. Stapedial reflexes | | |
| 12. Neurophysiological testing | | |
| 12a. Electromyography (EMG) | | |
| 12b. Electroneurography (EnoG) | | |
| 12c. Maximal stimulation test (MST) | | |
| d) Imaging | | |
| | | Signature trainer when competency achieved |
| 13. Plain X-ray | | |

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| 14. Computerized tomography (to include cone beam CT scanning of the temporal bones) | | | | |
| 15. Magnetic resonance imaging | | | | |
| 16. Angiography | | | | |
| 16a. CT Angiography | | | | |
| 16b. MR Angiography | | | | |
| 16c. Cerebral Angiography | | | | |
| 17. Positron Emission Tomography | | | | |
| 18. Radionuclide scanning eg technetium, gallium scanning | | | | |
| e) Laboratory Tests | | | | |
| | | Signature trainer when competency achieved | | |
| 19. Relevant blood tests | | | | |
| 20. Cytology | | | | |
| 21. Histology | | | | |
| 22. Microbiology | | | | |
| | | | | |
| C. Non-Surgical Management | | | | |
| | | Signature trainer when competency achieved | | |
| 1. Pharmacological treatment | | | | |
| 2. Physical rehabilitation | | | | |
| 3. Ear infections | | | | |
| 4. Sensorineural hearing loss in adults and children (including screening) | | | | |
| 5. Conductive hearing loss in adults and children | | | | |
| 6. Hearing aid rehabilitation | | | | |
| 7. Tinnitus | | | | |
| 8. Vertigo and dysequilibrium | | | | |
| 9. Facial nerve paresis | | | | |
| 10. Peri-operative management of patients undergoing otological surgery | | | | |
| 11. Stereostactic radiosurgery | | | | |
| D. Surgical Management | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 12. Temporal bone dissection (laboratory) | | X | | |

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| 13. Management of oto-haematoma | | X | | |
| 14. Excision of lesions of the auricle | | X | | |
| 15. Wax removal | | X | | |
| 16. Foreign body removal | | X | | |
| 17. Removal of external auditory canal lesions | | X | | |
| 18. Meatoplasty (Soft tissue & bony) | X | | | |
| 19. Removal of osteomas/exostoses | X | | | |
| 20. Myringotomy | | X | | |
| 21. Ventilation tube insertion | | X | | |
| 22. Myringoplasty (Type1 Tympanoplasty) | | X | | |
| 23. Tympanotomy | | X | | |
| 24. Mastoidectomy | | | | |
| 24a. Cortical | X | | | |
| 24b. Modified radical / radical (Back to front approach) | X | | | |
| 24c. Atticotomy / Attico-antrostomy (Front to back approach) | X | | | |
| 24d. Combined approach tympanoplasty | X | | | |
| 24e. Mastoid obliteration | X | | | |
| 25. Bone anchored hearing aids | X | | | |
| 26. Ossiculoplasty | X | | | |
| 27. Implantation of prostheses | | | | |
| 27a. Middle ear prosthesis (ossicular prosthesis/implantable hearing aids) | | | X | |
| 27b. Cochlear implants | | | X | |
| 28. Stapes Surgery | | | X | |
| 29. Facial nerve surgery | | | | |
| 29a. Decompression | | | X | |
| 29b. Grafting. Anastomosis surgery | | | X | |
| 30. Endolymphatic sac decompression | | | X | |
| 31. Vestibular schwannoma surgery | | | | |
| 31a. Translabyrinthine approach | | | X | |
| 31b. Retrosigmoid approach | | | X | |
| 31c. Middle cranial fossa approach | | | X | |
| 32. Vestibular neurectomy | | | X | |

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|---|---|---|---|--|
| 33. Glomus tumour surgery | | | X | |
| 34. Petrosectomy | | | X | |
| 35. Correction of malformations | | | | |
| 35a. Auricle | | | X | |
| 35b. Peri-auricular fistulas | | | X | |
| 35c. External auditory canal | | | X | |
| 35d. Middle ear | | | X | |
| 36. Repair of injuries | | | | |
| 36a. Auricle | | X | | |
| 36b. External auditory canal | | | X | |
| 36c. Middle and inner ear including nerves, vessels and middle cranial fossa / posterior cranial fossa dura | | | X | |
| 37. Surgery of tumours | | | | |
| 37a. Auricle | X | | | |
| 37b. External auditory canal | | | X | |
| 37c. Middle and inner ear including nerves, vessels and middle cranial fossa / posterior cranial fossa dura and temporal bone resection | | | X | |
| 38. Revision ear surgery | | | X | |
| E. Postoperative complications | | | | |
| | Signature trainer when competency achieved | | | |
| Complications of general and local anaesthesia | | | | |
| Bleeding / haematoma | | | | |
| Infection | | | | |
| Conductive hearing los | | | | |
| Sensorineural hearing los | | | | |
| Vertigo / imbalance | | | | |
| Tinnitus | | | | |
| Hyperacusis | | | | |
| Facial nerve paresis | | | | |
| Taste disturbance | | | | |
| Numbness of the auricle | | | | |
| CSF leakage | | | | |

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| Intracranial infection | | |
| Lower cranial neuropathy | | |

III. NOSE AND PARANASAL SINUSES

Diseases/Disorders

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| | Signature trainer when competency achieved |
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Nose

| | | |
|---|--|--|
| congenital malformations of nose, mid-face (cleft lip, palate), including genetic anomalies | | |
| infections of nose | | |
| Neoplastic conditions:benign and malignant | | |
| nasal and facial trauma | | |
| Epistaxis | | |
| inflammatory and allergic conditions (rhino-allergology) | | |

Paranasal Sinuses

| | | |
|--|--|--|
| congenital malformations | | |
| rhinosinusitis: atopic, non-atopic, bacterial, fungal, allergic fungal etc | | |
| Inflammatory and granulomatous systemic conditions including sarcoid, tuberculosis etc | | |
| neoplastic conditions: benign and malignant | | |
| Barotrauma | | |

A. Patient assessment and Diagnostic Procedures

a) History and Clinical Examination

| | | |
|---|--|---|
| | | Signature trainer when competency achieved |
| 1. Assessment of nasal symptoms | | |
| Specific History: nasal obstruction, rhinorrhoea, anosmia, hyposmia, facial pain, epistaxis | | |
| 2. Anterior and posterior rhinoscopy | | |
| 3. Nasal endoscopy | | |
| 4. visual documentation (example: photography, videoendoscopy) | | |

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|--|----------|---|----------|---|
| 5. Ethnic variation, proportions of face, effects of aging | | | | |
| b) Tests of Function | | | | |
| | | Signature trainer when competency achieved | | |
| 6. Rhinomanometry | | | | |
| 7. Acoustic rhinomanometry | | | | |
| 8. Olfactory tests (subjective and objective) | | | | |
| 9. Ciliary function tests | | | | |
| c) Tests of Imaging | | | | |
| | | Signature trainer when competency achieved | | |
| 10. Conventional X-ray | | | | |
| 11. CT scan | | | | |
| 12. Cone beam CT | | | | |
| 13. MRI scan | | | | |
| 14. Isotope scan | | | | |
| 15. Angiography | | | | |
| 16. Understanding the use of navigation devices | | | | |
| d) Allergy Investigations | | | | |
| 17. Understanding and performing clinical tests for atopy (such as skin prick tests, RAST, nasal provocation tests, etc) | | | | |
| B. Non-Surgical Management | | | | |
| | | Signature trainer when competency achieved | | |
| 18. pharmacological therapy | | | | |
| 19. specific immunotherapy (hyposensitisation), sublingual immunotherapy | | | | |
| 20. management of anaphylaxis | | | | |
| C. Surgical Management | | | | |
| Nose | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 21. local and regional anaesthesia | | X | | |
| 22. Management of epistaxis | | | | |
| 22a. nasal packing | | X | | |
| 22b. nasal cautery and other endoscopic management | | X | | |
| 22c. Medical disease and epistaxis | | X | | |

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|---|--|----------|----------|--|
| 23. Foreign body removal | | X | | |
| 24. Nasal Polypectomy | | X | | |
| 25. Turbinate procedures (including coblation, radiofrequency etc) | | X | | |
| 26. Septal surgery | | X | | |
| 27. Revision septoplasty | | | X | |
| 28. Septorhinoplasty (open and closed, reduction, augmentation, grafting techniques, cleft lip septorhinoplasty) | | | | X |
| 29. Rhinophyma operation | | | X | |
| 30. Correction of congenital malformations (choanal atresia, fistulas, dermoids etc) | | | X | |
| Paranasal Sinuses | | | | |
| | | S | I | A Signature trainer when competency achieved |
| 31. Sinus endoscopy | | X | | |
| 32. Antral lavage | | X | | |
| 33. Endoscopic antrostomy and sinus endoscopy | | X | | |
| 34. Radical antrostomy | | | X | |
| 35. Frontal sinus trephination | | | X | |
| 36. External frontal sinus surgery | | | X | |
| 37. External ethmoidectomy | | | X | |
| 38. Endoscopic Sinus Surgery and its possible acute complications | | | | |
| 38a) anterior ethmoidectomy | | X | | |
| 38b) posterior ethmoidectomy | | X | | |
| 38c) frontal recess procedures | | | X | |
| 38d) sphenoid sinus procedures | | | X | |
| 39. Surgery of floor of maxillary sinus | | | X | |
| 40. Ligation of maxillary, ethmoidal or sphenopalatine artery including endoscopic | | | X | |
| 41. Orbital decompression procedures | | | X | |
| 42. Endoscopic dacry-cysto-rhinostomy | | | X | |
| 43. Management of CSF leak | | | X | |
| 43. Tumour Surgery | | | | |
| 43a) maxillectomy (partial, total) | | | X | |
| 43b) lateral rhinotomy | | | X | |
| 43c) midfacial degloving | | | X | |

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| 43d) combined approach to anterior skull base | | | X |
| 43e) orbitotomy | | | X |
| 43f) exenteration of orbit | | | X |
| 43g) surgery of anterior skull base (incl osteoplastic flap, duraplasty and endoscopic) | | | X |
| 44.Trauma | | | |
| 44a) soft tissue injuries | | X | |
| 44b) management of fractures of nasal bones/septum and septal haematoma under local or general anaesthesia | | X | |
| 44c) paranasal sinus fractures | X | | |
| 44d) fractures of orbit including blowout fractures | X | | |
| 44e) zygomatic fractures | | | X |
| 44f) optic nerve decompression | | | X |
| 44g) reconstruction of anterior skull base | | | X |

IV. LARYNGOLOGY, HEAD & NECK, PHONIATRICS

Diseases/Disorders of Head and Neck

Head and Neck Oncology

Oral Cavity

Pharynx

Larynx

Nose and Paranasal Sinuses

Neck and Unknown primary

Salivary glands

Thyroid gland

Skin

Benign diseases Head and Neck

Oral Cavity

Pharynx

Larynx

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| Sinonasal | | |
| Vascular malformations | | |
| Trauma | | |
| 1. LARYNGOLOGY/HEAD AND NECK ONCOLOGY | | |
| Basic knowledge | | |
| | | Signature trainer when competency achieved |
| 1. Carcinogenesis, molecular biology and immunobiology in H&N oncology | | |
| 2. Epidemiology and biostatistics of cancer management | | |
| 3. TNM staging | | |
| 4. Basics of cancer management | | |
| 4a. Indications and limitations of surgery | | |
| 4b. Biophysics of radiotherapy - indications and side effects | | |
| 4c. Chemotherapy agents - indications and side effects | | |
| 4d. Biologic/Immuno therapy - indications and side effects | | |
| 5. Clinical trials in H&N oncology | | |
| 6. Prevention in H&N oncology | | |
| 7. Clinical databases in H&N oncology | | |
| General history | | |
| | | Signature trainer when competency achieved |
| Age, gender | | |
| First symptoms | | |
| Weight loss | | |
| Smoking tobacco, chewing tobacco, betel quid | | |
| Alcohol consumption | | |
| Viral infections | | |
| Ethnicity | | |
| History of previous tumours | | |
| Previous head and neck irradiation | | |
| Family history (oncology perspective) | | |
| Occupation | | |
| Co-morbidities | | |

| | | |
|---|--|---|
| Performance data | | |
| Quality of life | | |
| | | |
| Clinical examination | | |
| | | Signature trainer when competency achieved |
| General ENT examination including videolaryngoscopy | | |
| Palpation of the primary lesion | | |
| Palpation of the neck | | |
| Assesment of cranial nerves and swallowing | | |
| Additional examination and imaging | | |
| | | Signature trainer when competency achieved |
| Biopsy of primary | | |
| Knowledge of Ultrasound of the neck +/- cytological diagnosis | | |
| Panendoscopy | | |
| Knowledge of CT / MRI | | |
| Knowledge of PET-CT / PET-MRI | | |
| Knowledge of Assesment Chest (x ray / CT) | | |
| Knowledge of Additional assesments (audiogram, CT, US, OPG....) | | |
| Knowledge about Treatment and Treatment modalities | | |
| | | Signature trainer when competency achieved |
| Multidisciplinary management of cancer patients | | |
| Treatment planning – single versus multimodal Treatment | | |
| Principles and safety of lasers in H&N management | | |
| Reconstruction options for H&N defects | | |
| Flap physiology and wound healing | | |
| Single or mutiple non-surgical therapies: | | |
| a. Radiotherapy | | |
| b. Chemotherapy | | |
| c. Immunological therapy | | |
| d. Combination of the above with surgery | | |
| Curative versus palliative therapy | | |
| Surgery | | |

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|---|---|---|---|---|
| a. Primary surgery | | | | |
| b. Salvage surgery | | | | |
| c. Palliative surgery | | | | |
| Knowledge about peri-operative support including nutrition and infection prevention | | | | |
| Functional rehabilitation | | | | |
| Best supportive (palliative) care | | | | |
| Knowledge of Side effects and complications of Treatment | | | | |
| | | Signature trainer when competency achieved | | |
| Management of side effects, toxicity, and infections | | | | |
| Management of surgical complications (haematoma, bleeding, chyle leakage, infection, trismus, salivary fistula....) | | | | |
| Management of non-surgical complications (voice, swallowing, prosthesis, cosmetics....) | | | | |
| Management of side effects airway obstruction and airway management | | | | |
| Oro- / pharyngo- cutaneous fistula | | | | |
| Speech and swallowing impairment | | | | |
| Mucositis, dermatitis | | | | |
| Osteoradionecrosis | | | | |
| Hypothyroidism | | | | |
| 1.A ORAL CAVITY | | | | |
| Additional history | | | | |
| | | Signature trainer when competency achieved | | |
| Articulation | | | | |
| Swallowing | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 1. Local surgery (incl. laser) | | X | | |
| 2. Open neck surgery – pull through procedure | | | X | |
| 3. Marginal mandibulectomy | | | X | |
| 4. Segmental mandibulectomy | | | X | |
| Neck nodes (see paragraph neck) | | | | |
| | | | | |

1.B PHARYNX

Nasopharynx

Additional history

| | | | | |
|---|--|--|--|---|
| | | | | Signature trainer when competency achieved |
| Unilateral middle ear effusion in the adult | | | | |
| Nasal blockage | | | | |
| Neck mass | | | | |
| Nose bleeding | | | | |
| Cranial nerve involvement | | | | |
| Patients origin and ethnicity | | | | |

Surgical Treatment

| | | | | |
|---------------------------------|---|---|---|---|
| | S | I | A | Signature trainer when competency achieved |
| 5. Local surgery | | X | | |
| 6. Maxillary swing | | | X | |
| Neck nodes (see paragraph neck) | | | | |

Oropharynx

Additional history

| | | | | |
|---------------|--|--|--|---|
| | | | | Signature trainer when competency achieved |
| Pain, otalgia | | | | |
| Articulation | | | | |
| Swallowing | | | | |
| Snoring | | | | |
| HPV infection | | | | |

Surgical Treatment

| | | | | |
|--|---|---|---|---|
| | S | I | A | Signature trainer when competency achieved |
| 7. Tonsillectomy | | X | | |
| 8. Transoral surgery (robotic surgery, toes) | X | | | |
| 9. Pharyngotomy | | | X | |
| 10. Mandibulotomy (mandibular split, mandibular swing) | | | X | |
| 11. Neck nodes (see paragraph neck) | | | | |

| Hypopharynx | | | | |
|--|---|---|---|---|
| Additional history | | | | |
| | | | | Signature trainer when competency achieved |
| Swallowing | | | | |
| Otalgia | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 12. Endoscopic surgery (TORS, TOUSS, laser-surgery...) | X | | | |
| 13. Pharyngectomy with/ without laryngectomy | | | X | |
| 14. Partial pharyngectomy with near total laryngectomy | | | X | |
| 15. Partial pharyngectomy with total laryngectomy | | | X | |
| 16. Total pharyngectomy with total laryngectomy | | | X | |
| 17. Total pharyngo-laryngo-esophagectomy with reconstruction(to plastic surgery) | | | X | |
| Neck nodes (see paragraph neck) | | | | |
| 1.C LARYNX | | | | |
| Additional history | | | | |
| | | | | Signature trainer when competency achieved |
| Pain, otalgia | | | | |
| Dysphonia | | | | |
| Swallowing | | | | |
| Dyspnoea | | | | |
| Neck mass | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 18. Endoscopic surgery | X | | | |
| 19. Partial or total laryngectomy | | | X | |
| 20. Primary or secondary placement of vocal prosthesis | | X | | |
| 21. Maintenance and change of speech prosthesis | | X | | |
| Neck nodes (see paragraph neck) | | | | |
| 1.D NOSE AND PARANASAL SINUSES | | | | |

| Additional history | | | |
|---------------------------|--|--|---|
| | | | Signature trainer when competency achieved |
| Repeated rhino-sinusitis | | | |
| Obstruction | | | |
| Epistaxis | | | |
| Rhinorrhea | | | |
| Facial pain | | | |
| Cranial nerve involvement | | | |

| Surgical Treatment | | | | |
|--|---|---|---|---|
| | S | I | A | Signature trainer when competency achieved |
| 22. Endonasal surgical procedures (including navigation systems) | X | | | |
| 23. Maxillectomy (partial, total) | | | X | |
| 24. Lateral rhinotomy | | | X | |
| 25. Midfacial degloving | | | X | |
| 26. Orbitotomy and Exenteration of orbit | | | X | |
| 27. Surgery of anterior skull base (incl osteoplastic flap, duraplasty and endoscopic) | | | X | |
| Neck nodes (see paragraph neck) | | | | |

1.E NECK AND UNKNOWN PRIMARY

| Additional history | | | |
|---------------------------|--|--|---|
| | | | Signature trainer when competency achieved |
| Growth | | | |
| Pain | | | |

| Surgical Treatment | | | | |
|--|---|---|---|---|
| | S | I | A | Signature trainer when competency achieved |
| 28. Single node resection | | X | | |
| 29. Sentinel node procedures | X | | | |
| 30. Neck dissection procedures (local, selective, radical, conservative) | | | X | |

1.F SALIVARY GLANDS

| Additional history | | | |
|--------------------------------|--|--|---|
| | | | Signature trainer when competency achieved |
| Mass within the salivary gland | | | |

| | | | | |
|---|---|---|---|---|
| Persistent lesion consistent with an accessory salivary gland tumour | | | | |
| Facial nerve paresis | | | | |
| Pain | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 31. Submandibular gland surgery | X | | | |
| 32. Parotid (partial or total) surgery (Levels I to V according to the ESGS classification) | | | X | |
| 33. Reconstruction (local flaps, SCM and SMAS, Fat) | | | X | |
| Neck nodes (see paragraph neck) | | | | |
| 1.G THYROID GLAND | | | | |
| Additional history | | | | |
| | | | | Signature trainer when competency achieved |
| Family history of thyroid disease | | | | |
| Age <14 or >70, nodular goitre | | | | |
| Dysphonia | | | | |
| Symptoms of hypo- or hyperthyroidism | | | | |
| Previous radiation (iodine, external radiation) | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 34. Hemithyroidectomy | X | | | |
| 35. Total thyroidectomy | | | X | |
| 36. Parathyroidectomy | | | X | |
| Neck nodes (see paragraph neck) | | | | |
| 1.H SKIN | | | | |
| Additional history | | | | |
| | | | | Signature trainer when competency achieved |
| UV-light/ excessive sun exposure / history of sunburns | | | | |
| Fair skin | | | | |
| Moles | | | | |
| Precancerous lesion/ (resected) skin tumours in past | | | | |
| Surgical Treatment | | | | |

| | S | I | A | Signature trainer when competency achieved |
|--|---|---|---|--|
| 37. Sentinel node technique in Melanoma | X | | | |
| 38. Limited surgical excision (including local reconstruction) | X | | | |
| 39. Extended surgical excision | X | | | |
| 40. (Skin-) Reconstruction of the nose, lip and other structures | X | | | |
| 41. Parotidectomy | | | X | |
| Neck nodes (see paragraph neck) | | | | |

2. LARYNGOLOGY/BENIGN DISEASE HEAD AND NECK

2.A ORAL CAVITY

Knowledge

| | S | I | A | Signature trainer when competency achieved |
|--|---|---|---|--|
| Epithelial lesions (leukoplakia, erythroplakia, papiloma, lichen planus....) | | | | |
| Congenital malformations | | | | |
| Glossal diseases | | | | |
| Dental related diseases | | | | |
| Infectious diseases | | | | |
| Immunology diseases | | | | |
| Halitosis | | | | |

Surgical Treatment

| | S | I | A | Signature trainer when competency achieved |
|-----------------------------------|---|---|---|--|
| 42. Excision biopsy | | X | | |
| 43. Local surgery (incl. laser) | | X | | |
| 44. Rerouting salivary duct | X | | | |
| 45. Resection submandibular gland | X | | | |

2.B PHARYNX

Nasopharynx

Knowledge

| | S | I | A | Signature trainer when competency achieved |
|-----------------------|---|---|---|--|
| Adenoid | | | | |
| Thornwald cyst | | | | |
| Juvenile angiofibroma | | | | |

| Surgical Treatment | | | | |
|--|---|---|---|--|
| | S | I | A | Signature trainer when competency achieved |
| 46. Adenoidectomy | | X | | |
| 47. Endoscopic transnasal or transoral surgery (Thornwald cyst....) | | X | | |
| 48. Juvenile angiofibroma: endoscopic or open surgery (+/- embolisation) | | | X | |
| Oropharynx | | | | |
| Knowledge | | | | |
| | | | | Signature trainer when competency achieved |
| Epithelial lesions (leukoplakia, erythroplakia, papiloma, lichen planus....) | | | | |
| Congenital malformations (schisis, cyst....) | | | | |
| Infectious diseases | | | | |
| Halitosis | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 49. Tonsillectomy, tonsillotomy | | X | | |
| 50. Endoscopic surgery | | X | | |
| 51. Transoral surgery | X | | | |
| 52. Transoral robotic surgery | | | X | |
| 53. Open surgery | | | X | |
| Hypopharynx | | | | |
| Knowledge | | | | |
| | | | | Signature trainer when competency achieved |
| Globus | | | | |
| Dysphagia (See also chapter on Phoniatics) | | | | |
| Zenker's diverticulum | | | | |
| Cricopharyngeal pathologies | | | | |
| Foreign bodies | | | | |
| Congenital malformations | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 54. Dilatation procedures | | X | | |

| | | | |
|---|---|---|---|
| 55. Endoscopic Treatments of Zenker's diverticulum (stapler, laser) | X | | |
| 56. External surgery of Zenker's diverticulum | | | X |
| 57. Endoscopic myotomy of cricopharyngeal muscle | X | | |
| 58. External myotomy of cricopharyngeal muscle | | | X |
| 59. Foreign body removal | | X | |
| 60. Surgery of congenital anomalies | X | | |
| 61. Pharyngotomy | | | X |

2.C LARYNX

Knowledge

See also chapter on Phoniatics

Benign intraepithelial lesions

Granuloma, polyp, nodule, Reinke oedema, cyst

Laryngocele

Stenosis (congenital or acquired)

Vocal cord paralysis

Congenital malformations (larynomalacia, cleft, web)

Signature trainer when competency achieved

Surgical Treatment

Signature trainer when competency achieved

| | S | I | A | |
|--|---|---|---|--|
| 62. Endoscopic surgery (including laser) for benign intraepithelial lesions, granuloma, polyp, nodule, Reinke oedema, cyst | X | | | |
| 63. Augmentation procedures | X | | | |
| 64. Open surgery (laryngofissure, framework surgery) | | | X | |
| 65. Closure tracheostomy | | X | | |

2.D NOSE AND PARANASAL SINUSES

Knowlegde

Inverted Papilloma

Benign lesions and tumours (solid tumours, angiofibroma, fibrous dysplasia)

Foreign body

Congenital fistula

Ozena/Atrophic Rhinitis

Signature trainer when competency achieved

| | | | | |
|--|---|---|---|--|
| Olfactory and gustatory disorders | | | | |
| CSF leakage | | | | |
| Trauma | | | | |
| Nosebleed | | | | |
| Surgical Treatment | | | | |
| | | | | Signature trainer when competency achieved |
| See chapter on Rhinology | | | | |
| 2.E NECK | | | | |
| Knowledge | | | | |
| | | | | Signature trainer when competency achieved |
| Congenital neck masses (thyroglossal duct cyst, branchial anomalies, vascular malformations) | | | | |
| Benign tumours (paraganglioma, schwannoma, lipoma, hemangioma) | | | | |
| Infectious and inflammatory lymphadenopathies (tuberculosis, cat-scratch, actinomycosis, toxoplasmosis, HIV) | | | | |
| Deep neck infections: microbiology, diagnoses and Treatment | | | | |
| Neck trauma | | | | |
| a.Clinical presentation | | | | |
| b.Mechanisms of injury | | | | |
| c.Neck trauma zones | | | | |
| d.Mandatory vs. elective neck exploration | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 66. Diagnostic lymph node dissection | | X | | |
| 67. Removal of congenital cyst /fistula | | X | | |
| 68. Local tumour surgery | | X | | |
| 69. Sistrunk procedure | X | | | |
| 70. Removal laryngocele | X | | | |
| 71. Drainage deep neck abcess | | X | | |
| 72. Paraganglioma | | | X | |
| 2.F SALIVARY GLANDS | | | | |

| Knowledge | | | | |
|--|---|---|---|---|
| | | | | Signature trainer when competency achieved |
| ESGS classification of salivary ductal pathologies - LSD classification | | | | |
| ESGS classification of parotid surgery | | | | |
| Immunological disorders | | | | |
| Infections | | | | |
| Salivary stones | | | | |
| Benign neoplasms | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| | | | | |
| 73. Interventional sialendoscopy (stone related, dilatation, biopsy) | X | | | |
| 74. Combination / open procedures stone removal | X | | | |
| 75. Accessory salivary gland biopsy/ open biopsy salivary gland tumour | | X | | |
| 76. Procedures of salivary ducts | X | | | |
| 77. Submandibular surgery | | X | | |
| 78. Parotid partial or total surgery | X | | | |
| 79. Salivary gland wounds and ductal repair | X | | | |
| 2.G THYROID GLAND | | | | |
| Knowledge | | | | |
| | | | | Signature trainer when competency achieved |
| Goitre (normal or toxic thyroid function) | | | | |
| Thyroid nodule (single/multiple, benign atoxic, benign toxic, malignant) | | | | |
| Thyroiditis | | | | |
| Parathyroid functional disorders and neoplasms | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 80. Hemithyroidectomy | X | | | |
| 81. Total thyroidectomy | | | X | |
| 82. Parathyroidectomy | | | X | |

3. AIRWAY DISORDERS (larynx and trachea)

| History | | |
|--|--|---|
| | | Signature trainer when competency achieved |
| Dysphonia | | |
| Hoarsness | | |
| Swallowing problems | | |
| Neck pain | | |
| Infections/ neck diseases | | |
| Trauma | | |
| Clinical examination | | |
| | | Signature trainer when competency achieved |
| Palpation | | |
| Fiberoptic (video-) laryngoscopy | | |
| Transnasal fiberoptic (video-) tracheobronchoscopy | | |
| Tracheobronchoscopic cytology/ histopathology | | |
| Oesophagoscopy (rigid or fiberoptic) | | |
| Knowledge about additional diagnostics | | |
| | | Signature trainer when competency achieved |
| Chest x-ray | | |
| CT-scan / 3-D reconstruction | | |
| MRI | | |
| Lung function test | | |
| Blood gasses | | |
| Knowledge of Diseases | | |
| | | Signature trainer when competency achieved |
| Infectious diseases | | |
| Vocal cord palsy | | |
| Laryngocele | | |
| Inhalation trauma | | |
| Penetrating/ blunt trauma | | |

| | | | | |
|---|---|---|---|---|
| Posttraumatic stenosis | | | | |
| Foreign bodies | | | | |
| Congenital stenosis | | | | |
| Benign tumours (fibroma, haemangioma, pseudotumour) | | | | |
| Local tracheal compression (vascular diseases, mediastinal diseases/ tumours) | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 83. Removal of foreign bodies (rigid and /or flexible endoscopes) | | X | | |
| 84. Endotracheal intubation | | X | | |
| 85. Tracheostomy | | X | | |
| 86. Cricothyroidotomy | | X | | |
| 87. Local closure of trachea | X | | | |
| 88. Endoscopic laser and dilatation procedures | X | | | |
| 89. Open procedures (larynx and) trachea | | | X | |
| 90. Closure of tracheostoma | | X | | |
| Management of complications | | | | |
| | | | | Signature trainer when competency achieved |
| Stridor/ dyspnoea | | | | |
| Post-operative bleeding, infections | | | | |
| Dysphagia, hoarseness | | | | |
| 4. DIGESTIVE TRACT/OESOPHAGUS | | | | |
| History | | | | |
| See also chapter on Phoniatics | | | | Signature trainer when competency achieved |
| Swallowing problems | | | | |
| Regurgitation | | | | |
| Retrosternal pain | | | | |
| Weight loss | | | | |
| Coughing (nightly) | | | | |
| Reflux | | | | |
| Clinical examination | | | | |

| | | | | | |
|---|---|---|---|--|---|
| | | | | | Signature trainer when competency achieved |
| Palpation | | | | | |
| Flexible (transnasal) laryngo-pharyngoscopy/ oesophagoscopy | | | | | |
| Functional tests of swallowing disorders | | | | | |
| FEES | | | | | |
| Rigid oesophagoscopy | | | | | |
| Knowledge about additional diagnostics | | | | | |
| | | | | | Signature trainer when competency achieved |
| Swallow x-ray / video | | | | | |
| Swallow CT-scan | | | | | |
| Chest CT-scan | | | | | |
| MRI in selected cases | | | | | |
| Knowledge of Diseases | | | | | |
| | | | | | Signature trainer when competency achieved |
| Traumatic perforations (iatrogenic) | | | | | |
| Chemical trauma | | | | | |
| Foreign bodies | | | | | |
| Infections | | | | | |
| Achalasia, hiatal hernia, benign and malignant tumours | | | | | |
| Surgical Treatment | | | | | |
| | S | I | A | | Signature trainer when competency achieved |
| 91. Swallowing rehabilitation | | X | | | |
| 92. Removal of foreign bodies | | X | | | |
| 93. Endoscopic biopsy and tumour staging | | X | | | |
| 94. Repair of tracheoesophageal fistula | | | X | | |
| Manegement of Complications | | | | | |
| | | | | | Signature trainer when competency achieved |
| Infection, post-operative bleeding | | | | | |
| Perforation, mediastinitis | | | | | |
| Vocal cord palsy | | | | | |

5. SNORING AND OTHER SLEEP RELATED BREATHING DISORDERS (SRBD)

| History | | |
|--|--|---|
| | | Signature trainer when competency achieved |
| Non-restful sleep | | |
| Excessive daytime sleepiness | | |
| Loud snoring | | |
| Observed Apnea | | |
| Decreased cognitive functions, depression | | |
| Headaches | | |
| Clinical examination | | |
| | | Signature trainer when competency achieved |
| ENT basic examination including: transnasal flexible rhinolaryngoscopy (Müller manoeuvre), nasal obstruction, adenoids, tonsil hyperplasia, base of the tongue hyperplasia, maxillofacial malformations, pharyngeal and laryngeal obstructions | | |
| Obesity | | |
| Additional diagnostics | | |
| | | Signature trainer when competency achieved |
| Epworth sleepiness scale ESS/Friedmann Classification | | |
| Polysomnographic sleep study, AH-index | | |
| Pulmologist, cardiologist Consultation | | |
| Options: pupillometry, cephalometry, spirometry, blood test, drug induced sleep endoscopy (DISE), daytime sleep studies | | |
| Diseases | | |
| | | Signature trainer when competency achieved |
| Obstructive Snoring | | |
| Upper Airway Resistance Syndrome | | |
| Sleep Apnea Syndrome Obstructive, Central | | |
| Treatment | | |
| Surgical / Nonsurgical: according to the severity of the SRBD | | |
| Primary surgery | | |
| Positive airway pressure Treatment (PAP) | | |

| | | | |
|---|---|---|---|
| Reduction of body weight | | | |
| Non Surgical Treatment | | | |
| | | | Signature trainer when competency achieved |
| Drugs: Modafonil in cases of persisting daytime sleepiness symptoms after CPAP | | | |
| Oral appliances in mild to moderate OSA | | | |
| CPAP, APAP, Bi-level PAP, according to severity of OSA, positional and REM-stage related OSA, pressure demand | | | |
| Surgical Treatment | | | |
| | S | I | A |
| | | | Signature trainer when competency achieved |
| 95. Septoplasty, turbinoplasty, FESS, adenoidectomy, tonsillectomy/tonsillectomy, UPPP, UP2, palatal radiofrequency, radiofrequency of the base of the tongue, tracheostomy | | X | |
| 96. Multi level surgery, soft palate stiffening implants | | | X |
| 97. Hypoglossal nerve stimulation implants, hyoid suspension, maxillo-mandibular advancement (MMA) | | | X |
| Management of Complications | | | |
| | | | Signature trainer when competency achieved |
| Acute airway obstruction | | | |
| Dysphagia, Velopharyngeal Insufficiency (VPI) and retronasal reflux | | | |
| 6. VASCULAR MALFORMATIONS | | | |
| History | | | |
| | | | Signature trainer when competency achieved |
| Age of onset, Progression, Symptoms | | | |
| Function cranial nerves | | | |
| Other diseases/ syndromatic | | | |
| Family history | | | |
| Clinical examination | | | |
| | | | Signature trainer when competency achieved |
| ENT- examination | | | |
| Palpation | | | |

| | | | | |
|---|---|---|---|---|
| Cranial nerves | | | | |
| Knowledge about additional diagnostics | | | | |
| | | Signature trainer when competency achieved | | |
| Ultrasound | | | | |
| MRI | | | | |
| Pharyngoscopy | | | | |
| DNA analysis, Hormonal blood /urine test | | | | |
| Diseases according to Classification ISVA 2014 | | | | |
| | | Signature trainer when competency achieved | | |
| Vascular tumours: | | | | |
| Infantile hemangioma | | | | |
| Congenital hemangioma | | | | |
| Pyogenic granuloma | | | | |
| Others | | | | |
| Vascular malformations: | | | | |
| Venous malformation | | | | |
| Capillary malformation | | | | |
| Lymphatic malformation | | | | |
| Arteriovenous malformations | | | | |
| Combined malformations | | | | |
| Others | | | | |
| Non Surgical Treatment | | | | |
| | | Signature trainer when competency achieved | | |
| Intralesional | | | | |
| Propanolol | | | | |
| Low dose radiotherapy | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| 98. Local excision | | | X | |
| Management of Complications | | | | |

| | | |
|----------------------|--|---|
| | | Signature trainer when competency achieved |
| Bleeding | | |
| Airway obstruction | | |
| Abundant draining | | |
| Cranial nerve damage | | |

| | | |
|--|--|---|
| 7. PHONiatrics | | |
| 7.A DYSPHAGIA | | |
| Diseases/Disorders | | |
| | | Signature trainer when competency achieved |
| Benign Disorder | | |
| Oedema of tongue and/or larynx | | |
| Malignant disorder | | |
| Dysphagia after surgery for oral and oropharyngeal cancer | | |
| Dysphagia following hypopharyngeal and/or laryngeal resection | | |
| Dysphagia following radiotherapy of oropharyngeal cancer | | |
| Dysphagia following radiotherapy of hypopharyngeal and/or laryngeal cancer | | |
| Dysphagia following Infratemporal Fossa Approach Surgery | | |
| Other – Dysphagia caused by... | | |
| Apoplectic stroke | | |
| M. Parkinson | | |
| Myasthenia gravis | | |
| Lateral amyotrophic sclerosis | | |
| Dementia | | |
| DISH/M. Forrestier | | |
| Palsy of N. hypoglossus | | |
| History | | |
| | | Signature trainer when competency achieved |
| Specific | | |
| Disturbed swallowing for dry food, liquids | | |

| | | | |
|--|---|---|---|
| Coughing during food intake | | | |
| Voice changes during food intake | | | |
| Nasal regurgitation | | | |
| General | | | |
| Fever | | | |
| Past history of pneumonia | | | |
| Loss of body weight | | | |
| Clinical Examination | | | |
| | S | I | A |
| Signature trainer when competency achieved | | | |
| General | | | |
| Assessment of orofacial function | | X | |
| Assessment of tongue coordination and motion | | X | |
| Assessment of velar function | | X | |
| Function of the Cranial Nerves. VII, IX, X, XII | | X | |
| Assessment of oral bolus residue | | X | |
| Endoscopy | | | |
| FEES – Fiberoptic endoscopic evaluation of swallowing | | X | |
| Rigid Laryngoscopy (70°, 90°) | | X | |
| Oesophagoscopy | | X | |
| Oesophageal manometry | | | X |
| Ultrasonography | | | |
| Sonography of tongue during swallowing | | | X |
| Other | | | |
| Automatic digital swallowing recordings (acoustic or electric devices) | | | X |
| Auscultation (neck & lung) | | X | |
| Diagnostic work up | | | |
| | | | Signature trainer when competency achieved |
| Imaging | | | |
| Videofluoroscopy | | | |
| CT, MRI, PET, Scintigraphy | | | |
| Laboratory tests | | | |
| Blood tests | | | |

| | | | |
|--|---|---|---|
| Inflammation markers | | | |
| Cytology | | | |
| Medical Treatment | | | |
| | | | Signature trainer when competency achieved |
| Pharmacological treatment | | | |
| Artificial saliva | | | |
| Corticosteroids (cave: contraindications) | | | |
| Chemotherapy | | | |
| Radiotherapy | | | |
| Physical rehabilitation | | | |
| Logopedic therapy | | | |
| Physiotherapeutic therapy | | | |
| sEMG Biofeedback | | | |
| Additional therapy | | | |
| Definition of special nutrition | | | |
| Infusion or stomach tube nutrition | | | |
| Surgical Treatment | | | |
| | S | I | A |
| | | | Signature trainer when competency achieved |
| PEG | | X | |
| Dilatation of esophageal sphincter/esophagus | | X | |
| Complications | | | |
| | | | Signature trainer when competency achieved |
| Aspiration | | | |
| Pneumonia | | | |
| Cachexia | | | |
| 7.B DYSPHONIA | | | |
| Diseases/Disorders | | | |
| | | | Signature trainer when competency achieved |
| Non-organic dysphonia | | | |
| Hyperfunctional dysphonia | | | |
| Hypofunctional dysphonia | | | |

| | | |
|-----------------------------|-------|---|
| Mixed dysphonia | | |
| Psychogenic dysphonia | | |
| Psychogenic aphonia | | |
| Organic dysphonia | | |
| Laryngitis | | |
| Reinke's edema | | |
| Vocal chord polyp/cyst | | |
| Laryngeal papilloma | | |
| Laryngeal cancer | | |
| Larynx trauma | | |
| Other | | |
| Vocal palsy | | |
| Luxation of Arytenoid | | |
| Spasmodic dysphonia | | |
| Dysarthrophonia | | |
| Mutational voice disorder | | |
| Cervicogenic dysphonia | | |
| History | | |
| | | Signature trainer when competency achieved |
| Specific | | |
| Hoarseness | | |
| Vocal fatigue | | |
| Reduced voice dynamics | | |
| Throat=clearing | | |
| General | | |
| Stress | | |
| Reflux | | |
| Vertebral symptoms | | |
| Clinical Examination | | |
| | S A | Signature trainer when competency achieved |
| General | | |

| | | | | |
|---|---|---|---|--|
| Auditory/visual/palpatory examination | | X | | |
| Maximum phonation time | | X | | |
| Perceptual voice assessment by GRBAS/RBH | | X | | |
| Phonetography | | X | | |
| Mean fundamental frequency | | X | | |
| Endoscopy | | | | |
| Direct/indirect rigid laryngoscopy | | X | | |
| Laryngostroboscopy | | X | | |
| Flexible transnasal laryngoscopy | | X | | |
| High-speed recordings | | | X | |
| Diagnostic work up | | | | |
| | | | | Signature trainer when competency achieved |
| Imaging | | | | |
| CT, MRI of vocal tract/larynx | | | | |
| Electrophysiology | | | | |
| Electroglottography | | | | |
| Electromyography | | | | |
| Other | | | | |
| Gastroscopy/PH-analysis | | | | |
| Audiometry | | | | |
| Aerodynamic measurements | | | | |
| Medical Treatment | | | | |
| | | | | Signature trainer when competency achieved |
| Logopedic therapy | | | | |
| Corticosteroids (cave: contraindications) | | | | |
| Inhalation therapy | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| Botulinum toxin treatment | | X | | |
| Phonosurgery | | X | | |
| Laryngeal framework surgery | | | X | |
| Complications | | | | |

| | | | | |
|--|---|---|---|---|
| | | Signature trainer when competency achieved | | |
| Permanent Dysphonia/Aphonia | | | | |
| Dyspnoea | | | | |
| 7.C ACQUIRED LANGUAGE DISORDERS | | | | |
| Diseases / Acquired Speech & Language disorders | | | | |
| | | Signature trainer when competency achieved | | |
| Dysphasia | | | | |
| Dysarthria | | | | |
| Apraxia | | | | |
| Acquired Fluency Disorders | | | | |
| Dysglossia | | | | |
| History | | | | |
| | | Signature trainer when competency achieved | | |
| Specific | | | | |
| Unintelligible Speech | | | | |
| Total loss of verbal speech | | | | |
| Anosmia | | | | |
| General | | | | |
| Stroke | | | | |
| Trauma | | | | |
| Diplegia/Hemiplegia/Quadroplegia | | | | |
| Clinical Examination | | | | |
| | S | I | A | Signature trainer when competency achieved |
| General | | | | |
| Auditory/visual/palpatoary examination | | X | | |
| Assessment of tongue coordination and motion | | X | | |
| Assessment of velar function | | X | | |
| Function of the Nn. VII, IX, X, XII | | X | | |
| Perceptual evaluation of nasality | | X | | |
| Endoscopy | | | | |
| Fiberoptic endoscopic evaluation of velum function | | X | | |

| Ultrasonography | | | |
|--|--|---|---|
| Sonography of tongue during speech | | | X |
| Other | | | |
| Audiometry | | X | |
| Nasalance measurement | | | X |
| Diagnostic work up | | | |
| | | | Signature trainer when competency achieved |
| Imaging | | | |
| CT, MRI | | | |
| PET, Scintigraphy | | | |
| Laboratory tests | | | |
| Serology of neurotropic germs | | | |
| Neurologic assessment | | | |
| EMG, ENG, contemporary methods | | | |
| Medical Treatment | | | |
| | | | Signature trainer when competency achieved |
| Pharmacological treatment | | | |
| Radiotherapy | | | |
| Logopedic/Linguistic therapy | | | |
| Complications | | | |
| | | | Signature trainer when competency achieved |
| Permanent loss of communication competence | | | |
| 7.D DEVELOPMENTAL LANGUAGE DISORDERS | | | |
| Diseases / Developmental Language disorders | | | |
| | | | Signature trainer when competency achieved |
| Specific developmental language disorder | | | |
| Developmental language disorder caused by cerebral disease | | | |
| Developmental language disorder caused by hearing disorder | | | |
| Developmental language disorder caused by genetics and/or syndroma | | | |
| History | | | |
| | | | Signature trainer when competency achieved |

| Specific | | | |
|--|---|---|---|
| Unintelligible Speech/dyslalia | | | |
| Reduced expressive vocabulary | | | |
| Disturbed speech perception | | | |
| Dysgrammatism | | | |
| General | | | |
| Delayed psychomotor development | | | |
| Delayed cognitive development | | | |
| Clinical Examination | | | |
| | S | I | A |
| | Signature trainer when competency achieved | | |
| General | | | |
| Auditory/visual/palpatory examination | | X | |
| Assessment of tongue coordination and motion | | X | |
| Assessment of velar function | | X | |
| Assessment of face and jaw morphology | | X | |
| Assessment of balance | | X | |
| Complex speech assessment | | X | |
| Ultrasonography | | | |
| Sonography of tongue during speech | | | X |
| Diagnostic work up | | | |
| | | | Signature trainer when competency achieved |
| Audiometry | | | |
| Narrow band or pure tone audiometry | | | |
| Impedance measurements | | | |
| TEOAE, DPOAE, BERA | | | |
| Imaging | | | |
| Cerebral Sonography, CT, MRI | | | |
| Laboratory tests | | | |
| Metabolic diagnostics | | | |
| Genetic assessment | | | |
| Neuropediatric assessment | | | |
| Psychomotoric Testing | | | |

| | | |
|--|-------|---|
| EEG | | |
| Ophthalmologic assessment | | |
| Eyesight-test | | |
| Medical Treatment | | |
| | | Signature trainer when competency achieved |
| Logopedic/Speech Language therapy | | |
| Ergotherapy | | |
| Physiotherapy | | |
| Complications | | |
| | | Signature trainer when competency achieved |
| Permanent deficit or loss of communication competence | | |
| Illiteracy | | |
| 7.E FLUENCY DISORDERS | | |
| Diseases / Fluency disorders | | |
| | | Signature trainer when competency achieved |
| Stuttering | | |
| Cluttering | | |
| Mixed fluency disorder | | |
| History | | |
| | | Signature trainer when competency achieved |
| Specific | | |
| Non-fluent speech | | |
| Repetitions of phonemes, syllables, words, part of sentences | | |
| Toni | | |
| Respiratory Dyscoordination | | |
| Facial symptoms | | |
| General | | |
| Non-voluntary movements | | |
| Psychosocial problems | | |
| Clinical Examination | | |
| | S A | Signature trainer when competency achieved |

| General | | |
|---|---|---|
| Auditory/visual/palpatoary examination | X | |
| Assessment of tongue coordination and motion | X | |
| Assessment of phonatory respiration | X | |
| Complex fluency assessment | X | |
| Questionnaires | | |
| Fluency disorder-related quality of life questionnaire | X | |
| Others | | |
| Audiometry | X | |
| Diagnostic work up | | |
| | | Signature trainer when competency achieved |
| Imaging | | |
| Cerebral CT, MRI | | |
| Laboratory tests | | |
| Genetics | | |
| Neurologic assessment | | |
| EEG | | |
| Medical Treatment | | |
| | | Signature trainer when competency achieved |
| Logopedic/Speech Language therapy | | |
| Pharmacotherapy | | |
| Psychotherapy | | |
| Complications | | |
| | | Signature trainer when competency achieved |
| Permanent fluency disorder | | |
| Social isolation | | |
| 7.F HEARING IMPAIRMENTS AS PART OF COMMUNICATION DISORDERS | | |
| Diseases / Hearing impairments | | |
| | | Signature trainer when competency achieved |
| Conductive hearing loss and mixed hearing loss | | |
| Sensorineural hearing loss (cochlear and retrocochlear) | | |

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|---|---|--|
| Sudden sensorineural hearing loss (SSHL) | | |
| Central hearing loss | | |
| Auditory processing disorder | | |
| Tinnitus | | |
| History | | |
| | | Signature trainer when competency achieved |
| Specific | | |
| Time and dynamic of onset | | |
| Description of impairment right/left ear | | |
| Balance disturbances | | |
| Known etiology | | |
| Effects on voice, speech, and language communication abilities | | |
| Previous diagnostic and therapeutic measures | | |
| General | | |
| Additional handicaps, diseases | | |
| Delayed psychomotor development | | |
| Delayed cognitive development | | |
| Clinical Examination | | |
| | S | I A |
| | | |
| ENT examination including binaural otoscopy/otomicroscopy, verbal acumatic test and tuning fork tests | | X |
| Diagnostic work up | | |
| | | Signature trainer when competency achieved |
| Audiological tests | | |
| Age-specific subjective tests (free-field audiometry, pure-tone audiometry, speech audiometry) | | |
| Newborn hearing screening | | |
| Objective audiometry | | |
| Vestibular testing | | |
| Imaging | | |
| CT, MRI | | |
| Laboratory tests | | |

| | | |
|--|--|---|
| Serologic tests | | |
| Genetic assessment if necessary | | |
| Indication of Consultant Diagnostics | | |
| Paediatrics/Neuropaediatrics | | |
| Neurologist | | |
| Psychologist | | |
| Ophthalmologist | | |
| Urologist | | |
| Medical Treatment | | |
| | | Signature trainer when competency achieved |
| Supply with hearing devices | | |
| (Re-) Habilitation procedures | | |
| Disorder- specific advice e.g. in SSHL pharmacological treatment, hyperbaria | | |
| Complications | | |
| | | Signature trainer when competency achieved |
| Permanent deficit or loss of communication competence | | |

| V. FACIAL PLASTICS AND AESTHETIC SURGERY | | |
|---|--|---|
| Diseases/Disorders | | |
| | | Signature trainer when competency achieved |
| Congenital malformations | | |
| Infections | | |
| Inflammatory | | |
| Benign & malignant tumours | | |
| Traumatic injuries | | |
| History | | |
| | | Signature trainer when competency achieved |
| Specific | | |
| Nasal deformity | | |
| Nasal obstruction | | |
| Prominent ear | | |

| | | |
|---|--|---|
| Aural atresia | | |
| Fractures of the facial bones | | |
| Facial paralysis | | |
| Dermatochalasis | | |
| Ptosis | | |
| Volume loss of the soft tissues of the face | | |
| Skin atrophy | | |
| Pigmentary disturbances of the skin | | |
| Skin wrinkles | | |
| Aging face | | |
| Aging neck | | |
| Neurosensory disturbances | | |
| General | | |
| Family history of aging | | |
| Past history of non-invasive procedures | | |
| Past history of facial plastic surgery | | |
| Facial trauma | | |
| Sun exposure | | |
| Ototoxic usage / exposure | | |
| Migraine | | |
| Perinatal history | | |
| TORCH infection | | |
| Clinical Examination | | |
| | | Signature trainer when competency achieved |
| General | | |
| assessment of the face and ethnic variation | | |
| facial analysis | | |
| effects of aging process | | |
| assessment of skin | | |
| psychological assessment / screening | | |
| photography | | |
| investigation of the cranial nerves, clinical | | |

| | | |
|---|--|---|
| facial paralysis grading | | |
| anterior rhinoscopy | | |
| endoscopy | | |
| microscopy | | |
| computer imaging | | |
| Tests of Function | | |
| rhinomanometry | | |
| acoustic rhinometry | | |
| olfactory tests | | |
| cytology of nasal mucosa | | |
| allergy tests | | |
| airstream simulation | | |
| photography, videography | | |
| Interpretation of relevant imaging | | |
| ultrasound scan (a- and b-mode) | | |
| X-ray conventional, OPG | | |
| Cephalometry | | |
| interpretation of | | |
| a. CT-scan | | |
| b. MR-imaging | | |
| c. Isotope scan (szinti-scan) | | |
| d. Angiography | | |
| e. PET-CT | | |
| digital volume tomography | | |
| 3D Analysis | | |
| Non-surgical management | | |
| | | Signature trainer when competency achieved |
| pharmacological therapy | | |
| topical drug application | | |
| chemical peels | | |
| laser therapy | | |
| intense light therapy | | |

| | | | | |
|--|---|---|---|---|
| noninvasive tissue therapy | | | | |
| intense ultrasound and related methods | | | | |
| percutaneous cryotherapy | | | | |
| percutaneous, minimally invasive tissue ablation | | | | |
| management of wounds | | | | |
| application of botulinum toxins and neuromodulators | | | | |
| a. for reconstructive purposes | | | | |
| b. for the treatment fo facial paralysis and other neural deficits | | | | |
| c. for cosmetic purposes including wrinkle treatment | | | | |
| d. for wound healing and improved scarring | | | | |
| application of fillers (temporary and permanent) | | | | |
| wrinkle treatment, other methods | | | | |
| management of scar tissue | | | | |
| lipolysis | | | | |
| wound dressings | | | | |
| prosthetic options for ear, nose, etc. | | | | |
| Surgical Management | | | | |
| | S | I | A | Signature trainer when competency achieved |
| topical, local and regional anaesthesia | | X | | |
| suture techniques | | X | | |
| turbinate surgery | | X | | |
| excision techniques for cutaneous malignancies | | X | | |
| Trauma | | | | |
| Repair Soft Tissue Injury/Lacerations | | X | | |
| Facial Nerve Repair | | | X | |
| Lacrimal Duct Repair | | | X | |
| Nasal Fracture | | X | | |
| Frontal Sinus Fracture | | | X | |
| Nasoethmoid Fracture | | | X | |
| Skull/Cranial Fracture | | | X | |
| Midface Fracture | | | X | |
| Malar (Zygoma) Fracture | | | X | |

| | | | |
|-------------------------------------|---|---|---|
| Orbital Fracture | | | X |
| Mandibular Fracture | | | X |
| Other | | | X |
| Congenital | | | |
| Hemangioma/Lymphangioma | | | |
| Resection | | | X |
| Treatment | | | X |
| Choanal Atresia Repair | | | X |
| Cleft Lip | | | |
| Unilateral Repair | | | X |
| Bilateral Repair | | | X |
| Alveolar Cleft Repair | | | X |
| Cleft Palate Repair | | | X |
| Craniofacial Procedure | | | X |
| Microtia Reconstruction | | | X |
| Otoplasty | X | | |
| Other Auricular Revision | | | X |
| Other | | | X |
| Reconstructive | | | |
| Mandible Reconstruction | | | X |
| Facial Bone Grafting/Reconstruction | | | X |
| Orthognathic Procedures | | | X |
| Grafts | | | |
| Split Thickness | | X | |
| Full Thickness | | X | |
| Composite | X | | |
| Dermal/Dermal-Fat | X | | |
| Cartilage Grafts | | | |
| Auricular | | | X |
| Rib | | | X |
| Septal | | X | |
| Flaps | | | |

| | | | |
|--|---|--|---|
| Local | X | | |
| Regional | | | X |
| Distal | | | X |
| Free | | | X |
| Lip | X | | |
| Detachment of Pedicle Flap | X | | |
| Facial Nerve Reconstruction | | | |
| Nerve Graft | | | X |
| Gold Weight | X | | |
| Lower Lid Tightening | | | X |
| Microneurovascular Flap | | | X |
| Muscle Sling | | | X |
| Static Sling | | | X |
| Other | | | X |
| Scar Revision Surgery | | | |
| Z-Plasty | X | | |
| W-Plasty/Geometric Broken Line Closure | X | | |
| Complex Other | | | X |
| Full Face Dermabrasion | | | X |
| Tissue Expanders | | | X |
| Other | | | X |
| Cosmetic/Reconstructive | | | |
| Rhinoplasty | | | X |
| Septorhinoplasty | | | X |
| Septoplasty | X | | |
| Blepharoplasty (count bilaterals as 1 procedure only; count upper & lower blephs each as 1 procedure) | | | |
| Upper Cosmetic | | | X |
| Upper Functional | | | X |
| Lower w/ fat repositioning | | | X |
| Lower | | | X |
| Skin Pinch | | | X |

| | | | | |
|---|--|--|---|---|
| Rhytidectomy: | | | | |
| Extended SMAS | | | X | |
| W/Smart Lipo Laser | | | X | |
| Deep Plane | | | X | |
| Mini-Lift | | | X | |
| W/ Smart Lipo Laser | | | X | |
| Plication Lift | | | X | |
| W/ Smart Lipo Laser | | | X | |
| Midface Lift | | | X | |
| Mentoplasty (Chin) | | | | |
| Augmentation | | | X | |
| Reduction | | | X | |
| Facial Implants (e.g. malar) | | | X | |
| Coronal/Frontal Lift | | | X | |
| Browlift | | | X | |
| Endoscopic Forehead Lift | | | X | |
| Transtemporal | | | X | |
| Tricophytic | | | X | |
| Cervicofacial Liposuction | | | X | |
| Skin Resurfacing | | | | |
| Dermabrasion (major-not scars) | | | X | |
| Chemical Peel (medium & deep only) | | | X | |
| Face, Eyelid, and/or Perioral Laser Resurf. | | | X | |
| Laser Treatment of Vascular Lesions | | | X | |
| Fat Transfer | | | X | |
| Other | | | X | |
| Complications | | | | |
| | | | | Signature trainer when competency achieved |
| Infection | | | | |
| Asymmetry | | | | |
| Prolonged edema | | | | |
| Prolonged erythema | | | | |

| | | |
|----------------------------|--|--|
| Contour deformities | | |
| Facial paralysis | | |
| Implant extrusion | | |
| Skin necrosis | | |
| Keloid | | |
| Chemosia | | |
| lagophthalmos | | |
| Ptosis | | |
| Subconjunctival hemorrhage | | |
| Vision loss | | |
| Anosmia | | |
| Epistaxis | | |
| Septal perforation | | |
| Neurosensory deficits | | |
| Malocclusion | | |

| VI. PAEDIATRIC OTORHINOLARYNGOLOGY | | |
|--|--|---|
| 1. OTOLOGY | | |
| Diseases/Disorders | | |
| | | Signature trainer when competency achieved |
| Acute otitis media | | |
| Otitis media with effusion | | |
| Chronic otitis media | | |
| Chronic otitis media with cholesteatoma | | |
| Sensorineural hearing loss of various causes and degrees | | |
| Facial nerve disorders | | |
| Syndromes and malformations | | |
| History | | |
| | | Signature trainer when competency achieved |
| Specific | | |
| Otalgia | | |

| | | |
|--|--|--|
| Otorrhea | | |
| Hearing loss | | |
| Tinnitus | | |
| Vertigo and balance disorders | | |
| Hyperacusis | | |
| Facial nerve disorders | | |
| General | | |
| Family history of hearing or balance disorders | | |
| Perinatal history | | |
| History of otitis media | | |
| Past history of infectious diseases | | |
| Head/ear injury | | |
| Noise exposure | | |
| Ototoxic usage / exposure | | |
| Clinical Examination | | |
| | | Signature trainer when competency achieved |
| General | | |
| General ORL examination | | |
| Microscopy | | |
| Oto-endoscopy | | |
| Diagnostic Procedures | | |
| Clinical hearing tests | | |
| Laboratory tests | | |
| Microbiology tests | | |
| Audiometric evaluation | | |
| Tympanometry | | |
| Screening methods | | |
| ABR,ASSR,OAE | | |
| Imaging (x-ray, CT, MRI, angiography) | | |
| Evaluate and identify complications | | |
| Medical Treatment | | |
| | | Signature trainer when competency achieved |

| | | | | |
|--|---|---|---|--|
| Pharmacological treatment | | | | |
| Referral for hearing aid placement | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| Foreign body removal | | X | | |
| Myringotomy | | X | | |
| Ventilation tube insertion | | X | | |
| Tympanoplasty | X | | | |
| Antrotomy | X | | | |
| Mastoidectomy - simple | X | | | |
| Cochlear implants, BaHa | | | X | |
| 2. LARYNGOLOGY & PHONIATRICS | | | | |
| Diseases/Disorders | | | | |
| | | | | Signature trainer when competency achieved |
| Stridor of various causes (congenital, infective, posttraumatic, tumours, iatrogenic, OSAS, foreign body) | | | | |
| History | | | | |
| | | | | Signature trainer when competency achieved |
| Family history | | | | |
| Prenatal | | | | |
| Birth: method of delivery | | | | |
| Respiratory compromise | | | | |
| Post-natal: ICU stay/intubation? | | | | |
| ER visits/hospital stays? | | | | |
| Stridor: awake or asleep, posture | | | | |
| Exercise (in)tolerance | | | | |
| Sleep apnoea | | | | |
| Quality of voice/cry | | | | |
| Failure to thrive | | | | |
| Eating/swallowing disorders | | | | |
| Clinical Examination | | | | |
| | | | | Signature trainer when competency achieved |

| General | | | |
|---|---|---|---|
| General ORL examination | | | |
| Initial assessment of a patient with stridor – determine urgency/correlate with breathing/Failure to Thrive | | | |
| Nasal flaring | | | |
| Retractions: suprasternal, sternal, subcostal | | | |
| Cyanosis (perioral) | | | |
| Rapid respiratory rate | | | |
| Desaturation | | | |
| Discomfort/distress | | | |
| Diagnostic Procedures | | | |
| Flexible-endoscopy of the larynx, trachea, bronchi | | | |
| Rigid endoscopy | | | |
| Laryngomicroscopy | | | |
| Laboratory tests | | | |
| Microbiology tests | | | |
| Imaging (x-ray, MSCT, MRI, angiography, esophagography) | | | |
| Medical Treatment | | | |
| | | | Signature trainer when competency achieved |
| Pharmacological treatment (antibiotics, corticosteroids therapy, inhalations, propranolol therapy) | | | |
| Surgical Treatment | | | |
| | S | I | A |
| | | | Signature trainer when competency achieved |
| Removal of foreign bodies from the larynx, trachea, bronchi and oesophagus | X | | |
| Endotracheal intubation | X | | |
| Tracheotomy - tracheostomy | X | | |
| Endolaryngeal surgery of tumours | | | X |
| Endolaryngeal laser surgery of tumours in the upper aerodigestive tract | | | X |
| Management of laryngo-tracheal stenosis | | | X |
| 3. RHINOLOGY, ALLERGOLOGY & FACIAL PLASTIC SURGERY | | | |
| Diseases/Disorders | | | |
| | | | Signature trainer when competency achieved |
| Rhinosinusitis (with or without nasal polyps, acute, chronic, related to comorbidities) | | | |

| | | |
|---|--|---|
| Rhinitis (infective and allergic) | | |
| Epistaxis | | |
| Trauma | | |
| Septal deviation | | |
| Choanal atresia | | |
| Tumours | | |
| History | | |
| | | Signature trainer when competency achieved |
| Familiar history Prenatal | | |
| Birth: method of delivery | | |
| Neonatal | | |
| Nasal obstruction | | |
| Nasal secretion | | |
| Cough | | |
| Headache | | |
| Snoring | | |
| Sleep disturbance | | |
| Clinical Examination | | |
| | | Signature trainer when competency achieved |
| General | | |
| General ORL examination | | |
| Clinical assessment of patency | | |
| Nasal endoscopy | | |
| Endoscopy of the nasopharynx | | |
| Diagnostic Procedures | | |
| Laboratory tests | | |
| Microbiology tests | | |
| Ciliary function tests | | |
| Biopsy of the nasal mucosa and analysis of ciliary motility | | |
| Allergy tests | | |
| Imaging (CT, MRI) | | |

| | | | |
|--|---|---|---|
| Sleep studies | | | |
| Medical Treatment | | | |
| | | | Signature trainer when competency achieved |
| Pharmacological treatment | | | |
| Surgical Treatment | | | |
| | S | I | A Signature trainer when competency achieved |
| Control of epistaxis | | X | |
| Nasal packing/cautery | | X | |
| Foreign body removal | | X | |
| Reposition of nasal fractures | | X | |
| Incising abscess | | X | |
| Septal hematoma | | X | |
| Soft tissue injuries | X | | |
| Otoplasty | | X | |
| Septal surgery | | | X |
| Pediatric endoscopic surgery | | | X |
| Dacryocystorhinostomy in children | | | X |
| Cleft patient rhinoplasty | | | X |
| Corrections of malformations (e.g. choanal atresia, fistulae, dermoids, etc) | | | X |
| Juvenile angiofibroma endoscopic/open surgery | | | X |
| 4 LARYNGOLOGY/HEAD & NECK | | | |
| Diseases/Disorders | | | |
| | | | Signature trainer when competency achieved |
| Oral cavity, pharynx Adenotonsillar disease | | | |
| Neck swelling (various causes: congenital, infective, tumours) | | | |
| Injuries to the head and neck | | | |
| History | | | |
| | | | Signature trainer when competency achieved |
| Prenatal | | | |
| Neonatal | | | |

| | | |
|--|--|---|
| Nasal obstruction | | |
| Sleep apnoea | | |
| Recurrent tonsillitis | | |
| Complications of tonsillitis | | |
| Carrier state | | |
| Drooling and speech problem | | |
| Clinical Examination | | |
| | | Signature trainer when competency achieved |
| General | | |
| General ORL examination | | |
| Nasopharyngoscopy | | |
| Specific assessment of the complaint | | |
| Diagnostic Procedures | | |
| Laboratory tests | | |
| Microbiology tests | | |
| Sleep studies | | |
| Ultrasound examination of the neck | | |
| Imaging (CT, MRI) | | |
| FNA/biopsy as required | | |
| Plain X-ray | | |
| Computerized tomography (to include cone beam CT scanning of the temporal bones) | | |
| Magnetic resonance imaging | | |
| Angiography | | |
| Positron Emission Tomography | | |
| technetium, gallium scanning | | |
| Relevant blood tests | | |
| Cytology | | |
| Histology | | |
| Microbiology | | |
| Medical Treatment | | |
| | | Signature trainer when competency achieved |

| | | | | |
|--|---|---|---|--|
| Pharmacological treatment (antibiotics, steroids, propranolol) | | | | |
| Surgical Treatment | | | | |
| | S | I | A | Signature trainer when competency achieved |
| Adenoidectomy | | X | | |
| Tonsillectomy and tonsillotomy | | X | | |
| Abscess tonsillectomy (hot tonsillectomy) | | X | | |
| Arrest of postadenotonsillectomy haemorrhage | | X | | |
| Foreign body removal | | X | | |
| Transoral removal of salivary calculi | | X | | |
| Drainage of abscess | | | | |
| Peri- and retrotonsillar | | X | | |
| Para- and retropharyngeal | X | | | |
| Correction of malformations | | | | |
| Lingual and labial frenulum | | X | | |
| Ranula | X | | | |
| Cysts inclusion | | | X | |
| Macroglossia | | | X | |
| Surgery of simple neck injuries | | X | | |
| Surgery of tumours: | | | | |
| a) thyroglossal duct/cyst | X | | | |
| b) branchial cyst | X | | | |
| c) neck fistulae | X | | | |
| d) single lymph node excision | X | | | |
| e) benign tumours including salivary glands | X | | | |
| f) Incision and drainage of neck abscess | | X | | |
| g) Surgery of benign skin tumours | | X | | |
| h) Surgery of vascular tumours | | | | |
| i) Surgery of malignant tumours | | | X | |
| Surgery of the thyroid gland | | | | |
| Hemithyroidectomy | | | X | |
| Total thyroidectomy | | | X | |
| | | | | |

| 5 POSTOPERATIVE COMPLICATIONS | | Signature trainer when competency achieved |
|--|--|--|
| Complications of general and local anaesthesia | | |
| Bleeding / haematoma | | |
| Infection | | |
| Conductive hearing loss | | |
| Sensorineural hearing loss | | |
| Vertigo / imbalance | | |
| Tinnitus | | |
| Hyperacusis | | |
| Facial nerve paresis | | |
| Taste disturbance | | |
| Numbness of the auricle | | |
| CSF leakage | | |
| Intracranial infection | | |
| Lower cranial neuropathy | | |