

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, phoniatics, 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 competency level is required.
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 Head and Neck
 - V Phoniatics
 - VI Facial Plastics and Aesthetic surgery
 - VII 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 are both general and advanced procedures listed:

General procedures:

Under this heading all items are listed which must be experienced by the end of the training period by every ORL-HNS trainee, in order 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

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

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

II. OTOTOLOGY/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		

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		
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		
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		
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	
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 loss				
Sensorineural hearing loss				
Vertigo / imbalance				
Tinnitus				
Hyperacusis				
Facial nerve paresis				
Taste disturbance				
Numbness of the auricle				
CSF leakage				
Intracranial infection				
Lower cranial neuropathy				

III. NOSE AND PARANASAL SINUSES

Diseases/Disorders

Signature trainer when competency achieved

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)				
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		
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	
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 and septum and septal haematoma under local or general anesthesia		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. HEAD AND NECK

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

Sinonasal		
Vascular malformations		
Trauma		
1. 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		
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. Alle procedures zijn op zijn minst supervised		X		
20. Partial or total laryngectomy			X	
21. Primary or secondary placement of vocal prosthesis		X		
22. 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
23. Endonasal surgical procedures (including navigation systems)	X			
24. Maxillectomy (partial, total)			X	
25. Lateral rhinotomy			X	
26. Midfacial degloving			X	
27. Orbitotomy and Exenteration of orbit			X	
28. 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
29. Single node resection		X		
30. Sentinal node procedures	X			
31. 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
32. Submandibular gland surgery	X			
33. Parotid (partial or total) surgery (Levels I to V according to the ESGS classification)			X	
34. 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 goiter				
Dysphonia				
Symptoms of hypo- or hyperthyroidism				
Previous radiation (iodine, external radiation)				
Surgical Treatment				
	S	I	A	Signature trainer when competency achieved
35. Hemithyroidectomy	X			
36. Total thyroidectomy			X	
37. 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
38. Sentinel node technique in melanoma	X			
39. Limited surgical excision (including local reconstruction)	X			
40. Extended surgical excision	X			

41. (Skin-) Reconstruction of the nose, lip and other structures	X			
42. Parotidectomy			X	
Neck nodes (see paragraph neck)				
2. BENIGN DISEASES HEAD AND NECK				
2.A ORAL CAVITY				
Knowledge				
				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
43. Excision biopsy		X		
44. Local surgery (incl. laser)		X		
45. Rerouting salivary duct	X			
46. Resection submandibular gland	X			
2.B PHARYNX				
Nasopharynx				
Knowledge				
				Signature trainer when competency achieved
Adenoid				
Thornwald cyst				
Juvenile angiofibroma				
Surgical Treatment				
	S	I	A	Signature trainer when competency achieved
47. Adenoidectomy		X		
48. Endoscopic transnasal or transoral surgery (Thorwald cyst....)		X		

49. 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
50. Tonsillectomy, tonsillotomy		X		
51. Endoscopic surgery		X		
52. Transoral surgery	X			
53. Transoral robotic surgery			X	
54. 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
55. Dilatation procedures		X		
56. Endoscopic Treatments of Zenker's diverticulum (stapler, laser)	X			
57. External surgery of Zenker's diverticulum			X	
58. Endoscopic myotomy of cricopharyngeal muscle	X			
59. External myotomy of cricopharyngeal muscle			X	

60. Foreign body removal		X		
61. Surgery of congenital anomalies	X			
62. Pharyngotomy			X	
2.C LARYNX				
Knowledge				
See also chapter on Phoniatics				Signature trainer when competency achieved
Benign intraepithelial lesions				
Granuloma, polyp, nodule, Reinke oedema, cyst				
Laryngocele				
Stenosis (congenital or acquired)				
Vocal cord paralysis				
Congenital malformations (larynomalacia, cleft, web)				
Surgical Treatment				
	S	I	A	Signature trainer when competency achieved
63. Endoscopic surgery (including laser) for benign intraepithelial lesions, granuloma, polyp, nodule, Reinke oedema, cyst	X			
64. Augmentation procedures	X			
65. Open surgery (laryngofissure, framework surgery)			X	
66. Closure tracheostomy		X		
2.D NOSE AND PARANASAL SINUSES				
Knowlegde				
				Signature trainer when competency achieved
Inverted Papilloma				
Benigne lesions and tumours (solid tumours, angiofibroma, fibrous dysplasia)				
Foreign body				
Congenital fistula				
Ozena				
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
67. Diagnostic lymph node dissection		X		
68. Removal of congenital cyst /fistula		X		
69. Local tumour surgery		X		
70. Sistrunk procedure	X			
71. Removal laryngocele	X			
72. Drainage deep neck abcess		X		
73. 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
74. Interventional sialendoscopy (stone related, dilatation, biopsy)	X			
75. Combination / open procedures stone removal	X			
76. Accessory salivary gland biopsy/ open biopsy salivary gland tumour		X		
77. Procedures of salivary ducts	X			
78. Submandibular surgery		X		
79. Parotid partial or total surgery	X			
80. Salivary gland wounds and ductal repair	X			
2.G THYROID GLAND				
Knowledge				
				Signature trainer when competency achieved
Goiter (normal or toxic thyroid function)				
Thyroid nodule(benign atoxic, benign toxic, malignant)				
Thyroiditis				
Parathyroid functional disorders and neoplasms				
Surgical Treatment				
	S	I	A	Signature trainer when competency achieved
81. Hemithyroidectomy	X			
82. Total thyroidectomy			X	
83. 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
84. Removal of foreign bodies (rigid and /or flexible endoscopes)		X		
85. Endotracheal intubation		X		
86. Tracheostomy		X		
87. Cricothyroidotomy		X		
88. Local closure of trachea	X			
89. Endoscopic laser and dilatation procedures	X			
90. Open procedures (larynx and) trachea			X	
91. Closure of tracheostoma		X		
Management of complications				
				Signature trainer when competency achieved
Stridor/ dyspnoea				
Post-operative bleeding, infections				
Dysphagia, hoarseness				
4. DIGESTIVE TRACK/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
92. Swallowing rehabilitation		X			
93. Removal of foreign bodies		X			
94. Endoscopic biopsy and tumour staging		X			
95. 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		
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
96. Septoplasty, turbinoplasty, FESS, adenoid removal, tonsillotomy/tonsillectomy, UPPP, palatal radiofrequency, radiofrequency of the base of the tongue, tracheostomy		X		
97. Multi level surgery, soft palate stiffening implants			X	
98. Hypoglossal nerve stimulation implants, hyoid suspension, maxillo-mandibular advancement (MMA)			X	
Management of Complications				
				Signature trainer when competency achieved
Acute airway obstruction				
Dysphagia 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				
Knowlegde about additional diagnostics				
				Signature trainer when competency achieved
Ultrasound				
MRI				
Pharyngoscopy				
DNA analysis, Hormonal blood /urine test				
Diseases according to Calssification 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		
Propranolol		
Low dose radiotherapy		
Surgical Treatment		
	S	I A
99. Local excision		X
Management of Complications		
		Signature trainer when competency achieved
Bleeding		
Airway obstruction		
Abundant draining		
Cranial nerve damage		

V. PHONiatrics

1. 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

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 Nn. VII, IX, X, XII		X		
Assessment of oral bolus residua		X		
Endoscopy				
FEES – Fiberoptic endoscopic evaluation of swallowing		X		
Rigid Laryngoscopy (70°, 90°)		X		
Esophagoscopy		X		
Esophageal manometry			X	
Ultrasonography				
Sonography of tongue during swallowing			X	
Other				
Automatic digital swallowing recordings (acoustic or electric devices)			X	
Auscultation (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				
Corticoids (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
PEG		X
Dilatation of esophageal sphincter/esophagus		X
Complications		
Aspiration		
Pneumonia		
Cachexia		
2. DYSPHONIA		
Diseases/Disorders		
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 Arytaenoid			
Spasmodic dysphonia			
Dysarthrophonia			
Mutational voice disorder			
Cervicogenic dysphonia			
History			
			Signature trainer when competency achieved
Specific			
Hoarseness			
Vocal fatigue			
Reduced voice dynamics			
Clear one's throat			
General			
Stress			
Reflux			
Vertebral symptoms			
Clinical Examination			
	S	I	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			
Corticoids (cave: contraindications)			
Inhalation therapy			
Surgical Treatment			
	S	I	A
Botulinum toxin treatment		X	
Phonosurgery		X	
Laryngeal framework surgery			X
Complications			
			Signature trainer when competency achieved
Permanent Dysphonia/Aphonia			
Dyspnoea			
3. 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/palpatory 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 etc.		
Medical Treatment		
		Signature trainer when competency achieved
Pharmacological treatment		
Radiotherapy		
Logopedic/Linguistic therapy		
Complications		
		Signature trainer when competency achieved
Permanent loss of communication competence		
4. 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			

5. FLUENCY DISORDERS

Diseases / Fluency disorders

		Signature trainer when competency achieved
Stuttering		
Cluttering		
Mixed fluency disorder		

History

		Signature trainer when competency achieved
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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	I	A	Signature trainer when competency achieved
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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		
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Others

Audiometry		X		
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Diagnostic work up

		Signature trainer when competency achieved
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Imaging

Cerebral CT, MRI		
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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		
6. 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)		
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		

VI. FACIAL PLASTICS AND AESTHETIC SURGERY		
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Diseases/Disorders		
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		Signature trainer when competency achieved
Congenital malformations		
Infections		
Inflammatory		
Benign & malignant tumours		
Traumatic injuries		

History		
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		Signature trainer when competency achieved
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Specific		
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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		
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Family history of aging		
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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
Microvascular 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				
Chemosis				
lagophthalmos				
Ptosis				
Subconjunctival hemorrhage				
Vision loss				
Anosmia				
Epistaxis				
Septal perforation				
Neurosensory deficits				

Malocclusion		
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VII. 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
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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 AND 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
Familiar 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 breathe		
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 AND ALLERGOLOGY AND 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 HEAD AND 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		
Droling 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 lymphnode	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			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				