

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

**OTO-RHINO-LARYNGOLOGY
- HEAD AND NECK SURGERY**

TRAINING PROGRAMME

INTRODUCTION

The UEMS-ORL Section and Board of Otorhinolaryngology-Head and Neck Surgery has developed a European training programme for the Specialty. 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 and anterior skull base, oral cavity, pharynx, larynx, trachea, oesophagus, head, neck, thyroid, salivary and lacrimal glands and adjacent structures. It also includes investigation and treatment of conditions affecting the auditory, vestibular, olfactory and gustatory senses and disorders of the cranial nerves; as well as human communication in respect of speech, language and voice disorders. Some of the conditions diagnosed by the Otorhinolaryngologists but located in adjoining areas will be treated with 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 and paranasal sinus 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 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 (A) non surgical management (B) and surgical management (C) has been prepared by the UEMS ORL-HNS Section and Board and is outlined on Pages 8 to 39.
5. The European training programme requires documentation of all skills and operative procedures/management itemized in the columns headed "General" in the sub-section of surgical management. Confirmation of the progression of the trainee to the competency level is required.

Three categories are used.

(a) The trainee assists the trainer during the procedure/management

(s) The trainee requires supervision/assistance by trainer while he/she performs the procedure/management

(i) The trainee performs the procedure/management independently/alone (trainer available)

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.

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 European Board 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 with respect to new developments.

CONTENT OF THE LOGBOOK

The log book is divided into six sections.

- I Basic objectives.
- II Otology
- III Nose and paranasal sinuses
- IV Larynx, tracheobronchial tree
- V Oral cavity, pharynx, oesophagus
- VI Head and neck and aesthetics

A knowledge and understanding is required of the topics listed in Section I Basic Objectives.

The subsequent sections II - VI list the typical contents of the current ORL-HNS specialty. Knowledge, experience and skills are tabulated in three sub-sections.:

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

The trainee must have knowledge and understanding of the diagnostic procedures and non-surgical management.

The columns in the log-book in the sub-sections (C) Surgical Management are divided into two sections.

1. General

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.

2. Advanced

Under this heading the skills and operative managements are listed, 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 knowledge of these methods.

The progression of the trainee must be recorded on an annual basis (years 1 - 5) with the number of procedures performed in three categories:

- (a) Trainee assists the trainer
- (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.

For example:

	1 st year			2 nd year			3 rd year			4 th year			5 th year		
	a	s	i	a	s	i	a	s	i	a	s	i	a	s	i
Myringoplasty	-	-	-	3	-	-	4	3	-	-	4	2	-	-	10

The relevant trainer should endorse by signing and dating in column 6, when the trainee has achieved competency with 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.net The ORL-HNS 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 and collated electronically.

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

<i>Knowledge of fundamentals in</i>	
1	emergency medicine and resuscitation
2	infection control
3	antimicrobial therapy
4	transfusions medicine/blood grouping/cross-matching etc.
5	haemostasis
6	oncology
7	wound healing
8	general surgical techniques
9	basics in plastic and reconstructive surgery
10	transplantation medicine
11	soft tissue and bone traumatology
12	immunology
13	endocrinology
14	oral and parenteral nutrition
15	basic psychosomatic investigation/management
16	radiation protection
17	medical quality control
18	ethical principles/consent for operation
19	social welfare legislation
20	basic nutritional medicine
21	basic laboratory procedures
22	basic laboratory investigations,
a.	indication, correct taking and handling of
b.	samples and interpretation of the results
23	normal blood values
24	bacteriology/mycology
25	principal detection of fungi (cell culture)
26	antimicrobial medication
27	analysis of tumour-markers
28	allergology laboratory investigations

Trainee must have knowledge and understanding of the procedure/management

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II. Otology

A. Diagnostic Procedures

a) CLINICAL EXAMINATION

- 1 otoscopy
- 2 endoscopy
- 3 microscopy

b) HEARING FUNCTION

- 4 hearing distance test
- 5 tuning fork tests
- 6 impedance audiometry
- 7 pure tone audiometry
- 8 speech audiometry
- 9 supraliminal audiometry
- 10 objective hearing test
 - a. evoked response audiometry (ERA,BERA)
 - b. oto-acoustic emissions (OAE)
- 11 paediatric audiology
 - a. screening methods
 - b. objective methods
 - c. subjective methods

c) VESTIBULAR FUNCTION

- 12 spontaneous nystagmus
- 13 induced nystagmus
 - a. positional nystagmus
 - b. caloric testing
 - c. electronystagmography
 - d. rotating chair test
 - e. spinal reflexes (Unterberger, Romberg)
 - f. posturography
 - g. videonystagmography

Trainee must have knowledge and understanding of the procedure/management

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d) FACIAL NERVE FUNCTION	
14	topodiagnostic testing
a.	e.g. Schirmer's test, gustatory tests, stapedial reflex
15	neurophysiological testing
a.	nerve stimulation tests (e.g. MST, NMG (ENoG), TFR ...)
b.	electromyography
e) INTERPRETATION OF RELEVANT IMAGING	
16	conventional X-Ray, CT, MRI, Angiography
B. Non-surgical Management	
17	pharmacological treatment and/or physical rehabilitation:
18	ear infection
19	sensorineural deafness
20	tinnitus
21	vertigo and disequilibrium
22	facial nerve paresis / paralysis
23	post-op care

		General		Advanced
		s	i	
C. Surgical Management				
24	temporal bone dissections (lab.)		X	
25	local and regional anaesthesia		X	
26	management of oto-haematoma		X	
27	removal of osteomas	X		
28	otoplasty	X		
29	meatoplasty	X		
30	foreign body removal		X	
31	polyps of auditory meatus		X	
32	myringotomy		X	
33	ventilation tubes		X	
34	myringoplasty	X		
35	tympantomy	X		
36	antrotomy	X		
37	mastoidectomy			
a.	simple		X	
b.	modified	X		
c.	radical			X

Trainee must have knowledge and understanding of the procedure/management

	Date when knowledge is achieved	Signature
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PROGRESSION OF SURGICAL SKILLS

	1st year			2nd year			3rd year			4th year			5th year			Column 6 - Date when competency is achieved
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		General		Advanced
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38	tympaanoplasty (reconstruction of ossicles)			X
39	implantation of prosthesis			
a.	middle ear prosthesis			X
b.	bone anchored hearing aids			X
c.	cochlear implants			X
40	stapedectomy / stapedotomy			X
41	sacotomy			X
42	neurectomy (vestibular nerve section)			X
43	acoustic neurinoma surgery			X
44	facial nerve surgery			
a.	decompression			X
b.	grafting			X
c.	monitoring			X
45	glomus tumour surgery			X
46	petrosectomy			X
47	skull base surgery (otobasis) with reconstruction			X
48	correction of malformations			
a.	auricle		X	
b.	fistulas		X	
c.	outer ear canal			X
d.	middle ear			X
49	repair of injuries			
a.	auricle		X	
b.	outer ear canal		X	
c.	middle and inner ear including nerves, vessels and dura of the temporal bone compartment			X
50	surgery of tumours			
a.	auricle	X		
b.	outer ear canal	X		
c.	middle and inner ear including nerves, vessels and dura of the temporal bone compartment			X

Total No of procedures	1st year			2nd year			3rd year			4th year			5th year			Column 6 - Date when competency is achieved
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III. Nose and paranasal sinuses

A. Diagnostic Procedures	
a) CLINICAL EXAMINATION	
1	assessment and ethnic variation
2	aesthetic proportions of the face
3	effects of aging process
4	anterior and posterior rhinoscopy
5	endoscopy
6	microscopy
7	photography
b) TESTS OF FUNCTIONS	
8	rhinomanometry
9	acoustic rhinometry
10	olfactory tests (subjective, objective)
11	ciliary function tests
c) IMAGING	
12	ultrasound scan (a- and b-mode)
13	X-ray conventional
14	interpretation of
a.	CT-scan
b.	MR-imaging
c.	Isotope scan (szinti-scan)
d.	Angiography
d) ALLERGY INVESTIGATIONS	
15	epicutaneous allergen tests
16	intracutaneous allergen tests (Prick, Scratch)
17	nasal provocation tests
18	nasal cytology
19	eliminative tests
20	interpretation of serological tests (RAST, IgE)
B. Non-surgical Management	
21	pharmacological therapy
22	specific immunotherapy (hyposensitization)
23	anaphylaxis reaction therapy

Trainee must have knowledge and understanding of the procedure/management

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		General		Advanced
		s	i	
C. Surgical Management				
Nose				
24	local and regional anaesthesia		X	
25	control of nasal epistaxis		X	
a.	nasal packing		X	
b.	nasal cautery		X	
26	foreign body removal		X	
27	nasal polypectomy		X	
28	turbinate surgery		X	
29	reposition of nasal fractures		X	
30	incising abscesses		X	
31	septal surgery		X	
32	revision septoplasty	X		
33	septum perforation repair			X
34	closed rhinoplasty			X
35	open rhinoplasty			X
36	revision rhinoplasty			X
37	complicated rhinoplasty			X
38	augmentation rhinoplasty			X
39	cleft patient rhinoplasty			X
40	reduction rhinoplasty			X
41	rhinophyma operation			X
42	correction of malformations (e.g. choanal atresia, fistulas, dermoids, etc.)			X
43	management of immediate post-operative complications	X		
Paranasal Sinuses				
44	sinus endoscopy		X	
45	antral lavage		X	
46	endoscopic antrostomy		X	
47	radical antrostomy (Caldwell-Luc)		X	
48	frontal sinus trephination		X	
49	external frontal sinus surgery			X

PROGRESSION OF SURGICAL SKILLS																
Total No of procedures	1st year			2nd year			3rd year			4th year			5th year			Column 6 - Date when competency is achieved
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		General		Advanced
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50	external ethmoidectomy	X		
51	endonasal ethmoidectomy (endoscopic, microscopic)		X	
52	fronto-ethmoidectomy (endoscopic)	X		
53	sphenoid sinus surgery	X		
54	revision paranasal sinuses operation			X
55	closure of oro-antral fistula			X
56	ligation of maxillary or ethmoidal artery			X
57	orbital decompression procedures			X
58	dacryo-cysto-rhinostomy			X
59	management of CSF leak			X
60	tumour surgery			
a.	maxillectomy (partial, total)			X
b.	lateral rhinotomy			X
c.	midfacial degloving			X
d.	combined approach to the anterior skull base			X
e.	orbitotomy			X
f.	exenteration of orbit			X
g.	surgery of the anterior skull base (incl. osteoplastic flap, dura plasty and related techniques)			X
61	repair of injuries (traumatology)			
a.	soft tissue injuries		X	
b.	nasal fractures		X	
c.	septal haematoma		X	
d.	paranasal sinus fractures	X		
e.	fractures of orbit including blow out fracture	X		
f.	fractures of zygoma	X		
g.	optic nerve decompression			X
h.	reconstruction of the anterior skull base			X

Total No of procedures	1st year			2nd year			3rd year			4th year			5th year			Column 6 - Date when competency is achieved
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IV. Larynx. Tracheobronchial tree

A. DIAGNOSTIC PROCEDURES

a) CLINICAL EXAMINATION (*in adults and children*)

1	Indirect mirror laryngoscopy
2	Flexible endoscopic examination of larynx, trachea, bronchi, with or without washings for cytology
3	stroboscopy
4	Direct laryngoscopy with or without swabs for microbiological assessment
5	microlaryngoscopy
6	Endolaryngeal, endotracheal and endobronchial biopsy

b) INTERPRETATION OF RELEVANT IMAGING

7	ultrasound scan, plain X-Ray, CT, MRI, PET
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c) INVESTIGATIONS

8	Techniques in voice analysis
9	electromyography

B. Non-surgical Management

10	Care of the professional voice
11	Voice restoration following laryngectomy/ total laryngectomy (care of the valve prosthesis)
12	Medical management of laryngotracheal disease

		General		Advanced
		s	i	
C. Surgical Management				
13	Topical, local and regional anaesthesia		X	
14	removal of foreign bodies from larynx, trachea and bronchi		X	
15	endotracheal intubation		X	
16	Tracheotomy - tracheostomy (including percutaneous)		X	
17	closure of tracheostome		X	
18	Incision of crico-thyroid membrane		X	
19	Endolaryngeal, endotracheal and bronchial laser surgery	X		
20	surgery for unilateral cord palsy			X
21	surgery for bilateral cord palsy			X

Trainee must have knowledge and understanding of the procedure/management

	Date when knowledge is achieved	Signature
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PROGRESSION OF SURGICAL SKILLS

Total No of procedures	1st year			2nd year			3rd year			4th year			5th year			Column 6 - Date when competency is achieved
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		General		Advanced
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22	Phonosurgery (surgery for voice and speech)			
a.	Frame work surgery (thyroplasty)			X
b.	Vocal cord augmentation			X
c.	Botulinus toxin injection			X
23	Management of blunt and open laryngo-tracheal injury			X
SURGERY FOR LARYNGEAL TRACHEAL AND BRONCHIAL NEOPLASMS				
24	endolaryngeal surgery for early cancer			X
25	endolaryngeal laser surgery for tumours in upper aerodigestive tract			X
26	Laryngectomy			
a.	total			X
b.	partial			X
27	Laryngo-pharyngo-oesophagectomy with flap reconstruction or viscus interposition			X
28	Techniques for insertion of valves for voice rehabilitation	X		
29	Management of laryngo-tracheal stenosis			X
30	Tracheal and bronchial stenting			X
31	Repair of tracheo-oesophageal fistula in adults			X
LARYNGEAL TRACHEAL AND BRONCHIAL DISEASES IN CHILDREN				
32	Assessment and management of acute airway obstruction in children		X	
SURGICAL MANAGEMENT OF CONGENITAL MALFORMATIONS				
33	Supraglottic stenosis			X
34	Laryngeal web			X
35	Subglottic haemangioma			X
36	Vocal cord paralysis			X
37	Laryngeal cleft			X
38	Vascular compression			X
SURGICAL MANAGEMENT OF ACQUIRED CONDITIONS IN CHILDREN				
39	Laryngeal papilloma			X
40	Tracheal stenosis			X
41	Inhalational injury			X

Total No of procedures	1st year			2nd year			3rd year			4th year			5th year			Column 6 - Date when competency is achieved
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V. Oral Cavity. Pharynx and Oesophagus

A. DIAGNOSTIC PROCEDURES

a) CLINICAL EXAMINATION

1	inspection and palpation of oral cavity and oropharynx
2	endoscopic assessment of oral cavity, pharynx and oesophagus, with flexible and rigid endoscopes, including biopsies, preparation of swabs, washings, and related techniques.
3	gustometry
4	functional tests of swallowing disorders
5	principles of assessment and diagnosis of sleep apnoea
6	principles of speech assessment and rehabilitation

b) INTERPRETATION OF RELEVANT IMAGING

7	ultrasound scan, conventional X-Ray, OPG, CT, MRI, esophagogram
8	diagnosis and interpretation of swallowing disorders including reflux

B. Non-surgical Management

9	pharmacological therapy
10	swallowing and aspiration rehabilitation
11	non surgical treatment of sleep apnoea and roncopathy

General		Advanced
s	i	

C. Surgical Management

		s	i	Advanced
12	local and regional anaesthesia		X	
13	adenoidectomy		X	
14	tonsillectomy		X	
15	abscess tonsillectomy (hot tonsillectomy)		X	
16	arrest of tonsillar haemorrhage		X	
17	drainage of abscess			
	a. peri- and retrotonsillar		X	
	b. para- and retro-pharyngeal	X		
	c. base of tongue	X		
18	correction of malformations			
	a. lingual frenulum		X	
	b. ranula		X	
	c. cysts inclusion		X	
	d. macroglossia			X

Trainee must have knowledge and understanding of the procedure/management

	Date when knowledge is achieved	Signature
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PROGRESSION OF SURGICAL SKILLS

Total No of procedures	1st year			2nd year			3rd year			4th year			5th year			Column 6 - Date when competency is achieved
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		General		Advanced
		s	i	
19	sialendoscopy			X
20	transoral removal of salivary calculi	X		
21	transposition of salivary duct			X
22	lithotripsy			X
23	removal of foreign bodies	X		
24	surgery of pharyngeal pouch (open or endoscopic)			X
25	endoscopic biopsy and tumour staging	X		
26	pharyngostomy			X
27	closure of pharyngostoma			X
28	cricopharyngeal myotomy			X
29	surgery of injuries			
	a. simple injuries		X	
	b. complex injuries			X
TUMOUR SURGERY				
30	laser surgery of oral cavity and pharynx	X		
31	resection of the tongue			
	a. partial glossectomy	X		
	b. hemi glossectomy			X
	c. total glossectomy			X
32	reconstruction of the tongue			X
33	microvascular anastomoses			X
34	resection, osteosynthesis and reconstruction of mandible			X
35	pharyngotomy			X
36	pharyngectomy			
	a. partial			X
	b. total			X
37	surgery for tumours of the nasopharynx			X
38	surgery for tumours of the oropharynx and reconstruction			X
39	resection of the lips and plastic reconstruction			
	a. simple		X	
	b. complex	X		
40	surgery of roncopathy and obstructive sleep-apnoea disorders including radiofrequency, UPPP, LAUP	X		

Total No of procedures	1st year			2nd year			3rd year			4th year			5th year			Column 6 - Date when competency is achieved
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VI. Head and Neck and aesthetics.

A. Diagnostic Procedures and multidisciplinary approach

a) CLINICAL EXAMINATION

1 investigation of the cranial nerves

a. clinical

b. electrophysiological

2 functional tests of salivary glands

3 fine needle biopsy

b) INTERPRETATION OF RELEVANT IMAGING

4 Conventional X-RAY. OPG

5 CT, MRI Scan

6 Ultrasound and PET

7 Treatment planning

B. Non-surgical Management

8 pharmacological therapy

9 conservative treatment of wounds

10 chemo-radiation-therapy

11 application of botulinum toxin

	General		Advanced
	s	i	

C. Surgical Management

12 Topical, local and regional anaesthesia

X

13 management of wounds

a. management of wounds breakdown

X

b. management of scar tissue

X

14 management of open neck wounds

X

15 fistula care

X

Trainee must have knowledge and understanding of the procedure/management

	Date when knowledge is achieved	Signature
1		
a.		
b.		
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PROGRESSION OF SURGICAL SKILLS

Total No of procedures	1st year			2nd year			3rd year			4th year			5th year			Column 6 - Date when competency is achieved
	a	s	i	a	s	i	a	s	i	a	s	i	a	s	i	
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13																
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b.																
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		General		Advanced
		s	i	
16	removal of			
a.	branchial cysts		X	
b.	surgery of benign tumours	X		
c.	fistulae	X		
17	incision and drainage of abscess		X	
18	surgery of skin tumours			
a.	Benign skin tumours	X		
b.	Malignant skin tumours	X		
c.	Treatment of melanoma	X		
19	correction of malformations			X
REPAIR OF INJURIES				
20	management of soft tissue injuries of the lateral and middle part of the face		X	
21	combined fractures of the lateral and middle part of the face	X		
22	osteosynthesis	X		
SURGERY OF CRANIAL NERVES (N.V, Nn.VII-XII)				
23	exploration, decompression or neurolysis			X
24	plastic reconstruction			X
DISSECTION OF TUMOURS				
25	removal of cervical lymph-nodes		X	
26	neck dissection			
a.	selective neck dissection level I to III	X		
b.	selective neck dissection level I to V			X
c.	modified radical neck dissection			X
d.	radical neck dissection			X
e.	extended neck dissection			X
27	soft tissue neoplasms	X		
28	vascular tumours			X
29	neurogenic tumours			X
SURGERY OF THE SALIVARY GLANDS				
30	removal of the submandibular gland	X		
31	removal of the sublingual gland	X		
32	Removal of minor glands	X		
33	Parotidectomy			
a.	partial parotidectomy	X		
b.	suprafacial parotidectomy	X		
c.	subtotal parotidectomy			X
d.	total parotidectomy			X
e.	radical parotidectomy			X

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

Total No of procedures	1st year			2nd year			3rd year			4th year			5th year			Column 6 - Date when competency is achieved
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		General		Advanced
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SURGERY OF VESSELS				
34	preparation and ligation of vessels		X	
35	direct or indirect catheterization of the internal jugular vein			X
36	vascular grafting			X
37	microvascular anastomosis			X
SURGERY OF THE THYROID GLAND				
38	hemithyroidectomy	X		
39	total thyroidectomy			X
40	Parathyroidectomy			X
41	Level VI neck dissection			X
PLASTIC AND RECONSTRUCTIVE SURGERY				
42	limited regional sliding and rotation flaps		X	
43	free skin grafts		X	
44	extensive plastic reconstruction			
a.	myofascial flaps			X
b.	myocutaneous flaps			X
c.	microvascular flaps			X
45	facial rehabilitation			
a.	dynamic muscle flaps			X
b.	static procedures			X
c.	face-lifting procedures			X
d.	blepharoplastia procedures			X
e.	chin procedures			X
46	bone replacement			X
47	cartilage replacement			X
FACIAL PARALYSIS				
48	grading		X	
49	gold weight insertion			X
50	temporalis muscle transfer			X
51	suborbicularis oculi fat pad lift			X
52	tarsorrhaphy	X		

Total No of procedures	1st year			2nd year			3rd year			4th year			5th year			Column 6 - Date when competency is achieved
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AESTHETICS				
83	face and brow lifting including endoscopic			X
54	upper lid blepharoplasty			X
55	lower lid blepharoplasty			X
56	otoplasty		X	
57	genioplasty	X		
58	liposuction			X
59	facial resurfacing			X
60	botox			X
61	injectable and implantable materials for rhytids / lip augmentation			X
62	genioplasty / mentoplasty			X
63	hair loss			X

Total No of procedures	1st year			2nd year			3rd year			4th year			5th year			Column 6 - Date when competency is achieved
	a	s	i	a	s	i	a	s	i	a	s	i	a	s	i	
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