

SQU Hospital
Surgery Department -ENT-division
SQUH Endoscopic & Microscopic Temporal Bone Dissection Course, 2025
5-6 December 2025

Objectives:

- Understand the anatomy and physiology of the temporal bone and lateral skull Base
- Recognize the indications of endoscopic vs microscopic temporal bone surgery and its landmarks
- Orientation about the radiological finding of temporal bone in CT and MRI
- Highlight the update in management of ontological/ Neurotological diseases and tumors
- Hands –On Practical sessions on basic endoscopic and microscopic ear and lateral skull base surgery

Who Should Attend?

ENT Specialist, ENT residents, ENT interns.

Doctors: Emergency departments, Trauma Surgeon, ICU, PICU, Anesthetist, Internal medicine, GP, pediatrics, private Sectors

Nurses: ENT's nurse, Intensiveness Nurse, nurse work in Emergency Rooms, ICU, and PICU.

-Fee: lectures only: 20 OR

workshop: 350 OR

-Seats: lectures 20 seats, Practical session: only 10 seats.

-Workshop includes:

- Lectures about endoscopic & microscopic ear surgery
- Hands-On practical sessions

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5th December 2025 Day 1

Time	Topics	Learning Objectives	Teaching Methodology	Durations	Speakers
7:00-7:30	Registration				
7:30-8:00	Welcome Speech and Course Outlines			15min	Dr. Khalid Al Zaabi Consultant SQUH
8:00-08:30	Anatomy and Physiology as it relates to middle and inner ear	Clinical importance of middle and inner ear anatomy	Lecture	30 min	Dr. Khalid Al Zaabi Consultant SQUH
08:30 - 9:15	Principles and Indications of Endoscopic sinus surgery (EES)	To understand the principles of EES and recognize different indications of EES	Lecture	45 min	Prof. Mohamed Badr-Edine Sr. Consultant SQUH
09:15-10:00	How to read CT/MRI of the temporal bone	Orient about the up to date surgical and radiological landmarks	Lecture	45 min	Dr. Iman Al Ajmi Consultant SQUH
10:00-10:30	Q& A / Break				
10:30-11:00	Neuroanesthesia and Neuromonitoring during temporal bone surgery	Orientation of Neuroanesthesia and basic knowledge about Neurophysiological monitoring of facial nerve	Lecture	30 min	Prof. Stephane Ayache Consultant, France
11:00-11:30	Chronic Suppurative Otitis Media (CSOM) Classification and Management	Understand the pathophysiology and clinical aspects of CSOM	Lecture	30 min	Dr. Khalid Al Zaabi Consultant SQUH

11:30-12:00	Tympanoplasty: Types, indications, surgical landmarks and technical aspects	Understand surgical steps, disease eradication and function restoration	Lecture	30 min	Dr. Nasser Al Tamami Consultant SQUH
12:00-12:30	Pediatric otology surgical procedures: tips & pearls	Understand the principles of pediatric otology procedures and to recognize the differences from adult surgeries	lecture	30 min	Prof. Mohamed Badr-Edine Sr. Consultant SQUH
12:30-13:00	Pediatric cholesteatoma surgery: How to avoid recurrence	Learn the assessment of ear surgery in pediatric cholesteatoma cases	lecture	30	Prof. Stephane Ayache Consultant, France
13:30-14:00	Question and Answer				
14:00- 15:00	Lunch & Coffee Break				
15:00-15:30	Canal occlusion surgery: tips and pitfalls	Learn the indications, surgical steps, outcome & complications of the procedure	lecture	30	Prof. Stephane Ayache Consultant, France
15:30-16:00	Instrumentation in ear and lateral skull base surgery	Learn about different instruments used in the procedures for better understanding of the surgery steps	lecture	30	Dr. Nasser Al Tamami Consultant SQUH
16:00-18:00	Practical Workshop	Steps by steps Hands-on procedures	Video & Practical Demonstration	120 min	All team

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6th December 2025 Day 2

Time	Topics	Learning Objectives	Teaching Methodology	Durations	Speakers
7:30-8:00	Welcome Speech and Course Outlines			30 min	Organizing Team
8:00-08:30	CHL & Ossiculoplasty	Clinical Importance of middle ear anatomy and pathology	Lecture	30 min	Dr. Khalid Al Zaabi Consultant SQUH
08:43 - 9:00	Middle ear tumors Endoscopic and microscopic surgery Malignancy of temporal & different types of petrosectomy	To recognize middle ear tumor pathology and management	Lecture	30 min	Prof. Mohamed Badr-Edine Sr. Consultant SQUH
09:00-09:30	Implantable hearing devices Radiology & pre-operative evaluation	Understand radiological evaluation of patient going for implant surgery & learn how to prepare patients for surgery	lecture	30 min	Dr. Nasser Al Tamami Consultant SQUH
09:30-10:00	Implantable hearing devices Middle ear implants Cochlear implants Brain stem implants Indications & surgery	Understand the anatomy of cochlea Learn the surgical steps of different hearing implants	Lecture	30 min	Prof. Mohamed Badr-Edine Sr. Consultant SQUH
10:00-10:30	Q& A / Break				
10:30-11:00	Superior canal dehiscence syndrome Middle cranial fossa vs trans-mastoid approach	Clinical importance of vestibular system &	Lecture	30 min	Dr. Khalid Al Zaabi Consultant SQUH

		to understand surgical anatomy of vestibular system			
11:00-11:30	Vertigo & dizziness Meniere's disease management Endolymphatic sac decompression Vestibular neurectomy	Learn the management of dizziness and vertigo	Lecture	30 min	Dr. Khalid Al Zaabi Consultant SQUH
11:30-12:00	Surgical anatomy of jugular foramen	Understand tumor extension as it relates to different LSB approaches	Lecture	30 min	Prof. Stephane Ayache Consultant, France
12:00-12:30	Trans-labyrinthine approach to internal auditory canal Indications, surgical steps, tips & tricks	Understand the steps in this approach	lecture	30 min	Prof. Stephane Ayache Consultant, France
12:30-13:00	Question and Answer				
13:00-14:00	Lunch & Coffee break				
14:00-14:30	Otosclerosis & Stapes surgery	Learn the indications, surgical steps, outcome & complications of the procedure	lecture	30 min	Dr. Nasser Al Tamami Consultant SQUH
14:30-15:00	Lateral skull base (LSB) approaches	Learn the indications, surgical steps, outcome & complications of the procedure in different LSB approaches	lecture	30 min	Prof. Stephane Ayache Consultant, France
15:00- 18:00	Practical Workshop	Steps by steps procedures	Practical session	180 min	All team