

TSESI

TARABICHI - STAMMBERGER
EAR & SINUS INSTITUTE

TEACHING AND RESEARCH INSTITUTE DEDICATED TO ART
AND SCIENCE OF ENDOSCOPIC EAR AND SINUS SURGERY

21st TSESI Hands-on Cadaver Dissection Course

22 – 24
April 2024



Neuro Spinal Hospital
Dubai Science Park
Dubai - UAE



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ENDOSCOPIC SINUS SURGERY



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Mostafa Ismail

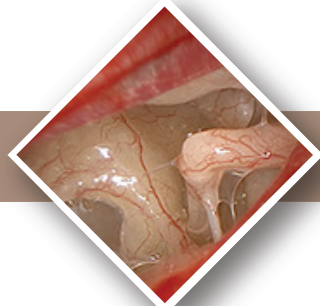
Assistant Professor
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ENDOSCOPIC EAR SURGERY



Muazz Tarabichi

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Ausaf Ahmed Khan

Professor and Head of Department
 ENT - Head and Neck Surgery
 Hamdard College of
 Medicine & Dentistry
 Pakistan

Day: 1

Endoscopic Sinus Cadaver Dissection Course

**Monday
22 April 2024**

Registration Allowed: 20

Course Director: Islam Herzallah

**Course Faculty: Renuka Bradoo, Mahdi Shkoukani, Osama Marglani,
Saied Alhabash, Hisham Wasl, Mostafa Ismail, Mustafa Kapadia**

08:00 - 08:15 Registration & Breakfast

08:15 - 08:20 Welcome & Course information

Lectures:

08:20 - 08:50 Key Sinonasal Landmarks from endoscopic & radiologic perspective

08:50 - 09:10 Anterior Ethmoidectomy & maxillary antrostomy

09:10 - 09:30 Posterior Ethmoidectomy & Sphenoidotomy: Pearls and tricks

09:30 - 09:50 Surgical approaches to sphenoid sinuses: Transnasal, transethmoidal, transethmoidal/superior turbinate bypass, transseptal

09:50 - 10:10 Extended sphenoidotomy, sphenoid landmarks and endoscopic approach to Sella turcica

10:10 - 10:30 Endoscopic identification and ligation of sphenopalatine artery

10:30 - 10:45 Coffee break

10:45 **Get into Dissection Lab**

11:00 - 11:15 **Dissection demonstration:** Endoscopic transnasal approach to the sphenoid sinus

11:15 - 11:45 **Hands on dissection:** Endoscopic transnasal approach to the sphenoid sinus

11:45 - 12:00 **Dissection demonstration:** Endoscopic identification & ligation of sphenopalatine artery

12:00 - 12:30 **Hands on dissection:** Endoscopic identification & ligation of sphenopalatine artery

12:30 - 13:30 Lunch break

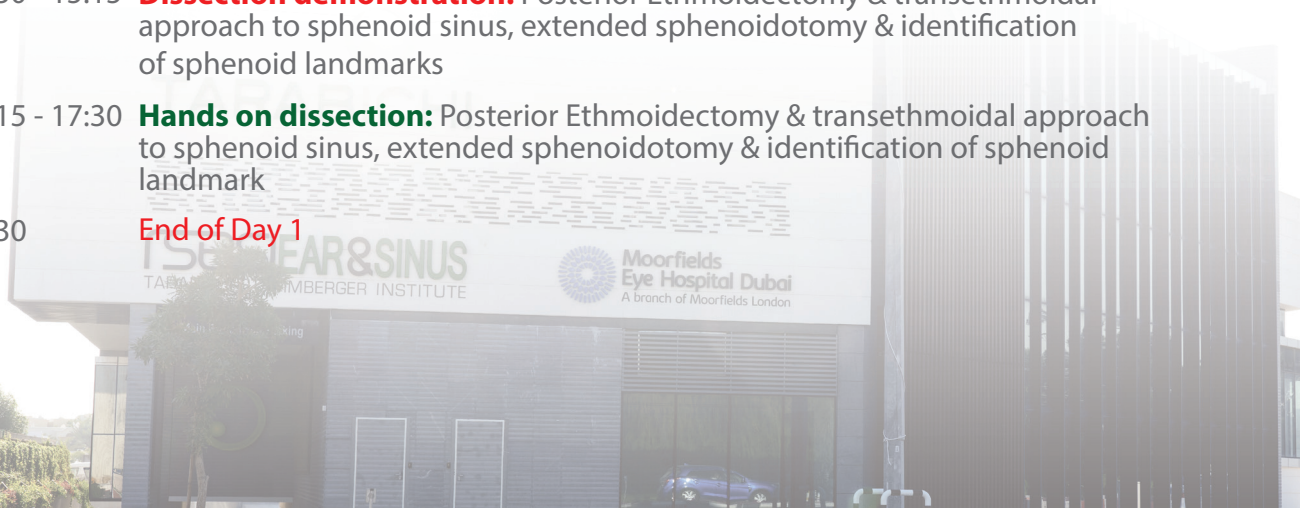
13:30 - 13:50 **Dissection demonstration:** Anterior Ethmoidectomy & maxillary antrostomy

13:50 - 14:30 **Hands on dissection:** Anterior Ethmoidectomy & maxillary antrostomy

14:30 - 15:15 **Dissection demonstration:** Posterior Ethmoidectomy & transethmoidal approach to sphenoid sinus, extended sphenoidotomy & identification of sphenoid landmarks

15:15 - 17:30 **Hands on dissection:** Posterior Ethmoidectomy & transethmoidal approach to sphenoid sinus, extended sphenoidotomy & identification of sphenoid landmark

17:30 **End of Day 1**



Day: 2 Endoscopic Sinus Cadaver Dissection Course

Tuesday
23 April 2024

Registration Allowed: 20

Course Director: Islam Herzallah

**Course Faculty: Renuka Bradoo, Mahdi Shkoukani, Osama Marglani,
Saied Alhabash, Hisham Wasl, Mostafa Ismail, Mustafa Kapadia**

08:00 - 08:20 Registration & Breakfast

Lectures:

08:20 - 08:50 Understanding anatomy and variations of frontal recess and frontal sinus & endoscopic approaches (Draf types I & II)

08:50 - 09:10 When and how to perform a Draf Type III procedure ("Endoscopic Modified Lothrop", "Drillout Procedure", "Median Drainage")

09:10 - 09:30 Endoscopic dacryocystorhinostomy (DCR)

09:30 - 09:50 Endoscopic medial maxillectomy

09:50 - 10:10 Endoscopic pre-lacrimal & modified Denker's approach

10:10 - 10:30 Endoscopic orbital and optic nerve decompression

10:30 Coffee break

11:00 **Get into Dissection Lab**

11:00 - 11:30 **Dissection demonstration:** Endoscopic clearance of skull base & endoscopic frontal sinus approaches (Draf types I & II)

11:30 - 12:30 **Hands on dissection:** Endoscopic clearance of skull base endoscopic, frontal sinus approaches (Draf types I & II)

12:30 - 13:30 Lunch break

13:30 - 14:00 **Dissection demonstration:** Endoscopic Draf III & Modifications

14:00 - 15:00 **Hands on dissection:** Endoscopic Draf III

15:00 - 15:15 **Dissection demonstration:** Endoscopic dacryocystorhinostomy (DCR)

15:15 - 16:00 **Hands on dissection:** Endoscopic dacryocystorhinostomy (DCR)

16:00 - 16:15 **Dissection demonstration:** Endoscopic orbital & optic Nerve Decompression

16:15 - 17:30 **Hands on dissection:** Endoscopic orbital & optic Nerve Decompression + Medial Maxillectomy

17:30 **End of Sinus Dissection Course and distribution of certificates**



Day: 3 Endoscopic Ear Hands on Cadaver Dissection Course

Wednesday
 24 April 2024

Registration Allowed: 20

Course Director: Muaaz Tarabichi

Faculty: Baher Ashour, Mustafa Kapadia, Tamer Ebaied, Ausaf Ahmed Khan

- 08:00 - 08:30 Registration & Breakfast
- 08:30 - 09:15 Endoscopic anatomy of Middle ear and beyond
- 09:15 - 09:30 Getting started in Endoscopic Ear surgery
- 09:30 - 09:45 Tips & Tricks in Endoscopic Ear Surgery
- 09:45 - 10:00 Coffee break
- 10:00 - 11:00 Endoscopic Ear dissection demonstration
- 11:00 - 13:30 **Get into Dissection Lab for Batch 1**
- 13:00 - 14:30 Lunch Break

14:30 - 17:00 **Get into Dissection Lab for Batch 2**

Step to be followed during Endoscopic dissection of the Middle Ear

- Initial evaluation of individual strengths and weaknesses during Endoscopic ear surgery
- Surgical Installation for endoscopic ear dissection
- Endoscopic inspection of the EAC, cleaning of the ear canal.
- Outline the vascular strip.
- Removal of canal skin along with the epithelial layer of TM.
- Enlargement of the ear canal.
- Elevation of the annulus up to 3 and 9 o'clock
- Separate the remnant of the TM from the malleus handle and umbo.
- Take down the bony annulus posteriorly to gain full access to the facial recess and sinus tympani.
- Take down any "inferior overhang" and enlarge the access to the inferior retrotympanum and hypotympanum, next inspect the hypotympanum.
- Perform limited atticotomy with meticulous care.
- Proceed with removing the whole scutum including the lateral incudo-malleal folds, and expose the whole incus along with the malleus head.
- Mobilize the incus to expose the articular facet with malleus and stapes. Then, proceed with disarticulating the stapes and malleus from the incus.
- Next, transect the neck of the malleus at a relatively superior level in order to preserve the anterior malleal ligament and the tensor tympani tendon.
- Transect the tensor tympani tendon and remove the malleus handle.
- Using a curette or a drill, if available, attempt to slowly remove the bony encasement of the facial nerve, starting with the horizontal segment and following the nerve proximally and distally into the first and second genus.

17:00 **End of Ear Dissection Course and distribution of certificates**

