

Practical course in

# MICROSURGERY OF THE ANTERIOR AND LATERAL SKULL BASE

Cape Town, February 24-27, 2025



THE SOUTH AFRICAN SOCIETY OF OTORHINOLARYNGOLOGY  
HEAD AND NECK SURGERY

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Cape ENT courses

In collaboration with:



# General information

## OBJECTIVES

- Practising microsurgical bimanuell anterior and lateral skull base procedures on cadavers (one specimen for 2 participants)
  - 3D video presentation or live presentation of each step of dissection
- improving anterior skull base dissection skills in permanent bimanuell technique as a team approach
  
- Discussion of clinical cases

## COURSE DIRECTORS

Marc Merven  
Elnemarie Burden  
Johan Grobbelaar

## GUEST FACULTY

Thomas Linder	Lucerne – Switzerland
Christoph Schlegel	Lucerne – Switzerland
Daniel Simmen	Zurich – Switzerland

## LOCAL FACULTY

Gerrie Moolman  
Darlene Lubbe  
Louis Hofmeyr  
James Loock  
Tashneem Harris  
Iain Butler  
Gary Kroukamp  
Chris Quitter  
Jacques Viljoen  
Duane Mol  
Johan Grobbelaar  
David Roytowski

## TECHNICAL ASSISTANCE

### COURSE LOCATION

Sunskill Lab  
Fisan Building, 4<sup>th</sup> Floor  
Stellenbosch University  
Faculty of Medicine and Health Sciences  
Francie Van Zyl Street  
Parow  
Cape Town

### COURSE OFFICE

Course contact:

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# PROGRAM Monday, February 24<sup>th</sup>, 2025

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08:00 Registration

## Microscopic Lateral Skull Base Surgery

### Subtotal Petrosectomy

08:30 3D Video Introduction

09:30 **Dissection (right side)**

- Closure of EEC
- Identification of facial nerve in the parotid
- Subtotal Petrosectomy

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12:45 Lunch

### Infratemporal Fossa Approach Type A

13:30 Introduction and 3D video

14:15 **Dissection (right side)**

- Infratemporal Fossa Approach Type A

16:00 Discussion and surgical 3D video

17:00 End of the day

19:00 – **Course Dinner**  
22:00

## PROGRAM Tuesday, February 25<sup>th</sup>, 2025

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### **Infratemporal Fossa Approach Type A (cont.)**

08:30 Introduction and 3D video

09:00 ***Dissection (right side)***  
- Infratemporal Fossa Approach Type A

### **Masseteric - Facial Nerve Anastomosis**

10:30 Introduction and 3D video

11:00 ***Dissection (left side)***  
- Masseteric Nerve Identification

12:30 Lunch (provided)

### **Infratemporal Fossa Approach Type B/ Translabyrinthine Approach**

Introduction and 3D video

14:00 ***Dissection (left side)***  
- Infratemporal Fossa Approach Type B  
-Translabyrinthine Approach

16:00 Discussion and surgical 3D video

17:00 End of the day

# PROGRAM Wednesday, February 26<sup>th</sup>, 2025

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## Endoscopic Anterior Skull Base Approaches

08:30 Introduction

09:30 **Dissection**

- Endoscopic Septoplasty
- Mononostril transethmoid-transnasal approach to the central skull base

12:30 Lunch

13:30 Introduction

14:00 **Dissection**

- Frontal sinus - Median drainage procedure
- Transcribriforme - transplanar approach

16:00 Discussion and clinical cases

17:00 End of the day

19:00 –  
22:00 **Course Dinner**

# PROGRAM Thursday, February 27<sup>th</sup>, 2025

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## Endoscopic Anterior Skull Base Approaches

08:30 Introduction

09:30

### ***Dissection***

- Extended sphenoidotomy and transclival approach

12:30 Lunch

13:30 Introduction

14:00

### ***Dissection***

- Prelacrimal window approach
- Endoscopic modified medial maxillectomy
- Pterygoplatatine and infratemporal fossa approach

16:00 Discussion and clinical cases

17:00 End of the day

# PROGRAM Friday, February 28<sup>th</sup>, 2025

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- 08:00      **Lectures/Case Discussion Lateral Skull Base**
- Endoscope – Microscope – or Exoscopes
  
  - Subtotal Petrosectomy
  - Genetics of Paragangliomas
  - Vestibular and Facial Nerve Schwannomas
  - Implantable Hearing Devices
    - o An Overview
    - o Indications and Challenges
- 09:45      Coffee
- 10:00      **Lectures/Case Discussion Anterior Skull Base**
- Prelacrimal window approach, pterygopalatine and infratemporal fossa
  - Evolution in endoscopic anterior skull base surgery
  - Management of the bloody surgical field in endoscopic sinus and skull base surgery
  - Reconstruction in anterior skull base surgery
  - The role of multiportal surgery
  - Tips and tricks for a good transsphenoidal pituitary access
  - Clinical Cases and Discussions
- 11:45      Course feedback
- 12:00      End of the Course