CRANIAL BASE SURGERY COURSE
“A 360 DEGREE PERSPECTIVE”
HANDS-ON WORKSHOP
MARCH 12-14
2020

COURSE DIRECTORS

OSWALDO A. HENRIQUEZ, MD, FACS
NELSON OYESIKU, MD, PHD, FACS
GUSTAVO PRADILLA, MD, FAANS
ARTURO SOLARES, MD
ESTHER VIVAS, MD

EMORY UNIVERSITY SCHOOL OF MEDICINE
FACULTY OFFICE BUILDING
49 JESSE HILL JR DRIVE SE
ATLANTA, GA 30303

To register online visit, https://form.jotform.com/8304424529
2151, or to register via your smartphone scan the QR Code to the left

If you have any questions or concerns, please contact Brittney Bettison at
bbetti2@emory.edu or (404)778-1398
Course Description
Ongoing advances in conventional microscopy, skull base endoscopy and recent developments in exoscopic techniques, as well as robotic-assisted visualization, have increased the enthusiasm for complex skull base techniques. Coupled with advanced pre-operative and intraoperative imaging capabilities our ability to tackle complex skull base pathologies continues to expand. Practicing neurosurgeons, ENT surgeons, and residents in training have incorporated some of these techniques in their surgical practice and have expressed an interest in these technical advances and their impact on operative technique and complication avoidance and management.

This three-day course will be conducted by skull base ENT and neurosurgeons who will address the theoretical basis of traditional skull base microsurgical techniques, discuss advanced expanded endoscopic techniques, introduce the concept of robotic-assisted exoscopic visualization and advanced neuro-imaging planning and navigation, and review case and technique selection as well as complication avoidance and management. Bioskills workshop sessions will be used to simulate procedures in a hands-on laboratory setting using preserved and injected cadaveric specimens.

Course attendees will have the benefit of expert colleagues providing lectures and videos illustrating the theoretical basis of the techniques presented, proctored dissections by the faculty and individual mentored dissections using state of the art technology. Additional instruction will be available for those attendees who would like to increase their understanding of white matter anatomy, MR-tractography, and DTI based neuronavigation and their use in port-based subcortical surgery. To allow the greatest educational experience, maximum enrollment in this course will be limited to 28 participants.

Intended Audience
This hands-on workshop is designed for neurosurgery and otolaryngology medical providers at various stages of their careers including residents, fellows, attendings and neurosurgery team members, including nurse practitioners and physician assistants.

Objectives
Upon completion of the workshop, participants should be able to:
Discuss the anatomical basis of open and endoscopic skull base techniques, and describe the basic principles of microscopic, endoscopic, and exoscopic technique selection.
Increase technical proficiency in a cadaveric setting and describe complication avoidance principles in skull base surgery
Describe advanced skull base reconstructive techniques and management strategies for neuro-vascular injuries in skull base approaches.
Understand the role of pre-operative DTI planning and robotic-assisted visualization in skull base approaches.

Course Date and Location
All lecture and workshop sessions will be held on Emory's School of Medicine Grady campus: 49 Jesse Hill Jr Drive SE, Atlanta, GA 30303 from Thursday, March 12 to Saturday, March 14, 2020. Lectures will be in the Faculty Office Building on the 1st floor. The hands-on workshops will be held in Woodruff Ext Building 46 Armstrong Street Rm 217/221
Registration
To register online, visit https://form.jotform.com/83044245292151. A maximum enrollment of 28 participants has been set so early registration is encouraged. Fees include the use of dissection labs, course syllabus, refreshment breaks, dinner on Thursday evening and complimentary transportation to and from the hotel. A letter of confirmation will be sent upon registration for the course.

Registration Fees:
Physicians $1,200.00
Residents/Others $650.00

Cancellation Policy
Written cancellations received by February 1, 2020, will be refunded minus an administrative fee of $100. No refunds will be made after February 15, 2020.

Travel and Lodging Accommodations
Atlanta Marriott Marquis
265 Peachtree Center Ave NE
Atlanta, GA 30303

Phone: 1-866-469-5475
Website: https://book.passkey.com/e/50027294

Atlanta Marriott Marquis is offering hotel rooms for attendees and their guests at the following group rates plus applicable taxes.

King: $177.00 per night
Double Queen: $177.00 per night

In order to receive the special rate, identify yourself as a participant of the “Emory University Skull Base Workshop”. Reservations must be made by Wednesday, February 12, 2020 or before the room block is filled, whichever comes first. There is limited guest room availability at the special rates; early reservations are based on availability. The standard hotel reservations cancellation policy will apply to all reservations. Attendees are responsible for their own reservations. Guests receive complimentary in-room internet service. Rooms are limited so we encourage early booking.

You may also wish to view www.atlanta.net for additional accommodations as well as recreation and leisure activities.

Emory University is not responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the meeting. Costs incurred by the registrant such as airline or hotel fees or penalties are the responsibility of the registrant.

Transportation
Transportation will be provided by Uber, utilizing our course discount code that will be given prior to arrival.
Social Programs
Welcome Reception – Thursday, March 12, 2020

On Thursday evening, after the day’s educational activities, join us for an evening at ________________ for dinner and the opportunity for informal discussion with the program faculty. Transportation to and from dinner will be provided utilizing the course discount code within Uber from The Westin Peachtree Plaza Atlanta.

Course Directors
Oswaldo A. Henriquez, MD, FACS
Nelson Oyesiku, MD, PhD, FACS
Gustavo Pradilla, MD, FAANS
Arturo Solares, MD
Esther Vivas, MD

Faculty
Daniel Barrow, MD
Christopher Deibert, MD
John DelGaudio, MD
Douglas Mattox, MD

Guest Faculty

Giovanni Danesi, MD
Director, Neurosciences Department
Director, Operative Unit of Otolaryngology and Skull Base Microsurgery
Otolaryngology - Head and Neck Surgery

Dr. Giovanni Danesi has a large record of surgeries in the field of deafness and ear surgery, skull base surgery, oncologic and endoscopic surgery. He refined his specialization in otologic and neurootologic microsurgery targeted to the middle ear and chronic otitis media and to the benign and malignant skull base tumors. He has publications on national and international journals and he’s constantly invited as keynote and invited lecturer at scientific meetings worldwide.
Enrique Iturriaga, MD

Director, Rhinology and Skull Base Center
Medical Director, Medtronic ENT

Enrique Iturriaga, MD studied medicine at Universidad Central Venezuela. He did Fellowships of Endoscopic Sinus Surgery and Skull base in France, Germany, and the United States. Former ex-President of several national and international Scientific Societies and co-coauthor of multiple scientific articles in the area of Rhinology. Dr. Iturriaga is also a continuous speaker at multiple conferences and courses in Rhinology and Skull Base.

Piero Nicolai, MD

Professor/Chairman, Otorhinolaryngology, Head and Neck Surgery Unit
Director, Department of Surgical Specialties, Radiologic Sciences and Public Health at the University of Brescia (Italy)

Dr. Piero Nicolai received his MD degree at the University of Padua where he also completed his residency program in Otolaryngology and subsequently in Medical Oncology. His clinical and research activities are mainly focused on head and neck oncology and endoscopic sinus and skull base surgery. Dr. Nicolai is an active member of several medical societies: Società Italiana di Otorinolaringologia e Chirurgia Cervico-Facciale, Societa Italiana del Basicranio, European Skull Base Society, American Academy of Otolaryngology, Head and Neck Surgery, European Rhinologic Society, European Laryngological Society, American Head and Neck Society, American Rhinologic Society, American Laryngological Association, Cartesian Society, European Academy of Oto-Rhino-Laryngology, Head and Neck Surgery, Associazione Italiana Oncologia Cervico Cefalica and Italian Academy of Rhinology. He is currently serving as Secretary of the European Academy of Oto-Rhino-Laryngology, Head and Neck Surgery and as Member of the Executive Committee of the European Skull Base Society.
Ong Yew Kwang, MD

Clinical Director & Senior Consultant, Department of Otolaryngology - Head & Neck Surgery (ENT) NUH
Assistant Professor, Yong Loo Lin School of Medicine

Dr. Ong Yew Kwang obtained his MBBS (Honours) from Trinity College Dublin, Ireland in 1998. He entered Otolaryngology training in Singapore in 2002, during which he obtained the Diploma in Otolaryngology Head & Neck Surgery (DOHNS) (Lon), MRCS (Edin) and Master of Medicine (ORL). He completed his training in 2008 and was a gold medalist in the exit examination. In 2009, he pursued a year of clinical fellowship in endoscopic skull base surgery at the University of Pittsburgh Medical Centre under Dr. Carl Snyderman and Dr. Ricardo Carrau. His training was in complex sinus and skull base surgeries in collaboration with neurosurgeons. Following that, he also spent a mini-fellowship in functional rhinoplasty under Dr. Yong Yu Jang at Asan Medical Center, Seoul. To date, he remains the only fellowship-trained skull base surgeon in Otolaryngology in Singapore.

Marité Palma Díaz, MD

Otolaryngology, Neurotologist & Skull Base Surgeon Permanent Staff Resident Physician/Professor, Neuro Otology
Deputy Professor, Fellow Program of Skull Base Surgery at the National Institute of Neurology and Neurosurgery.

Dr. Marité Palma Díaz has been part of the staff of surgeons of the Neurological Center of the “American British Cowdray Medical Center” (Centro Medico ABC Santa Fe), in Mexico City, a member of the Mexican Society of Otolaryngology and Head and Neck Surgery AC, and Diploma Professor of Endoscopic Nose and Paranasal Sinuses Surgery at the “Hospital Angeles Lomas”.

Ong Yew Kwang, MD

Clinical Director & Senior Consultant, Department of Otolaryngology - Head & Neck Surgery (ENT) NUH
Assistant Professor, Yong Loo Lin School of Medicine

Dr. Ong Yew Kwang obtained his MBBS (Honours) from Trinity College Dublin, Ireland in 1998. He entered Otolaryngology training in Singapore in 2002, during which he obtained the Diploma in Otolaryngology Head & Neck Surgery (DOHNS) (Lon), MRCS (Edin) and Master of Medicine (ORL). He completed his training in 2008 and was a gold medalist in the exit examination. In 2009, he pursued a year of clinical fellowship in endoscopic skull base surgery at the University of Pittsburgh Medical Centre under Dr. Carl Snyderman and Dr. Ricardo Carrau. His training was in complex sinus and skull base surgeries in collaboration with neurosurgeons. Following that, he also spent a mini-fellowship in functional rhinoplasty under Dr. Yong Yu Jang at Asan Medical Center, Seoul. To date, he remains the only fellowship-trained skull base surgeon in Otolaryngology in Singapore.
Gabriel Zada, MD, MS, FAANS, FACS

Associate Professor of Neurosurgery, Otolaryngology, & Internal Medicine
Associate Residency Program Director, Keck School of Medicine of USC Department of Neurosurgery

Dr. Gabriel Zada is a board certified neurosurgeon and nationally recognized expert in brain and pituitary tumor surgery as well as a variety of endoscopic and minimally invasive neurosurgical techniques. He has a keen clinical and academic interest in brain and skull base tumor surgery, and has published over 100 peer-reviewed articles on various neurosurgical topics, mostly relating to brain and pituitary tumors as well as endoscopic skull base surgery. He authored and edited the textbook entitled “The Atlas of Sellar and Parasellar Lesions”. He directs a comprehensive neuro-endoscopic program including endoscopic skull base/pituitary surgery, exoscopic channel (BrainPath) surgery, and intraventricular neuro-endoscopy. He co-directs the USC Radiosurgery Center and performs both Gamma Knife and CyberKnife Radiosurgery.
Thursday, March 12 - Day 1

7:00-8:30A Registration & Continental Breakfast/Welcome & Course Overview
8:30-9:30 Sphenoethmoidectomy/Maxillary Antrostomy/Frontal Sinus Drill Out
9:30-11:00 Endoscopic Skull Base Anatomy - Enrique Iturriaga

Prosection/Supervised Dissections*

11:00-12:00P Pedicled Flaps - Jose Gurrola*
12:00-12:45 Lunch Lecture: Endoscopic Pituitary Surgery - Nelson Oyesiku
12:45-1:15 Endoscopic Resection of Craniopharyngiomas - Gabriel Zada*
1:15-2:00 Transtuberculum/Transplanum/Transcribiform - Gabriel Zada*
2:00-3:00 Orbital Decompression - Oswaldo Henriquez*
3:00-4:00 Endoscopic Craniofacial Resection - Piero Nicolai*

Prosection/Supervised Dissections*

4:00-5:00P Additional Lab Session

Anatomical Dissection: Intranasal Landmarks; Middle Turbinates; Septal Mucosal Flap; Sphenoidotomy; Sella; Suprasellar/Transplanum Approach; Ethmoidectomy; Medial Orbital Decompression; Frontal Sinusotomy (Draf 3 Procedure); Craniofacial Resection

7:30P Welcome Dinner

Friday, March 13 - Day 2

8:00-8:30A Continental Breakfast
8:30-9:30 Sinonasal Malignancies - Piero Nicolai

Prosection/Supervised Dissections*

9:30-10:30 Transclival Approach - Arturo Solares*
10:30-12:00P Transpterygoid approach/Medial Maxillectomy/Denker's, ITF - Ong Yew Kwang
12:00-1:00 Lunch Lecture: Managing Clival Pathology - Giovanni Danesi

Prosection/Supervised Dissections*

1:00-2:00 Craniocervical Junction - Gabriel Zada*
2:00-5:00 Additional Lab Session

Anatomical Dissection (Complete as needed): Transclival, Transpterygoid, Medial Maxillectomy, Denker's, Infratemporal Fossa, Cranio-cervical junction

5:00P Adjourn
SATURDAY, MARCH 14 - DAY 3

8:00-8:30A  Continental Breakfast
8:30-9:30    Building A Skull Base Program - Ong Yew Kwang*
9:30-11:00   Transorbital Approaches - Enrique Iturriaga*

Prosection/Supervised Dissections*

11:00-12:00P  Cranio-Orbito-Zygomatic - Gustavo Pradilla*
12:00-1:00    Lunch Lecture: Lateral Skull Base Experience Base in Mexico - Marité Palma Díaz

Prosection/Supervised Dissections*

1:00-2:00     Transpetrous Approaches - Giovanni Danesi*
2:00-5:00     Additional Lab Session

Anatomical Dissection: Transpetrous, Subfrontal, COZ

5:00P         Closing Remarks

Carotid Injury Simulation Station - Simultaneous with all dissections - proctored by Gabriel Zada, MD

All participants will be exposed to an active bleeding cadaver and will undergo dedicated coaching on salvage strategies and best practices.