November 1-3, 2019
Columbus, Ohio

State-of-the-Art Endoscopic Skull Base Surgery
A HANDS-ON COURSE

THE OHIO STATE UNIVERSITY COMPREHENSIVE CANCER CENTER – JAMES CANCER HOSPITAL AND SOLOVE RESEARCH INSTITUTE

COURSE DIRECTORS
Ricardo L. Carrau, MD
Alexander A. Farag, MD
Douglas A. Hardesty, MD
Bradley A. Otto, MD
Daniel M. Prevedello, MD

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The James

THE OHIO STATE UNIVERSITY
WEXNER MEDICAL CENTER
COURSE DESCRIPTION
Responding to the increased familiarity with endonasal endoscopic skull base surgery, we have modified the program to start at a higher level of expertise, and to promote discussions related to treatment algorithms of specific diseases. However, we recognize the value of refreshing basic concepts; and that our course caters to participants with a variety of levels of training and experience. Therefore, we will provide the participants with a series of video-lectures and video-prosections to fulfill these needs. This video-lecture series will allow the participants to enjoy the benefits of both a traditional lecture-style course based on anatomic and technical concepts, and a course with a new interactive format emphasizing decision-making and disease-oriented discussions. Participants will in fact enroll in two courses, a home study course and the hands-on course without additional costs.

The course comprises:
1. Pre-course video-lectures addressing the basic principles of endoscopic skull base surgery, anatomy of the sinonasal tract and skull base, and basic surgical technique and instrumentation. These will be provided to registered participants one month prior to the course, as the program will start at a level that presumes familiarity with these principles.

2. Anatomical prosections (videos will be provided one month prior to the course).

3. Laminated dissection manual (a digital version will be provided one month prior to the course)

4. Sequence of complementary didactic lectures, round tables and panel discussions (open format with audience participation), 3-D anatomical reviews and hands-on cadaveric dissection.

5. Live surgery will be transmitted directly to the auditorium where the participants may interact with the surgeons and other members of the faculty.

COURSE OBJECTIVES
At the conclusion of this activity, learners should be able to:
1. Describe the anatomic relationships of the sinonasal tract, orbit and ventral skull base from the endoscopic perspective

2. Discuss the indications and limitations of endoscopic endonasal surgery of the skull base, pituitary fossa, orbit and craniocervical junction

3. Identify how to avoid and treat complications of endoscopic endonasal surgery of the skull base, pituitary fossa, orbit and craniocervical junction

4. Describe the anatomic relationships and surgical exposure afforded by the transpterygoid approach

5. Describe the relative anatomical exposures of the endonasal versus the open traditional approaches

6. Identify how to avoid and treat complications of endoscopic skull base surgery

TARGET AUDIENCE
Neurosurgeons, otolaryngologists-head and neck surgeons and other skull base surgeons who are interested in learning endoscopic endonasal surgery of the skull base, pituitary fossa, orbit and craniocervical junction.
FACULTY COURSE DIRECTORS

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Patrick Youssef, MD
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Chairman, Department of Neurological Surgery
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Kyle VanKooevering, MD
Assistant Professor
Department of Otolaryngology-Head & Neck Surgery
University of Michigan • Ann Arbor, Michigan
AGENDA

One month before the course, we will provide all registered participants with the following lectures in a video format. Participants will be responsible to watch these videos and be familiar with the material. The course will start at a level that assumes familiarity with the concepts exposed in the videos.

**Pre-course** Principles of Expanded Endoscopic Endonasal Approaches

**Pre-course** The Sinonasal Corridor

**Pre-course** Anatomy of the Sinonasal Tract & Skull Base (Extradural)

**Pre-course** Anatomy of the Cranial Nerves and Cerebral Circulation (Extradural)

**Pre-course** Reconstruction of the Skull Base: From Free Grafting to Vascularized Flaps

**Pre-course** Sagittal Plane EEA Modules I: Trans-sellar, Trans-planum, and Trans-cribiform

**Pre-course** Practical Approach to Imaging of the Cranial Base

**Pre-course** Endovascular Approach: How I Can Get You Out of Trouble (even deep, deep... trouble)

**Pre-course** Sagittal Plane Modules II: Trans-clival, Trans-odontoid

**Pre-course** Trans-orbital Endonasal Approaches

**Pre-course** Endoscopic Anterior Skull Base Resection for Sinonasal Malignancy: Principles and Outcomes

**Pre-course** Anatomical Basis for the Transpterygoid Approaches

**Pre-course** Coronal Plane Modules

In addition, we will provide copies of the prosection videos, a dissection manual in PDF format, and references. Although not critical, we encourage the participants to go over this material before the course.

**FRIDAY, NOVEMBER 1, 2019 – DAY 1**

6:45 am Registration and Continental Breakfast – Polaris Ballroom

7:15 Welcome – Russell Lonser, James Rocco

Course Overview – Ricardo Carrau, Bradley Otto, Daniel Prevedello, Alexander Farag, Douglas Hardesty

7:30 Round Table: Preoperative Planning: Diagnostic and Interventional Imaging

Patrick Youssef, Luciano Prevedello

9:00 Round Table: Optimizing the Surgical Corridors and Adjunctive Technology

Demicha Rankin, Alexander Farag, Patrick Walz

Interactive Panel All Faculty & Attendees

10:00 Break

10:30 Round Table: Sellar Lesions - Cysts and Intrasinellar Adenomas, Extended Approaches, Endocrine for Surgeons

Luma Ghalib, Amin Kassam, Douglas Hardesty

Interactive Panel All Faculty & Attendees

11:30 360-Degree Minimally Invasive Skull Base and Brain Surgery – Amin Kassam

12:15 pm Lunch

12:45 Presentation of the Case – Bradley Otto & Luciano Prevedello

1:00 Live Surgery – Ricardo Carrau, Daniel Prevedello

Commentary: Bradley Otto, Amin Kassam, Douglas Hardesty, Alexander Farag, Leo Ditzel, Kyle VanKoevering

4:00 Anatomical Dissection-Lab 1

Ricardo Carrau, Bradley Otto, Daniel Prevedello, Alexander Farag, Douglas Hardesty

Surgical Simulation Models for ICA Injury, CSF Leaks, Pediatric/Non-pneumatized Sphenoid – Kyle VanKoevering, Patrick Walz, Fellows

Anatomical Prosection: The Sagittal Plane: The Nasoseptal Flap and Trans-sellar Approach

(Optional recommended for those attending lectures only)

6:30 End of Day 1

7:00-8:30 Welcome Reception
SATURDAY, NOVEMBER 2, 2019 – DAY 2

7:00 am  Continental Breakfast – Polaris Ballroom

7:45  3-D Endoscopic Skull Base Anatomy: The Sagittal Plane I – Daniel Prevedello

8:30  Challenges in Reconstruction of the Skull Base – Bradley Otto, Patrick Walz, Matthew Old
Interactive Panel All Faculty & Attendees

9:30  Round Table: Endoscopic Resection of Craniopharyngiomas: Ophthalmological and Endocrinological Considerations – Raymond Cho, Amin Kassam, Leo Ditzel, Douglas Hardesty
Interactive Panel All Faculty & Attendees

11:00  3-D Endoscopic Skull Base Anatomy: The Sagittal Plane II – Daniel Prevedello

11:45  Lunch

12:15 pm  Future Advances in Skull Base Surgery – Amin Kassam

1:00  Anatomical Dissection-Lab 2
Ricardo Carrau, Bradley Otto, Daniel Prevedello, Alexander Farag, Douglas Hardesty
Surgical Simulation Models for ICA Injury, CSF Leaks, Pediatric/Non-pneumatized Sphenoid
Kyle VanKoevering, Patrick Walz, Fellows
Anatomical Prosection: Sagittal Plane II – Trans-planum, Trans-cribiform
(Optional recommended for those attending lectures only)

6:15  End of Day 2

7:00-10:00  Course Dinner-Cantina Laredo-8791 Lyra Dr. (within walking distance from the Hilton)

SUNDAY, NOVEMBER 3, 2019 – DAY 3

7:00 am  Continental Breakfast – Polaris Ballroom

7:30  3-D Endoscopic Skull Base Anatomy: Coronal Plane – Daniel Prevedello

8:15  Round Table: When the First Chance is the Best and Maybe the Only Chance: Endoscopic Treatment of Malignancies and Complex Lesions
Raymond Cho, Ricardo Carrau, Matthew Old
Interactive Panel All Faculty & Attendees

9:15  Round Table: Chordomas and Chondrosarcomas
Daniel Prevedello
Interactive Panel All Faculty & Attendees

10:00  Break

10:20  Round Table: Adjuvant Radiation Therapy
Dukagjin Blakaj, Joshua Palmer

11:00  Prevention and Management of Complications Optimizing QOL
Ricardo Carrau
Interactive Panel All Faculty & Attendees

11:30  Lunch

12:00 pm  New Technologies: Robotic Applications in Skull Base Surgery – Enver Ozer

12:30  Panel: Dilemmas with Meningiomas of the Anterior Cranial Base: Endonasal or Transcranial
Moderator: Daniel Prevedello
Interactive Panel All Faculty & Attendees

1:15  Anatomical Dissection-Lab 3
Ricardo Carrau, Bradley Otto, Daniel Prevedello, Alexander Farag, Douglas Hardesty
Surgical Simulation Models for ICA Injury, CSF Leaks, Pediatric/Non-pneumatized Sphenoid
Kyle VanKoevering, Patrick Walz, Fellows
Anatomical Prosection: Trans-clival, Trans-nasal Odontoidectomy
Anatomical Prosection: Trans-orbital Approaches
Anatomical Prosection: Transpetrous Approaches & Infratemporal Fossa and Extranasal Reconstructive Flaps
(Optional recommended for those attending lectures only)

7:00  Course Adjourns
COURSE LOCATION AND HOTEL ACCOMMODATIONS

Hilton Columbus/Polaris
8700 Lyra Drive • Columbus, Ohio 43240 • Polaris Ballroom
For hotel accommodations, call 1-614-885-1600 or 1-888-864-8055.

Mention “Endoscopic Skull Base Surgery Course” (Group Code: ENDOSK) to get a special rate of $152 per night plus taxes. Cutoff date to get the special rate is September 30, 2019. Self-Parking at the Hilton Columbus/Polaris is complimentary.

DIRECTIONS FROM PORT COLUMBUS INT’L AIRPORT TO HILTON COLUMBUS/POLARIS:
From Port Columbus International Airport (CMH) slight left at International Gateway, merge I-670 East to Cleveland/Wheeling. Merge I-270 North. Merge I-71 North to Cleveland. Exit 121 to Polaris Pkwy. Turn left off exit. Right at Lyra Dr.

Distance from Hotel: 15 miles Drive Time: 30 min.

AIRPORT TRANSPORT OPTIONS
Taxi: 40.00 USD approx.

AIRPORT SHUTTLE: Hilton’s complimentary airport shuttle service is available from 6:00 am to 10:00 pm Monday through Friday. Weekend shuttle hour availability varies. To serve you best, we ask that you call the hotel at (614) 885-1600 and indicate your flight number, arrival time and cell phone number 24 hours in advance of your estimated time of arrival to schedule your pick up. Please call the hotel once you land at the airport. Pick up is at the designated shuttle area, located outside of Baggage Claim. The hotel is located about 30 minutes from the airport.

ATTIRE
Business Casual. You are welcome to bring your own scrubs. We will provide disposable gowns for the lab portion. Dress warmly, as rooms must be kept at 60° F.

LOCAL AIRPORT
John Glenn Columbus International Airport-CMH

ACCREDITATION STATEMENT
The Ohio State University Center for Continuing Medical Education (CCME) is accredited by the Accreditation Council for Continuing Medical Education (ACCME®) to provide continuing medical education for physicians.

AMA CREDIT DESIGNATION STATEMENT
The Ohio State University Center for Continuing Medical Education designates this live activity for a maximum of 30.75 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

In accordance with the Americans with Disabilities Act, The Ohio State University seeks to make sure this conference is accessible to all. If you have a disability that might require special accommodations, please contact Pat Fitzwater at 805-300-9154.
CANCELLATIONS
Cancellations must be received in writing by August 1, 2019 and will be subject to a $500 processing fee. No refunds will be given after that date. Academic Event Management reserves the right to cancel, discontinue or reschedule this program at any time and will assume no financial obligation to the registrants in the event of a cancellation. In case of cancellation, registration fees will be refunded in full.

PAYMENT
Check enclosed payable to: Academic Event Management
Visa       MasterCard       Discover       American Express
Card Number                Expiration

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Pre-course Video-Lectures
Day 1-Principles of Expanded Endoscopic Endonasal Approaches
Day 1-The Sinonasal Corridor
Day 1-Anatomy of the Sinonasal Tract & Skull Base (Extradural)
Day 1-Anatomy of the Cranial Nerves and Cerebral Circulation (Extradural)
Day 1-Reconstruction of the Skull Base: From Free Grafting to Vascularized Flaps
Day 1-Sagittal Plane EEA Modules I: Trans-sellar, Trans-planum, and Trans-cribiform

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