October 20-22, 2017
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, FACS
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

Ricardo L. Carrau, MD, FACS
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Somasundaram Subramaniam

Research Fellows
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Ana Melgarejo
Alaa Montaser
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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, 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.

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**F R I D A Y, O C T O B E R 2 0, 2 0 1 7 – D A Y 1**

6:45 am **Registration and Continental Breakfast**

7:15 **Welcome** – Russell Lonser, Theodoros Teknos

**Course Overview** – Ricardo Carrau, Bradley Otto, Daniel Prevedello.

7:30 **Round Table: Preoperative Planning: Diagnostic and Interventional Imaging**
Luciano Prevedello, Patrick Youssef

Interactive Panel All Faculty & Attendees

9:00 **Round Table: Optimizing the Surgical Corridors and Adjunctive Technology**
Sergio Bergese, Alexander Farag

Interactive Panel All Faculty & Attendees

10:00 **Break**

10:30 **Challenges in Reconstruction of the Skull Base**
Bradley Otto, Matthew Old

Interactive Panel All Faculty & Attendees

11:30 **Lunch**

12:00 pm **3-D Endoscopic Skull Base Anatomy: The Sagittal Plane I** – Daniel Prevedello

12:45 **Round Table: Sellar Lesions – Cysts and Intrasellar Adenomas, Extended Approaches, Endocrine for Surgeons** – Luma Ghalib, Daniel Prevedello

Interactive Panel All Faculty & Attendees

1:45 **Lab 1**

**Guidelines for Dissection**

**Anatomical Dissection**

1:45 **Anatomical Prosection: The Sagittal Plane: The Nasoseptal Flap and Trans-sellar Approach** (Optional-Recommended for Those Attending Lectures Only)
Ricardo Carrau, Bradley Otto, Daniel Prevedello

6:30 **End of Day 1**

7:00-8:30 **Welcome Reception**
SATURDAY, OCTOBER 21, 2017 – DAY 2

7:00 am Continental Breakfast
7:45 Presentation of the Surgery Case – Bradley Otto, Luciano Prevedello
8:15 Live Surgery – Ricardo Carrau, Daniel Prevedello
Commentary: Bradley Otto, Somasundaram Subramaniam
11:00 360-Degree Minimally Invasive Brain Surgery: Current Concepts and Practical Advances
11:45 Lunch
12:15 pm Lunch Lecture: 3-D Endoscopic Skull Base Anatomy: The Sagittal Plane II – Daniel Prevedello
12:45 Round Table: Endoscopic Resection of Craniopharyngiomas: Ophthalmological and Endocrinological Considerations
Daniel Prevedello
Interactive Panel All Faculty & Attendees
1:30 Panel: Dilemmas with Meningiomas of the Anterior Cranial Base: Endonasal or Transcranial
Moderator: Daniel Prevedello
Interactive Panel All Faculty & Attendees
2:30 Lab 2
Guidelines for Dissection
Anatomical Dissection
2:30 Anatomical Prosection: Sagittal Plane II – Trans-planum, Trans-cribiform
(Optional-Recommended for Those Attending Lectures Only)
Ricardo Carrau, Bradley Otto, Daniel Prevedello
6:15 End of Day 2
7:00-10:00 Course Dinner

SUNDAY, OCTOBER 22, 2017 – DAY 3

7:00 am Continental Breakfast
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
Matthew Old, Ricardo Carrau
Interactive Panel All Faculty & Attendees
9:15 Round Table: Chordomas and Chondrosarcomas
Daniel Prevedello
Interactive Panel All Faculty & Attendees
9:45 Break
10:00 Round Table: Adjuvant Radiation Therapy
Aashish Bhatt, Dukagjin Blakaj
10:45 Prevention and Management of Complications Optimizing QOL
Ricardo Carrau
Interactive Panel All Faculty & Attendees
11:30 Lunch
12:30 pm New Technologies: Robotic Applications in Skull Base Surgery – Enver Ozer
1:00 Lab 3
Guidelines for Dissection
Anatomical Dissection
1:00 Anatomical Prosection: Trans-clival, Trans-nasal Odontoidectomy
(Optional-Recommended for Those Attending Lectures Only)
Ricardo Carrau, Bradley Otto, Daniel Prevedello
Anatomical Prosection: Trans-orbital Approaches – Ricardo Carrau, Bradley Otto, Daniel Prevedello
Anatomical Prosection: Transpetrous Approaches & Infratemporal Fossa and Extranasal
Reconstructive Flaps – Ricardo Carrau, Bradley Otto, Daniel Prevedello
7:30 Course Adjourns
COURSE LOCATION

Biomedical Research Tower
Building 112
460 W. 12th Ave
Columbus, Ohio 43210

HOTEL ACCOMMODATIONS

Courtyard by Marriott
780 Yard Street
Columbus, OH 43212
www.marriott.com/cmhwg

For hotel accommodations, call 1-888-797-1886.
Mention “Endoscopic Surgery Course” (group name) to get a special rate of $127 per night plus taxes.
Cutoff date to get the special rate is September 22, 2017. Self-Parking and Guestroom Wi-Fi at the Courtyard by Marriott are complimentary.

Hotel directions: 8.3 miles SW from John Glenn Columbus International Airport - CMH
Take exit 3 to merge onto W Goodale Street toward Neil Avenue. Merge onto W Goodale Street. Turn left at Neil Avenue. Turn right onto W Goodale Street. Turn right onto Yard Street. Hotel will be on the right.

AIRPORT TRANSPORT OPTIONS
Taxi: 25.00 USD approx. one way.
The Courtyard by Marriott hotel does not provide shuttle service.

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 60º 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 31 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ACKNOWLEDGEMENT
This course is supported in part by educational grants from the following companies at press time: KARL STORZ Endoscopy-America, KLS Martin Group, Medtronic, NICO Corporation, Stryker.

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, 2017 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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Day 1-The Sinonasal Corridor
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