

May 23-26, 2013 ■ 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

GUEST FACULTY

Amin B. Kassam, MD, FRCS(c)
James J. Evans, MD
Marc R. Rosen, MD
Philip V. Theodosopoulos, MD
Lee A. Zimmer, MD, PhD

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**The
James**

**NCI
CCC**

A Comprehensive Cancer
Center Designated by the
National Cancer Institute

COURSE DESCRIPTION

This is a comprehensive course that will thoroughly cover current indications, limitations and surgical techniques for endoscopic endonasal surgery of the skull base, pituitary fossa, orbit and craniocervical junction. Our faculty will present the technical nuances and technological requirements of these surgeries, using a modular anatomical system that can be translated to the dissection laboratory. Current indications, advantages, limitations and outcomes will be discussed.

The course comprises a sequence of complementary didactic lectures, prosections, 3-D anatomical reviews and hands-on cadaver dissection. A live surgical demonstration 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, *Professor*
Department of Otolaryngology-Head and Neck Surgery*

Bradley A. Otto, MD, *Assistant Professor*
Department of Otolaryngology-Head and Neck Surgery*

Daniel M. Prevedello, MD, *Associate Professor*
Department of Neurological Surgery*

THE OHIO STATE UNIVERSITY FACULTY

Amit Agrawal, MD, *Associate Professor*
Department of Otolaryngology-Head and Neck Surgery*

Claudia Kirsch, MD, *Associate Professor of Neuroradiology and Otolaryngology**

Matthew Old, MD, *Assistant Professor*
Department of Otolaryngology-Head and Neck Surgery*

Enver Ozer, MD, *Associate Professor*
Department of Otolaryngology-Head and Neck Surgery*

Eric Sauvageau, MD, *Associate Professor*
Department of Neurological Surgery*

David E. Schuller, MD, *Professor*
Department of Otolaryngology – Head and Neck Surgery*

Theodoros N. Teknos, MD, *Professor*
Department of Otolaryngology-Head and Neck Surgery*

*OSUCCC–James
Columbus, Ohio

ASSOCIATE FACULTY

Clinical Fellows

Leo Ditzel Filho, MD

Mihir Patel, MD

Research Fellows

Yusuf Burak Kapuçu, *Coordinator*

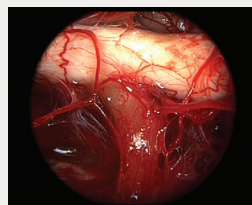
Ramazan Gun, MD

Jun Muto, MD

Kenichi Oyama, MD

Liang Wang, MD

Ahmed Youseff, MD



GUEST FACULTY

Amin B. Kassam, MD, FRCS(c) *Professor and Chief of Neurosurgery*
University of Ottawa, Ottawa, Ontario Canada

James J. Evans, MD, *Associate Professor*
Departments of Neurological Surgery and Otolaryngology
Director of Cranial Base and Pituitary Surgery
Thomas Jefferson University
Philadelphia, Pennsylvania

Marc R. Rosen, MD, *Professor*
Otolaryngology-Head and Neck Surgery and Neurological Surgery
Thomas Jefferson University
Philadelphia, Pennsylvania

Philip V. Theodosopoulos, MD, *Associate Professor*
Department of Neurosurgery
Director, Division of Skull Base Surgery
University of Cincinnati Medical Center, Cincinnati, Ohio

Lee A. Zimmer, MD, PhD, *Associate Professor*
Department of Otolaryngology-Head and Neck Surgery
University of Cincinnati Medical Center, Cincinnati, Ohio

AGENDA

THURSDAY, MAY 23, 2013 – DAY 1

- 6:45 am **Registration and Continental Breakfast**
- 7:15 **Welcome** – *D. Bradley Welling*
Course Overview – *Ricardo Carrau, Bradley Otto, Daniel Prevedello*
- 7:30 **Principles of Expanded Endoscopic Endonasal Approaches** – *Amin Kassam*
- 8:00 **The Sinonasal Corridor** – *Ricardo Carrau, Bradley Otto*
- 9:00 **Practical Approach to Imaging of the Cranial Base** – *Claudia Kirsch*
- 9:30 **Break**
- 10:00 **Endovascular Approach: How I Can Get You Out of Trouble (even deep, deep, deep...trouble)** – *Eric Sauvageau*
- 10:40 **Reconstruction of the Skull Base: From Free Grafting to Vascularized Flaps** – *Ricardo Carrau*
- 11:20 **Round Table: Creation and Evolution of a Skull Base Surgery Center**
Presenters: Lee Zimmer, Marc Rosen
Immediately followed by interactive panel including all faculty & attendees
- 11:55 **Round Table: Overcoming Obstacles: Challenging Corridors and Defects**
Presenters: Lee Zimmer, Marc Rosen
Immediately followed by interactive panel including all faculty & attendees
- 12:30 pm **Lunch**
- 1:00 **3-D Endoscopic Skull Base Anatomy: The Sagittal Plane I**
Daniel Prevedello
- 1:30 **Sagittal Plane EEA Modules I: Trans-sellar, Trans-planum, and Trans-cribiform** – *Daniel Prevedello*
- 2:00 **Lab 1**
Anatomical Prosection: The Sagittal Plane: Reconstructive Endonasal Flaps and Trans-sellar – *Ricardo Carrau, Bradley Otto, Daniel Prevedello*
- 2:45 **Anatomical Dissection**
- 6:30 **End of Day 1**
- 6:45-8:30 **Welcome Reception**

FRIDAY, MAY 24, 2013 – DAY 2

- 7:00 am **Continental Breakfast**
- 7:30 **Sagittal Plane Modules II: Trans-clival, Trans-odontoid** – *Amin Kassam*
- 8:15 **Live Surgery** – *Ricardo Carrau, Daniel Prevedello*
Commentary: James Evans, Amin Kassam, Bradley Otto, Marc Rosen, Philip Theodosopoulos, Lee Zimmer
- 11:00 **Lunch**
- 11:30 **Lunch Lecture: 3-D Endoscopic Skull Base Anatomy: The Sagittal Plane II**
Daniel Prevedello
- 12:00 pm **360-Degree Minimally Invasive Brain Surgery: Concepts & Practical Approach** – *Amin Kassam*
- 12:30 **Round Table: Endoscopic Resection of Craniopharyngiomas: Ophthalmological and Endocrinological Considerations**
Presenters: James Evans, Philip Theodosopoulos
Immediately followed by interactive panel including all faculty & attendees

FRIDAY, MAY 24, 2013 – DAY 2 Continued

- 1:00 **Dilemmas Regarding Surgical Management of Anterior Cranial Base –omas: Endonasal or Transcranial**
Presenters: James Evans & Philip Theodosopoulos
Immediately followed by interactive panel including all faculty & attendees
- 2:00 **Lab 2**
Anatomical Prosection: Sagittal Plane II – Trans-planum, Trans-cribiform
Ricardo Carrau, Bradley Otto, Daniel Prevedello
- 2:45 **Anatomical Dissection**
- 6:15 **End of Day 2**
- 7:00-10:00 **Course Dinner and Honored Guest Lecture: Ohio State University's New Cancer Hospital: A Unique Design – David Schuller**

SATURDAY, MAY 25, 2013 – DAY 3

- 7:45 am **Continental Breakfast**
- 8:15 **3-D Endoscopic Skull Base Anatomy: Coronal Plane – Daniel Prevedello**
- 8:45 **Endoscopic Anterior Skull Base Resection for Sinonasal Malignancy: Principles and Outcomes – Matthew Old**
- 9:15 **Anatomical Basis for the Transpterygoid Approaches – Ricardo Carrau**
- 9:45 **Coronal Plane Modules – Daniel Prevedello**
- 10:30 **Break**
- 11:00 **Round Table: When the First Chance is the Only Chance: Endoscopic Treatment of Malignancies and Complex Lesions**
Presenters: Marc Rosen, Philip Theodosopoulos
Immediately followed by interactive panel including all faculty & attendees
- 12:00 pm **Lunch**
- 12:30 **Lunch Lecture: Robotic Applications in Skull Base Surgery – Enver Ozer**
- 1:00 **Lab 3**
Anatomical Prosection: Trans-clival, Trans-nasal Odontoidectomy
Ricardo Carrau, Bradley Otto, Daniel Prevedello
- 1:30 **Anatomical Prosection: Trans-orbital Approaches**
Ricardo Carrau, Bradley Otto, Daniel Prevedello
- 2:00 **Anatomical Dissection**
- 6:00 **End of Day 3**

SUNDAY, MAY 26, 2013 – DAY 4

- 7:00 am **Continental Breakfast**
- 7:30 **Trans-orbital Endonasal Approaches – Bradley Otto**
- 8:00 **Round Table: Outcomes after EEA: QOL & Cost-effectiveness**
Presenters: Lee Zimmer, Marc Rosen
Immediately followed by interactive panel including all faculty & attendees
- 8:30 **Round Table: Prevention and Management of Complications**
Presenters: Ricardo Carrau, Marc Rosen, Lee Zimmer
Immediately followed by interactive panel including all faculty & attendees
- 9:30 **Lab 4**
Prosection: Transpteros Approaches & Infratemporal Fossa and Extranasal Reconstructive Flaps – Ricardo Carrau, Bradley Otto, Daniel Prevedello
- 10:00 **Anatomical Dissection**
- 1:00 pm **Adjourn**

COURSE LOCATION & HOTEL ACCOMMODATIONS

Hilton Columbus at Easton

3900 Chagrin Drive • Columbus, OH 43219



For hotel accommodations, call (614) 414-5000, 800-HILTONS or (800) 445-8667. Mention "Endoscopic Skull Base Surgery Course" to get a special rate of \$169 per night plus taxes. Cutoff date to get the special rate is 5-1-13. Self Parking at the hotel is free. Valet Parking \$10 per day.

DIRECTIONS TO THE HOTEL FROM THE AIRPORT

www.hiltoncolumbus.com/Location/mapanddirections.aspx

Directions from CMH to Hotel and Easton Town Center

Head North on 3rd street to 670 East to 270 North take exit #33 (Easton). Left at the top of the ramp onto Easton Way. Through two lights. Take first right after second light onto Chagrin Drive. Right into hotel front entrance. Parking surrounds

Airport Transport Options

Hilton Airport Shuttle: Complimentary shuttle service operates 7 days a week from 6 am to 10:30 pm.

Limousine: Minimum charge is approximately \$45

Taxi: Minimum charge is approximately \$25 one way

Local Airport

Port Columbus International Airport (CMH)

- Distance from hotel: 4 mi.
- Drive time: 10 min.

Attire

Business casual. Please bring your own scrubs. We will provide disposables only. Dress warmly, as rooms must be kept at 60° F.

ACCREDITATION STATEMENT

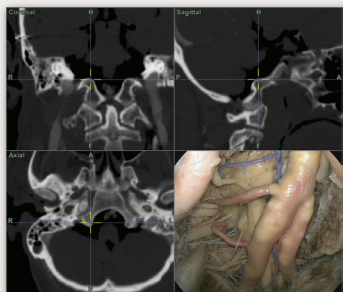
The Ohio State University Center for Continuing Medical Education (CCME) is accredited by the Accreditation Council for Continuing Medical Education (ACCME®) to provide continuing medical education for physicians.

AMA CREDIT DESIGNATION STATEMENT

The Ohio State University Center for Continuing Medical Education designates this live activity for a maximum of 34.5 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: Stryker, KARL STORZ Endoscopy-America, Medtronic, KLS Martin Group, NICO Corporation.



REGISTRATION

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TUITION: \$3,000 Lectures and Lab • \$5,000 Team of 2 • \$1,500 Didactic Only

SPACE IS LIMITED! Please print clearly.

SPECIALTY

DEGREE

NAME (FIRST, MIDDLE, LAST)

ADDRESS

CITY

PROVINCE/STATE

POSTAL/ZIP CODE

(AREA CODE) BUSINESS PHONE

(AREA CODE) BUSINESS FAX

EMAIL

DIETARY RESTRICTIONS

PAYMENT

- Check enclosed payable to: Academic Event Management
- Visa MasterCard Discover American Express

Card Number

Expiration

Signature

CANCELLATIONS

Cancellations must be received in writing by March 23, 2013 and will be subject to a \$200 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.

Send completed enrollment form to: **Academic Event Management**

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PHONE

805.300.9154

MAIL

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