

October 6-9, 2011 ■ Columbus, Ohio

## 1ST ENDOSCOPIC SKULL BASE SURGERY COURSE

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

### COURSE DIRECTORS

Ricardo L. Carrau, MD  
Bradley A. Otto, MD  
Daniel M. Prevedello, MD

### GUEST FACULTY

Amin B. Kassam, MD  
Henry W. S. Schroeder, MD, PhD

SPONSORED BY



# The James

Ohio State is a Comprehensive Cancer Center  
designated by the National Cancer Institute



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.

## ACCREDITATION STATEMENT

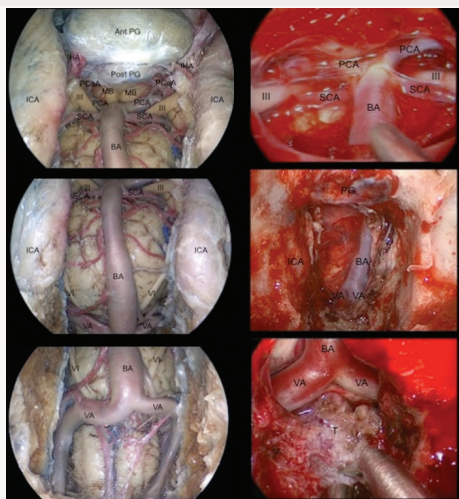
The Ohio State University Medical Center, Center for Continuing Medical Education (CCME) is accredited by the Accreditation Council for Continuing Medical Education (ACCME®) to provide continuing medical education for physicians.

## AMA CREDIT DESIGNATION STATEMENT

The Ohio State University Medical Center, Center for Continuing Medical Education designates this live activity for a maximum of 34.75 *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, Medtronic Surgical Technologies, KLS Martin Group, NICO Corporation



# FACULTY

## COURSE DIRECTORS

**Ricardo L. Carrau, MD, FACS**

*Professor*

Department of Otolaryngology-

Head & Neck Surgery

OSUCCC - James

Columbus, Ohio

**Daniel M. Prevedello, MD**

*Assistant Professor*

Department of Neurological

Surgery

OSUCCC - James

Columbus, Ohio

**Bradley A. Otto, MD**

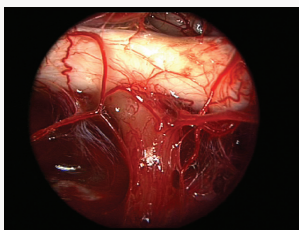
*Assistant Professor*

Department of Otolaryngology-

Head & Neck Surgery

OSUCCC - James

Columbus, Ohio



## THE OHIO STATE UNIVERSITY FACULTY

**Mario Ammirati, MD, MBA**

*Professor of Neurosurgery*

*and Radiation Oncology*

Department of Neurosurgery

OSUCCC - James

Columbus, Ohio

**Matthew Old, MD**

*Assistant Professor*

Department of Otolaryngology-

Head & Neck Surgery

OSUCCC - James

Columbus, Ohio

**Steven Katz, MD**

*Associate Professor of*

*Ophthalmology*

Neuro-Ophthalmology Director

OSUCCC - James

Columbus, Ohio

**Enver Ozer, MD**

*Associate Professor*

Department of Otolaryngology-

Head & Neck Surgery

OSUCCC - James

Columbus, Ohio

## FELLOWS

**Leo Ditzel Filho, MD**

**Tariq Lamki, MD**

**Danielle de Lara, MD**

**Rodrigo C. Mafaldo, MD**

## GUEST FACULTY

**Amin B. Kassam, MD**

*Professor*

Division of Neurosurgery

University of Ottawa

Ottawa, Ontario

Canada

**Henry W.S. Schroeder, MD, PhD**

*Professor and Chairman*

Department of Neurosurgery

Ernst Moritz Arndt University

Sauerbruchstr, Germany

# AGENDA

## THURSDAY, OCTOBER 6, 2011 – DAY 1

- 7:00 am Registration & Continental Breakfast
- 7:45 **Welcome**  
*D. Bradley Welling, E. Antonio Chioocca*
- Course Overview**  
*Ricardo Carrau, Daniel Prevedello, Bradley Otto*
- 8:00 **Level I Approaches (Sinonasal Surgery) and Pertinent Anatomy**  
*Bradley Otto*
- 8:45 **Principles of Expanded Endoscopic Endonasal Approaches**  
*Daniel Prevedello*
- 9:30 **The Sinonasal Corridor**  
*Ricardo Carrau*
- 10:00 Break
- 10:30 **Reconstruction of the Skull Base and Beyond: From Free Grafting to Vascularized Flaps**  
*Ricardo Carrau*
- 11:15 **Sagittal Plane Modules I: Approaches to the Sella and Parasellar Regions**  
*Bradley Otto*
- 11:45 **Lunch Lectures**  
**Endonasal Endoscopic Pituitary Surgery**  
*Henry Schroeder*
- Sagittal Plane Modules I: Trans-sellar, Trans-planum, and Trans-cribiform**  
*Daniel Prevedello*
- 1:15 pm **Endoscopic Anterior Skull Base Resection for Sinonasal Malignancy Principles and Outcomes**  
*Matthew Old*
- 1:45 **Lab 1 – Anatomical Prosection: The Sagittal Plane: Trans-sellar**  
*Bradley Otto, Daniel Prevedello*
- 3:00 **Anatomical Dissection**
- 5:45 End of Day 1

## FRIDAY, OCTOBER 7, 2011 – DAY 2

- 7:00 am Continental Breakfast
- 7:45 **Sagittal Plane Modules II: Trans-clival, Trans-odontoid**  
*Amin Kassam*
- 8:30 **Live Surgery**  
*Ricardo Carrau, Daniel Prevedello, Bradley Otto*
- 11:30 **Lunch Lecture**  
**Expanded Endonasal Approaches – The Greifswald Experience**  
*Henry Schroeder*
- 12:30 pm **3-D Endoscopic Skull Base Anatomy: The Sagittal Plane I**  
*Daniel Prevedello, Ricardo Carrau, Bradley Otto*
- 1:30 **Lab 2 – Anatomical Prosection: Sagittal Plane II – Trans-planum, Trans-cribiform**  
*Bradley Otto, Daniel Prevedello*

## FRIDAY, OCTOBER 7, 2011 – DAY 2

- 2:30 **Anatomical Dissection**
- 6:00 End of Day 2
- 7:00-10:00 **Course Dinner and Invited Guest Lectures**  
**Meningiomas of the Median Skull Base: A Personal Paradigm**  
*Henry Schroeder*
- 360-Degree Minimally Invasive Brain Surgery –  
Concepts & Practical Approach**  
*Amin Kassam*
- TBA**  
*Mario Ammirati*

## SATURDAY, OCTOBER 8, 2011 – DAY 3

- 7:30 am Continental Breakfast
- 8:00 **Anatomical Basis for the Transpterygoid Approaches**  
*Ricardo Carrau*
- 9:00 **Coronal Plane Modules**  
*Daniel Prevedello*
- 10:00 **Trans-orbital Endonasal Approaches**  
*Bradley Otto, Steven Katz*
- 10:30 Break
- 11:00 **3-D Endoscopic Skull Base Anatomy: The Sagittal Plane II**  
*Daniel Prevedello, Ricardo Carrau, Bradley Otto*
- 12:00 pm **Lunch Lecture**  
**Robotic Applications in Skull Base Surgery**  
*Enver Ozer*
- 1:00 **Lab 3 – Anatomical Prosection: Trans-clival, Trans-nasal Odontoidectomy**  
*Bradley Otto, Daniel Prevedello*
- 2:00 **Anatomical Prosection: Trans-orbital Approaches**  
*Ricardo Carrau, Bradley Otto, Steven Katz*
- 2:30 **Anatomical Dissection**
- 6:00 End of Day 3

## SUNDAY, OCTOBER 9, 2011 – DAY 4

- 7:30 am Continental Breakfast
- 8:00 **Prevention and Management of Neurosurgical Complications**  
*Amin Kassam*
- 8:30 **3-D Endoscopic Skull Base Anatomy: Coronal Plane**  
*Daniel Prevedello, Ricardo Carrau, Bradley Otto*
- 9:00 **Lab 4 – Prosection: Transpetrous Approaches & Infratemporal Fossa**  
*Ricardo Carrau, Daniel Prevedello*
- 10:00 **Dissection**
- 12:30 pm Adjourn

## COURSE LOCATION



Center of Science and Industry  
333 West Broad Street Gallery 3-Level 2  
Columbus, OH 43215  
614-629-3116  
Parking is \$5 per day

## HOTEL ACCOMMODATIONS



DoubleTree Guest Suites Columbus Downtown  
50 South Front Street  
Columbus, OH 43215

For hotel accommodations, call 614-228-4600 or 800-222-8733. Mention "OSU Endoscopic Skull Base Surgery Course" (group code OSU) to get a special rate of \$115 per night plus taxes. Cut off date to get the special rate is September 21, 2011. Parking at the hotel is \$15 per day.

## DIRECTIONS TO THE HOTEL FROM THE AIRPORT

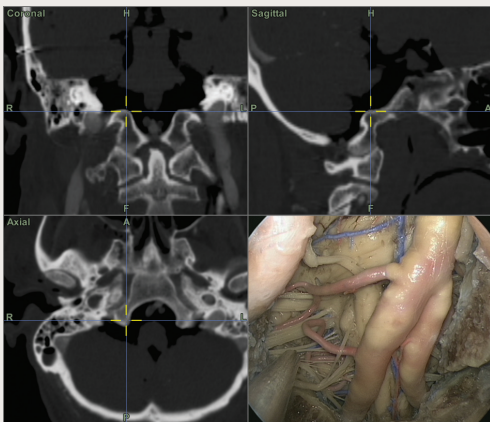
Port Columbus Intl - Take the International Gateway and merge onto I-670 west. Take the 3rd Street exit and stay in the right lane. Turn right onto State Street and continue until it dead ends. Turn right onto Front Street and the hotel is on the right.

Local taxis available (approx. one way charge is \$24)  
614-236-4444 or Van/Limo at 614-856-1000.

## LOCAL AIRPORT

Port Columbus  
International Airport

- Distance from hotel: 12 mi.
- Drive time: 15 min.



# REGISTRATION

## COURSE LOCATION



Center of Science and Industry  
333 West Broad Street Gallery 3-Level 2  
Columbus, OH 43215

**TUITION:** \$3,000 Lectures and Lab • \$1,500 Didactic Only

**SPACE IS LIMITED! Please print clearly.**

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SPECIALTY \_\_\_\_\_ DEGREE \_\_\_\_\_

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NAME (FIRST, MIDDLE, LAST) \_\_\_\_\_

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ADDRESS \_\_\_\_\_

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CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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(AREA CODE) BUSINESS PHONE \_\_\_\_\_ (AREA CODE) BUSINESS FAX \_\_\_\_\_

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EMAIL \_\_\_\_\_

### PAYMENT

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

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Card Number \_\_\_\_\_ Expiration \_\_\_\_\_

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Signature \_\_\_\_\_

### CANCELLATIONS

Cancellations must be received in writing by August 15, 2011 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**

**ONLINE**  
www.academiceventmanagement.com  
**FAX**  
805.494.1103

**PHONE**  
805.300.9154  
**MAIL**  
1396 Rancho Lane  
Thousand Oaks, CA 91362

