

October 25-28, 2012 ■ 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)
Daniel F. Kelly, MD
C. Arturo Solares, MD
Philip V. Theodosopoulos, MD
Lee A. Zimmer, MD, PhD

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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, *Assistant Professor*
Department of Neurological Surgery*

THE OHIO STATE UNIVERSITY FACULTY

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

Mario Ammirati, MD, MBA, *Professor of Neurosurgery and Radiation Oncology*, Department of Neurosurgery*

Steven Katz, MD, *Associate Professor of Ophthalmology*
*Neuro-Ophthalmology Director**

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*

Ali Rezai, MD, *Professor*
Department of Neurological Surgery*

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

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

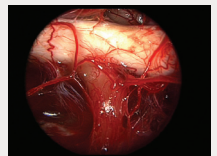
ASSOCIATE FACULTY

Leo Ditzel Filho, MD

Danielle de Lara, MD

Pornthep Kasemsiri, MD

*OSUCCC-James
Columbus, Ohio



GUEST FACULTY

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

Daniel F. Kelly, MD, *Director, Brain Tumor Center*
Saint John's Health Center, John Wayne Cancer Institute
Santa Monica, California

C. Arturo Solares, MD, *Director, Skull Base Center, Assistant Professor*
Department of Otolaryngology-Head and Neck Surgery
Georgia Health Sciences University, Augusta, Georgia

Philip V. Theodosopoulos, MD, *Associate Professor 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, OCTOBER 25, 2012 – DAY 1

- 7:00 am **Registration and Continental Breakfast**
- 7:30 **Welcome**
D. Bradley Welling, Ali Rezai
Course Overview
Ricardo Carrau, Bradley Otto, Daniel Prevedello
- 7:45 **Principles of Expanded Endoscopic Endonasal Approaches**
Amin Kassam
- 8:15 **The Sinonasal Corridor**
Ricardo Carrau, Bradley Otto
- 9:15 **Practical Approach to Imaging of the Cranial Base**
Claudia Kirsch
- 9:45 **Break**
- 10:15 **Interventional Radiology: How I Can Get You Out of Trouble (Even Deep, Deep, Deep... Trouble)** *Eric Sauvageau*
- 10:45 **Reconstruction of the Skull Base: From Free Grafting to Vascularized Flaps**
Ricardo Carrau
- 11:30 **Graded Reconstruction of Skull Base Defects**
Daniel Kelly
- 12:00 pm **Lunch**
- 12:30 **3-D Endoscopic Skull Base Anatomy: The Sagittal Plane I**
Daniel Prevedello
- 1:15 **Endonasal Endoscopic Pituitary Surgery: The UC Experience**
Lee Zimmer, Philip Theodosopoulos
- 1:45 **Sagittal Plane EEA Modules I: Trans-sellar, Trans-planum, and Trans-cribiform**
Daniel Prevedello
- 2:15 **LAB 1 – Anatomical Prosection: The Sagittal Plane: Reconstructive Endonasal Flaps and Trans-sellar**
Bradley Otto, Daniel Prevedello
- 3:00 **Anatomical Dissection**
- 6:00 **End of Day 1**
- 6:45-8:45 **Welcome Reception**

FRIDAY, OCTOBER 26, 2012 – DAY 2

- 7:00 am **Continental Breakfast**
- 7:30 **Maximizing Pituitary Gland Function in Pituitary and Parasellar Surgery**
Daniel Kelly
- 8:15 **Live Surgery**
Ricardo Carrau, Daniel Prevedello **Commentary:** *Amin Kassam, Daniel Kelly, Claudia Kirsch, Bradley Otto, C. Arturo Solares, Philip Theodosopoulos, Lee Zimmer*
- 11:00 **Lunch**
- 11:30 **Endoscopic Anterior Skull Base Resection for Sinonasal Malignancy: Principles and Outcomes**
Matthew Old
- 12:00 pm **Sagittal Plane Modules II: Trans-clival, Trans-odontoid**
Amin Kassam
- 1:00 **3-D Endoscopic Skull Base Anatomy: The Sagittal Plane II**
Daniel Prevedello

FRIDAY, OCTOBER 26, 2012 – DAY 2

- 1:30 **Lab 2 – Anatomical Prosection: Sagittal Plane II – Trans-planum, Trans-cribiform**
Ricardo Carrau, Bradley Otto, Daniel Prevedello
- 2:30 **Anatomical Dissection**
- 6:00 **End of Day 2**
- 7:00-10:00 **Course Dinner and Lecture**
Advances in Functional Neurosurgery
Ali Rezai

SATURDAY, OCTOBER 27, 2012 – DAY 3

- 7:30 am **Continental Breakfast**
- 8:00 **3-D Endoscopic Skull Base Anatomy: Coronal Plane**
Daniel Prevedello
- 8:30 **Anatomical Basis for the Transpterygoid Approaches**
Ricardo Carrau
- 9:15 **Coronal Plane Modules**
Daniel Prevedello
- 10:00 **360 Degree Minimally Invasive Brain Surgery – Concepts & Practical Approach**
Amin Kassam
- 10:40 **Break**
- 11:00 **ROUND TABLE: Expanded Endonasal Approaches: How and Why I Do It Differently (Presentation of Cases)**
Mario Ammirati, Amin Kassam, Daniel Kelly, C. Arturo Solares, Philip Theodosopoulos, Lee Zimmer
- 12:30 pm **Lunch**
- 1:00 **Lunch Lecture**
Robotic Applications in Skull Base Surgery
Enver Ozer
- 1:30 **Lab 3 – Anatomical Prosection: Trans-clival, Trans-nasal Odontoidectomy**
Ricardo Carrau, Bradley Otto, Daniel Prevedello
- 2:00 **Anatomical Prosection: Trans-orbital Approaches**
Ricardo Carrau, Bradley Otto, Daniel Prevedello
- 2:30 **Anatomical Dissection**
- 6:00 **End of Day 3**

SUNDAY, OCTOBER 28, 2012 – DAY 4

- 7:30 am **Continental Breakfast**
- 8:00 **Trans-orbital Endonasal Approaches**
Bradley Otto
- 8:30 **Outcomes After EEA: QOL and Cost-effectiveness**
C. Arturo Solares
- 9:00 **Prevention and Management of Neurosurgical Complications**
Amin Kassam
- 9:30 **Lab 4 – Prosection: Transpetrous Approaches and Infratemporal Fossa and Extranasal Reconstructive Flaps**
Ricardo Carrau, Bradley Otto, Daniel Prevedello
- 10:00 **Anatomical Dissection**
- 1:00 pm **Adjourn**

COURSE LOCATION



Columbus Convention Center
400 North High Street, DPOD – Upper Level
Columbus, OH 43215
614-827-2661

HOTEL ACCOMMODATIONS



Hampton Inn & Suites Columbus - Downtown
501 North High Street
Columbus, OH 43215

For hotel accommodations, call 1-800-426-7866. Mention "OSU Endoscopic Surgery Course" to get a special rate of \$115 per night plus taxes. Cutoff date to get the special rate is 10/1/12. Parking at the hotel is \$15 per day.

DIRECTIONS TO THE HOTEL FROM THE AIRPORT

Port Columbus Intl - 670 West to THIRD Street. Take right (West) on CHESTNUT and then right (North) on HIGH Street. Turn left on SPRUCE Street for hotel Valet Parking.

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: 7 mi.
- Drive time: 15 min.

ACCREDITATION STATEMENT

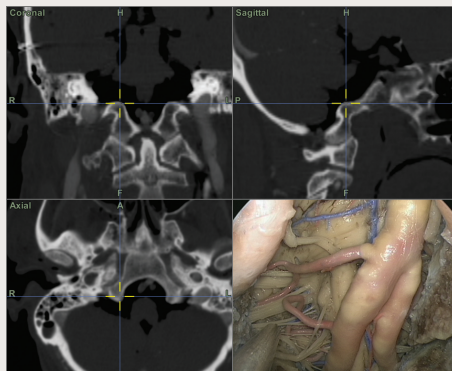
The Ohio State University Center for Continuing Medical Education (CCME) is accredited by the Accreditation Council for Continuing Medical Education (ACCME®) to provide continuing medical education for physicians.

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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October 25-28, 2012

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

SPACE IS LIMITED! Please print clearly.

SPECIALTY

DEGREE

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CANCELLATIONS

Cancellations must be received in writing by August 15, 2012 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.

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