

Advanced Endoscopic Cranial Base Surgery Course

a hands-on training course for ENT and neurologic surgeon teams

course directors:

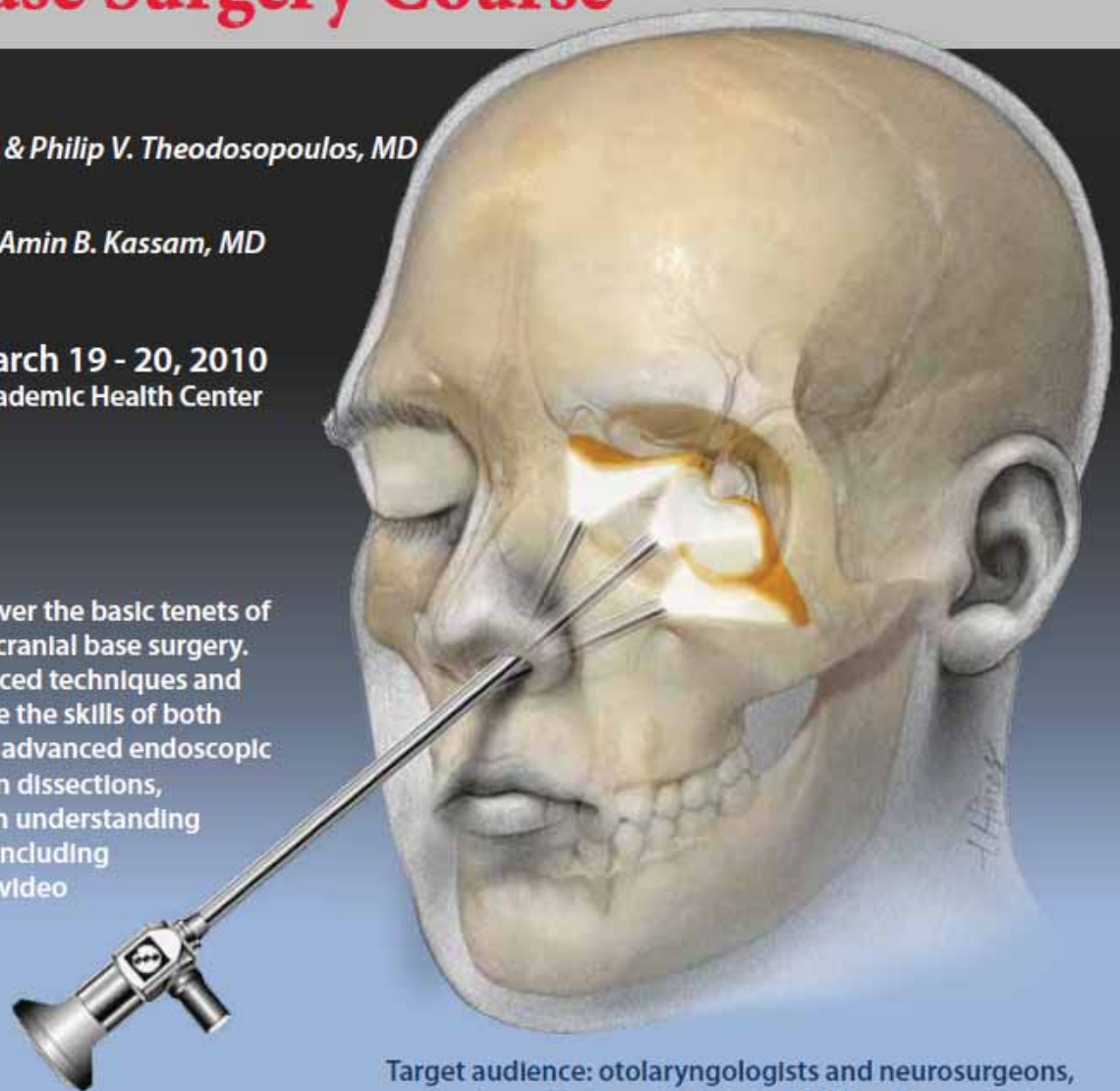
Lee A. Zimmer, MD, PhD & Philip V. Theodosopoulos, MD

with special guests:

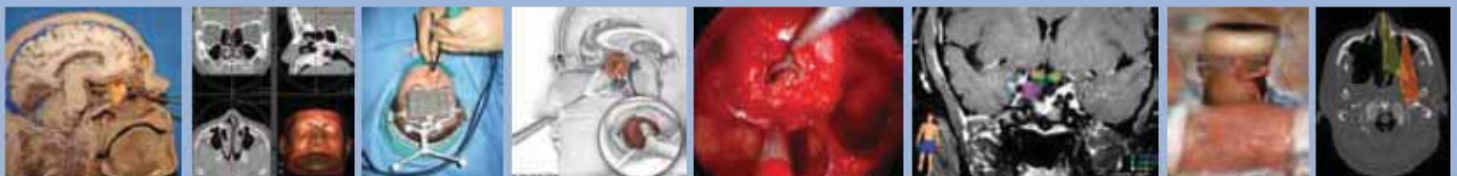
Ricardo L. Carrau, MD & Amin B. Kassam, MD

Friday & Saturday, March 19 - 20, 2010
University of Cincinnati Academic Health Center

This two-day course will cover the basic tenets of safe endoscopic sinus and cranial base surgery. It will also introduce advanced techniques and instrumentation to improve the skills of both the beginner as well as the advanced endoscopic surgeon. Through hands-on dissections, participants will develop an understanding of the various equipment, including powered instrumentation, video capability and CT image-guidance.



Target audience: otolaryngologists and neurosurgeons, residents and fellows-in-training. ENT and neurologic surgeon teams are encouraged to attend together and receive a discounted registration fee.



Accreditation

The University of Cincinnati designates this educational activity for a maximum of *14.5 AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credits commensurate with the extent of their participation in the activity. The University of Cincinnati is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

The University of Cincinnati is committed to resolving all conflicts of interest issues that could arise as a result of prospective faculty members' relevant relationships with drug or device manufacturers. The University of Cincinnati is committed to maintaining only those speakers with conflicts that can be reconciled with the goals and educational integrity of the CME activity.

Educational Objectives

At the end of this course, participants will be able to:

- Describe the endoscopic anatomy of the lateral sellar wall.
- Describe the anatomy of the pterygopalatine fossa.
- Discuss the anatomy of the infratemporal fossa.
- Explain the medical management of Cushing's Disease.
- Describe what hormone levels to order prior to pituitary surgery.
- Explain the medical management of prolactin secreting tumors.
- Define when to use radiotherapy for pituitary tumors.
- Explain how much radiation is required.
- Describe the risk of radiation to the optic nerve.
- Describe methods to repair CSF leaks after endoscopic skull base surgery.
- Explain when to use a lumbar drain in CSF leak repair.
- Explain how location matters for CSF leak repair.
- Identify the radiographic characteristics of skull base neoplasms.
- Describe the location of the pituitary stalk.
- Identify the warning signs for pituitary malignancies.
- Explain the unique anatomy of the sphenoid bone.
- Describe the diverse foramina of the sphenoid bone.
- Define what neurovascular structures pass through and are adjacent to the sphenoid bone.
- Explain how pituitary surgery has contributed to advances in Otolaryngology and Neurosurgery.
- Describe how pituitary surgery has changed over the last 100 years.
- Describe the standard endoscopic approach for pituitary tumors.
- Explain when to expand the endoscopic approach to the pituitary gland.
- Describe intranasal complications of endoscopic pituitary surgery.
- Explain when interventional techniques can be applied to pituitary disease.
- Describe interventional techniques for vascular skull base tumors.
- Define potential complications of interventional surgery.
- Describe the history of endoscopic sinus surgery.
- Explain the difficulty of open sinus surgery.
- Explain how innovation improved surgical outcomes in sinus surgery.
- Explain the evolution of endoscopic cranial base surgery.
- Describe the steps involved in performing various approaches in skull base surgery.
- Describe modular endoscopic skull base surgery.

For More Information

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Program - Friday, March 19, 2010

Mont Rogers Reid Surgical Library, MSB Room 2461 | 7:30 am - 10:20 am

- 7:30am Registration and Continental Breakfast
- 8:00am Welcome - *Lee A. Zimmer, MD, PhD*
- 8:10am The Enigmatic Sphenoid Bone and Why It Matters - *Jeffrey T. Keller, PhD*
- 8:35am Live Case Demonstration: Endoscopic Transsphenoidal
- 9:50am Coffee Break

Department of Surgery Board Room, MSB Room 1456 | 10:20 am - 1:00 pm

- 10:20am Intraoperative MRI, Endoscopes, Linear Accelerators: Transphenoidal Surgery as the paradigm for innovation in neurosurgery - *John M. Tew, Jr., MD*
- 10:45am Pituitary Tumors: The first 100 years of surgical treatment - *Philip V. Theodosopoulos, MD*
- 11:10am The Endoscope as the New Microscope: Modern pituitary surgery - *Lee A. Zimmer, MD, PhD*
- 11:45am When Photons Can Do Our Dirty Work: Single fraction vs. fractionation - *Ronald E. Warnick, MD*
- 12:10pm Lunch

Center for Surgical Innovation Laboratory, MSB Room R505 | 1:00 pm - 5:00 pm

- 1:00pm Cadaver Laboratory: Endoscopic transsphenoidal and skull base approaches
- 5:00pm Adjourn

Program - Saturday, March 20, 2010

Kingsgate Marriott Conference Center | 7:30 am - 12:15 pm

- 7:30am Continental Breakfast
- 8:00am Welcome - *Philip V. Theodosopoulos, MD*
- 8:10am Pituitary Masses: Are they all benign? - *Achala Vagal, MD*
- 8:35am Hormones and Medications: Are we past the time of surgery yet? - *Naila M. Goldenberg, MD*
- 9:00am Skull Base Anatomy: Beyond the air filled sinuses - *Lee A. Zimmer, MD, PhD*
- 9:30am CSF Leaks: How to fix the dam - *Ricardo L. Carrau, MD*
- 9:55am Catheters and What They Are Good For: Devascularization techniques and inferior petrosal sinus sampling - *Andrew J. Ringer, MD*
- 10:20am Coffee Break with exhibitors
- 10:35am Evolution of Endoscopic Sinus Surgery: Yesterday to today - *Allen M. Seiden, MD*
- 10:55am Advances in Endoscopic Cranial Base Surgery: Have we reached the final frontier? - *Amin B. Kassam, MD*
- 11:35am Lunch with exhibitors

Center for Surgical Innovation Laboratory, MSB Room R505 | 12:15 pm - 4:15 pm

- 12:15pm Cadaver Laboratory: Expanded endoscopic transsphenoidal and skull base approaches.
- 4:15pm Closing Remarks, Course Certificate, and Dismissal - *Lee A. Zimmer, MD, PhD and Philip V. Theodosopoulos, MD*

Course Directors

Philip V. Theodosopoulos, MD

Associate Professor
University of Cincinnati Department of Neurosurgery
Director, Division of Skull Base Surgery
Mayfield Clinic
University of Cincinnati Neuroscience Institute

Lee A. Zimmer, MD, PhD, FACS

Assistant Professor
University of Cincinnati Department of Otolaryngology
- Head and Neck Surgery
Director, Endoscopic Cranial Base Center
University of Cincinnati Neuroscience Institute

Invited Faculty

Ricardo L. Carrau, MD, FACS

Professor
University of Pittsburgh
Departments of Otolaryngology and Neurological Surgery
Eye and Ear Institute

Naila M. Goldenberg, MD

Assistant Professor
University of Cincinnati Department of Internal Medicine
Division of Endocrinology

Amin B. Kassam, MD, FCRS

Medical Director, Neuroscience Institute
John Wayne Cancer Institute at Saint John's Health Center
Santa Monica, CA

Jeffrey T. Keller, PhD

Research Professor
University of Cincinnati Department of Neurosurgery
Mayfield Clinic

Andrew J. Ringer, MD

Associate Professor
University of Cincinnati Department of Neurosurgery
Director, Division of Endovascular Neurosurgery
Mayfield Clinic
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University of Cincinnati Department of Otolaryngology
- Head and Neck Surgery
Director, Division of Rhinology and Sinus Disorders
University of Cincinnati Neuroscience Institute

John M. Tew Jr., MD

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University of Cincinnati Departments of Neurosurgery
and Radiology
Mayfield Clinic
Clinical Director, University of Cincinnati Neuroscience
Institute

Achala Vagal, MD

Assistant Professor
University of Cincinnati Department of Radiology
University of Cincinnati Neuroscience Institute

Ronald E. Warnick, MD

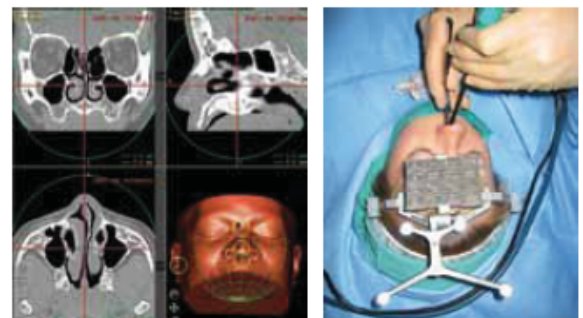
Professor
University of Cincinnati Departments of Neurosurgery
and Radiation Oncology
Chairman, Mayfield Clinic
University of Cincinnati Neuroscience Institute
Director, UC Brain Tumor Center

Accommodations

Marriott Kingsgate Conference Hotel

151 Goodman Drive
Cincinnati, OH 45219
1-888-720-1299

- A block of rooms has been reserved for registrants until February 25, 2010; early reservation is suggested.
- When you make reservations, be sure to mention the 'Advanced Endoscopic Cranial Base Surgery Course' to receive the special meeting rate of \$99 single/double occupancy.
- Reservations and deposits received after February 25, 2010 will be confirmed if space is available at currently published hotel guest room rates.



Registration / Course Fee

The course registration fee includes the tuition, final program syllabus, breakfasts, lunches, breaks, and Friday evening reception and dinner. A receipt and/or confirmation email will be sent to you within 14 working days of receipt of your registration.

There are two ways to register:

- Fax registration form to 513-558-3231
- Mail registration form to Department of Otolaryngology - Head and Neck Surgery
University of Cincinnati Academic Health Center
Attention: Barbara Huber
PO Box 670528
Cincinnati, OH 45267-0528

We accept the following forms of payment:

- Check made payable to University Ear, Nose and Throat Specialists, Inc.
- Credit Card (Visa, MasterCard)

Registration

Registration Fee.....	\$1800
Team of 2 (ENT and Neurosurgeon).....	\$3000
Resident/Fellow-in-Training Registration Fee	\$1200
Resident/Fellow-in-Training - Team of 2 (ENT and Neurosurgeon)	\$2000
<i>(Must be accompanied by a letter of verification from department head)</i>	
Spouse or Guest Ticket for Dinner Banquet on Friday Evening.....	\$55

Last Name _____ First Name _____ Middle Init. _____

Degree _____ Institution _____

Specialty (circle one): ENT Neurosurgery Other _____

Office address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Email _____

Date of Birth _____ Last 4 digits of Social Security # (for CME credit) _____

Payment type (circle one): Check Visa Mastercard

Name on card: _____

CC#: _____ Expiration date: _____

Refund/Cancellation policy: The registration fee, minus a \$100 administrative handling fee, is refundable if a written request is received on or before February 26, 2010. No refunds will be granted after that date, no exceptions. The request for a registration refund must include the tax identification number of the company or institution if registration was paid by a company or institution check. Although no refunds will be granted after February 26, 2010, you may transfer your registration to a colleague.