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 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, 3D 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 venal skull base from the endoscopic perspective
2. Discuss the indications and limitations of endoscopic endonasal surgery of the skull base, pituitary fossa, orbit and craniovertebral junction
3. Identify how to avoid and treat complications of endoscopic endonasal surgery of the skull base, pituitary fossa, orbit and craniovertebral 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 craniovertebral 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*
Enver Ozor, MD, Associate Professor
Department of Otolaryngology-Head and Neck Surgery*
Ali Rezai, MD, Professor
Department of Otolaryngology-Head and Neck Surgery*
Eric Savoybgeas, MD, Associate Professor
Department of Neurological Surgery*
Thiagobn N. Tolados, MD, Professor
Department of Otolaryngology-Head and Neck Surgery*

ASSOCIATE FACULTY
Leo Diterl Fitzlos, MD
Daniele de Lara, MD
Pomthep Kasmorini, MD

GUEST FACULTY
Amir B. Kassano, MD, FACS
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, Assistant Professor
Department of Neurosurgery
University of Cincinnati Medical Center, Cincinnati, Ohio

SPONSORED BY
THE JAMES CENTER FOR COMPREHENSIVE CANCER CARE AT THE OHIO STATE UNIVERSITY
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Department of Neurological Surgery*
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Amit B. Kassam, MD, FRCS(c)
Professor and Chief of Neurosurgery
University of Ottawa, Ottawa, Ontario Canada

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

*OSUCCC–James

Columbus, Ohio
October 25-28, 2012  ♦  Columbus, Ohio

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Director, Division of Skull Base Surgery
University of Cincinnati Medical Center, Cincinnati, Ohio

Ali Rezai, MD, Professor
Department of Otolaryngology-Head and Neck Surgery*

Eric Sauvageau, MD, MBA, Professor of Neurosurgery and Radiation Oncology,
Department of Neurosurgery*

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

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

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

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

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SPONSORED BY

THE JAMES AND THE OHIO STATE UNIVERSITY
**AGENDA**

**THURSDAY, OCTOBER 25, 2012 – DAY 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00</td>
<td>Welcome</td>
<td>D. Bradley Welling, Ali Reza</td>
</tr>
<tr>
<td>7:30</td>
<td>Course Overview</td>
<td>Richard Caras, Bradley Otto, Daniel Prevedello</td>
</tr>
<tr>
<td>8:15</td>
<td>Practical Approach to Imaging of the Cranial Base</td>
<td>Claudia Kirsch, Bradley Otto, Daniel Prevedello</td>
</tr>
<tr>
<td>9:45</td>
<td>Welcome</td>
<td>D. Bradley Welling, Ali Reza</td>
</tr>
<tr>
<td>10:45</td>
<td>Reconstruction of the Skull Base: From Free Grafting to Vascular Flaps</td>
<td>Richard Caras</td>
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<tr>
<td>11:30</td>
<td>Graded Reconstruction of Skull Base Defects</td>
<td>Daniel Kelly</td>
</tr>
<tr>
<td>12:00</td>
<td>Lunch</td>
<td></td>
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<tr>
<td>12:30</td>
<td>3-D Endoscopic Skull Base Anatomy: The Sagittal Plane I</td>
<td>Daniel Prevedello</td>
</tr>
<tr>
<td>1:00</td>
<td>Endonasal Endoscopic Pituitary Surgery: The UC Experience</td>
<td>Lee Zimmer, Philip Theodosopoulos</td>
</tr>
<tr>
<td>1:45</td>
<td>Sagittal Plane EEA Modules I: Trans-sellar, Trans-planum, and Trans-cribiform</td>
<td>Daniel Prevedello</td>
</tr>
<tr>
<td>2:15</td>
<td>LAB 1 – Anatomical Prosection: The Sagittal Plane:</td>
<td>Daniel Prevedello</td>
</tr>
<tr>
<td>3:00</td>
<td>Reconstrucitonal Flaps and Trans-sellar</td>
<td>Richard Caras, Daniel Prevedello</td>
</tr>
<tr>
<td>3:30</td>
<td>Anatomical Dissection</td>
<td></td>
</tr>
<tr>
<td>4:00</td>
<td>End of Day</td>
<td></td>
</tr>
<tr>
<td>4:15</td>
<td>Welcome Reception</td>
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**FRIDAY, OCTOBER 26, 2012 – DAY 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Registration and Continental Breakfast</td>
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<tr>
<td>8:30</td>
<td>Welcome</td>
<td>D. Bradley Welling, Ali Reza</td>
</tr>
<tr>
<td>8:45</td>
<td>Course Overview</td>
<td>Richard Caras, Bradley Otto, Daniel Prevedello</td>
</tr>
<tr>
<td>10:45</td>
<td>Reconstruction of the Skull Base: From Free Grafting to Vascular Flaps</td>
<td>Richard Caras</td>
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<tr>
<td>11:30</td>
<td>Graded Reconstruction of Skull Base Defects</td>
<td>Daniel Kelly</td>
</tr>
<tr>
<td>12:00</td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td>3-D Endoscopic Skull Base Anatomy: Sagittal Plane II – Trans-planum</td>
<td>Daniel Prevedello</td>
</tr>
<tr>
<td>1:00</td>
<td>Endonasal Endoscopic Pituitary Surgery: The UC Experience</td>
<td>Lee Zimmer, Philip Theodosopoulos</td>
</tr>
<tr>
<td>1:45</td>
<td>Sagittal Plane EEA Modules II: Trans-sellar, Trans-planum, and Trans-cribiform</td>
<td>Daniel Prevedello</td>
</tr>
<tr>
<td>2:15</td>
<td>Lab 2 – Anatomical Prosection: Sagittal Plane II – Trans-planum,</td>
<td>Richard Caras, Bradley Otto, Daniel Prevedello</td>
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<tr>
<td>3:00</td>
<td>Trans-sellar</td>
<td></td>
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<tr>
<td>3:30</td>
<td>Anatomical Dissection</td>
<td></td>
</tr>
<tr>
<td>4:00</td>
<td>End of Day</td>
<td></td>
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<tr>
<td>4:15</td>
<td>Welcome Reception</td>
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</tr>
</tbody>
</table>

**SATURDAY, OCTOBER 27, 2012 – DAY 3**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>7:30</td>
<td>Continental Breakfast</td>
<td></td>
</tr>
<tr>
<td>8:00</td>
<td>3-D Endoscopic Skull Base Anatomy: Coronal Plane</td>
<td>Daniel Prevedello</td>
</tr>
<tr>
<td>8:30</td>
<td>Anatomical Basis for the Transpterygoid Approaches</td>
<td>Richard Caras, Bradley Otto, Daniel Prevedello</td>
</tr>
<tr>
<td>9:15</td>
<td>Coronal Plane Modules</td>
<td></td>
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<tr>
<td>9:45</td>
<td>LAB 3 – 300 Degrees Minimally Invasive Brain Surgery – Concepts &amp;</td>
<td>Richard Caras, Bradley Otto, Daniel Prevedello</td>
</tr>
<tr>
<td>10:45</td>
<td>Practical Approach</td>
<td></td>
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<tr>
<td>11:00</td>
<td>Round Table: Expanded Endonasal Approaches: How and Why Do I Do It</td>
<td>Mario Ammirati, Amin Kassam, Daniel Kelly, C. Arturo Solares, Philip</td>
</tr>
<tr>
<td></td>
<td>Differently (Presentation of Cases)</td>
<td>Theodosopoulos, Lee Zimmer</td>
</tr>
<tr>
<td>12:30</td>
<td>Lunch</td>
<td></td>
</tr>
<tr>
<td>1:00</td>
<td>Lecture</td>
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<tr>
<td>1:30</td>
<td>Robotic Applications in Skull Base Surgery</td>
<td>Erin Case</td>
</tr>
<tr>
<td>2:00</td>
<td>Anatomical Dissection</td>
<td></td>
</tr>
<tr>
<td>2:30</td>
<td>End of Day</td>
<td></td>
</tr>
<tr>
<td>3:00</td>
<td>Welcome Reception</td>
<td></td>
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</table>

**SUNDAY, OCTOBER 28, 2012 – DAY 4**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:30</td>
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</tr>
<tr>
<td>8:30</td>
<td>3-D Endoscopic Skull Base Anatomy: Endonasal Approaches</td>
<td>Richard Caras, Bradley Otto, Daniel Prevedello</td>
</tr>
<tr>
<td>9:00</td>
<td>Outcomes After EEA: QOL and Cost-effectiveness</td>
<td>C. Arturo Solares</td>
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<tr>
<td>9:30</td>
<td>Prevention and Management of Neurosurgical Complications</td>
<td>Mario Ammirati</td>
</tr>
<tr>
<td>10:00</td>
<td>LAB 4 – Prosection: Transpterygoid Approaches and Extranasal</td>
<td>Richard Caras, Bradley Otto, Daniel Prevedello</td>
</tr>
<tr>
<td></td>
<td>Reconstructive Flaps</td>
<td></td>
</tr>
<tr>
<td>10:30</td>
<td>Anatomical Dissection</td>
<td></td>
</tr>
<tr>
<td>11:00</td>
<td>Adjourn</td>
<td></td>
</tr>
</tbody>
</table>

**COUCRS LOCATION**

Columbus Convention Center
400 North High Street, 2000 – Upper Level
Columbus, OH 43215
614-827-2001

**HOTEL ACCOMMODATIONS**

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

**DIRECTIONS TO THE HOTEL FROM THE AIRPORT**

Port Columbus Intl - G70 West to THRD Street. Take right (West) on CHRISTEN & look right (North) on HIGH Street. Turn left on APRIC LTD Street for hotel Valet Parking.

Local taxis available (approx. one way charge is $24)
614-236-4444 or Van Limos 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 (OCME) is accredited by the Accreditation Council for Continuing Medical Education (ACME) 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 Credits™. 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 Endoskope, Medtronic, KLS Martin Group, NICO Corporation.

**PAYMENT**

Check or money order payable to: Academic Event Management
Visa, MasterCard, American Express

**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.

**REGISTRATION**

State-of-the-Art Endoscopic Skull Base Surgery Course
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**TUITION**

$3,000 Lectures and Lab + $1,500 Didactic Only

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

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