

ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

Columbus, Ohio

COURSE DESCRIPTION

Responding to the increased familiarity with endonasal endoscopic skull base surgery, we have modified the program to start at a higher level of expertise, and to promote discussions related to treatment algorithms of specific diseases. However, we recognize the value of refreshing basic concepts; and that our course caters to participants with a variety of levels of training and experience. Therefore, we will provide the participants with a series of video-lectures and video-prosections to fulfill these needs. This video-lecture series will allow the participants to enjoy the benefits of both a traditional lecture-style course based on anatomic and technical concepts, and a course with a new interactive format emphasizing decision-making and disease-oriented discussions. Participants will in fact enroll in two courses, a home study course and the hands-on course without additional costs.

THE COURSE COMPRISES:

1. Foundational Course video-lectures addressing the basic principles of endoscopic skull base surgery, anatomy of the sinonasal tract and skull base, and basic surgical technique and instrumentation. These will be provided to registered participants one month prior to the course, as the program will start at a level that presumes familiarity with these principles.
2. Anatomical prosections (videos will be provided one month prior to the course).
3. Laminated dissection manual (a digital version will be provided one month prior to the course).
4. Sequence of complementary didactic lectures, round tables, and panel discussions (open format with audience participation), 3-D anatomical reviews and hands-on cadaveric dissection.
5. Live surgery 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.

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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.

SOCIAL EVENTS

Thursday, April 16, 2026*

7:00-8:30 pm **Welcome Reception**

High Bank Distillery

1051 Goodale Blvd., Columbus, OH

Attire: Casual

Friday, April 17, 2026*

7:00-10:00 pm **Course Dinner**

Agave & Rye

1295 Grandview Ave., Columbus, OH

Attire: Casual

*Transportation will be provided via UBER for attendees

ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

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COURSE DIRECTORS

Ricardo L. Carrau, MD, MBA

Professor

Department of Otolaryngology-
Head & Neck Surgery
OSUCCC - James
Columbus, Ohio

Kathleen Kelly, MD

Assistant Professor

Department of Otolaryngology-
Head & Neck Surgery
OSUCCC - James
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Daniel M. Prevedello, MD, MBA

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THE OHIO STATE UNIVERSITY FACULTY

Dukagjin M. Blakaj, MD, PhD

Associate Professor

Department of Radiation Oncology*

Raymond I. Cho, MD, FACS

Clinical Professor

Ophthalmology*

Luma Ghalib, MD

Assistant Professor

Clinical Endocrinology, Diabetes and
Metabolism*

Russell R. Lonser, MD

Professor and Chair

Department of Neurological Surgery*

Joshua Palmer, MD

Assistant Professor

Radiation Oncology*

Luciano M. Prevedello, MD, MPH

Associate Professor

Neuroradiology*

Demicha Rankin, MD

Associate Professor

Clinical Department of Anesthesiology*

James W. Rocco, MD, PhD, FACS

Professor and Chair

Department of Otolaryngology – Head and
Neck Surgery

The John and Mary Alford Chair of Head and
Neck Surgery*

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THE OHIO STATE UNIVERSITY FACULTY

Patrick C. Walz, MD

Assistant Professor

Department of Otolaryngology-Head and
Neck Surgery*

Patrick Youssef, MD

Assistant Professor

Department of Neurological Surgery*

***OSUCCC–James Columbus, Ohio**

GUEST FACULTY

Douglas Hardesty, MD

Vice Chair and Associate Professor

Department of Neurological Surgery

Creighton University

Medical Director of Skull Base Surgery

CHI Health Bergan Mercy

Omaha, Nebraska

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One month before the course, we will provide all registered participants with the following lectures in a video format. Participants will be responsible for watching these videos and being familiar with the material. The course will start at a level that assumes familiarity with the concepts presented in the videos.

Foundational Course **Principles of Expanded Endoscopic Endonasal Approaches**

Foundational Course **The Sinonasal Corridor**

Foundational Course **Anatomy of the Sinonasal Tract & Skull Base (Extradural)**

Foundational Course **Anatomy of the Cranial Nerves and Cerebral Circulation (Extradural)**

Foundational Course **Reconstruction of the Skull Base: From Free Grafting to Vascularized Flaps**

Foundational Course **Sagittal Plane EEA Modules I: Trans-sellar, Trans-planum, and Trans-cribiform**

Foundational Course **Practical Approach to Imaging of the Cranial Base**

Foundational Course **Endovascular Approach: How I can get you out of trouble
(Even deep, deep, deep...trouble)**

Foundational Course **Sagittal Plane Modules II : Trans-clival, Trans-odontoid**

Foundational Course **Trans-orbital Endonasal Approaches**
Bradley Otto

Foundational Course **Endoscopic Anterior Skull Base Resection for Sinonasal Malignancy:
Principles and Outcomes**
Matthew Old

Foundational Course **Anatomical Basis for the Transpterygoid Approaches**
Ricardo Carrau

Foundational Course **Coronal Plane Modules**
Daniel Prevedello

In addition, we will provide copies of the prosection videos, a dissection manual in PDF format, and references. We encourage the participants to go over this material before the course.

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Thursday, DAY 1 – April 16, 2026

- 6:45AM **REGISTRATION & BREAKFAST**
The James Cancer Hospital
James Auditorium
(Conference level floor) Wasserstrom
460 W 10th Ave, Columbus, Ohio
- 7:15 **Welcome**
Russell Lonser
James Rocco
Course Overview
Ricardo Carrau, Daniel Prevedello, Kathleen Kelly
Kyle VanKoevering, Kyle Wu
- 7:30 **Round Table:**
Preoperative Planning: Diagnostic and Interventional Imaging
Patrick Youssef, Luciano Prevedello
- 9:00 **Round Table:**
Optimizing the Surgical Corridors and Adjunctive Technology
Demicha Rankin, Kathleen Kelly, Patrick Walz
Interactive Panel All Faculty & Attendees
- 10:00 **BREAK**
James Auditorium Lobby
- 10:30 **Round Table: Sellar Lesions**
Cysts And Intracellular Adenomas, Extended Approaches, Endocrine Considerations
Luma Ghalib, Kyle VanKoevering, Kyle Wu
Interactive Panel All Faculty & Attendees
- 11:45 **LUNCH**
James Auditorium Lobby
- 12:30 PM **Presentation of The Case**
Luciano Prevedello, Kathleen Kelly, Kyle VanKoevering
- 1:00 **Live Surgery**
Ricardo Carrau, Daniel Prevedello
Commentary: *Kathleen Kelly, Kyle VanKoevering, Kyle Wu, Douglas Hardesty*

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4:30 **3-D Endoscopic Skull Base Anatomy: The Sagittal Plane I**
Daniel Prevedello

6:00 **End of Day 1**

7:00-8:30 **Welcome Reception**
High Bank Distillery
1051 Goodale Blvd., Columbus, OH
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Friday, DAY 2 – April 17, 2026

7:00 AM **BREAKFAST**
The James Cancer Hospital
James Auditorium
(Conference level floor) Wasserstrom
460 W 10th Ave, Columbus, Ohio

7:45 **3-D Endoscopic Skull Base Anatomy: The Sagittal Plane II**
Daniel Prevedello

8:30 **Challenges in Reconstruction of the Skull Base**
Kyle VanKoevering, Patrick Walz, Kathleen Kelly
Interactive Panel All Faculty & Attendees

9:30 **Round Table:**
Endoscopic Resection of Craniopharyngiomas: Endocrinological Considerations
Kyle Wu, Luma Ghalib, Douglas Hardesty
Interactive Panel All Faculty & Attendees

10:30 **Panel:**
**Dilemmas With Meningiomas of The Anterior Cranial Base:
Endonasal or Transcranial**
Moderator: Daniel Prevedello
Interactive Panel All Faculty & Attendees

11:30 **LUNCH**

12:30PM **Wexner Medical Center Surgical Skills Lab**
2835 Fred Taylor Drive, Suite 3230, Columbus, OH 43202-1552
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- 12:45 **Anatomical Dissection - and
Surgical Simulation Models for ICA Injury, CSF leaks, Pediatric/Non-pneumatized
Sphenoid** - *Kyle VanKoevering, Patrick Walz, Kyle Wu, Fellows*
- 6:00 **End of Day 2**
- 7:00-10:00 **Course Dinner**
Agave & Rye
1295 Grandview Ave., Columbus, OH
**Transportation will be provided via UBER for attendees*

Saturday, DAY 3 – April 18, 2026

- 7:00 AM **BREAKFAST**
The James Cancer Hospital
James Auditorium
(Conference level floor) Wasserstrom
460 W 10th Ave, Columbus, Ohio
- 7:45 **3-D Endoscopic Skull Base Anatomy: Coronal Plane**
Daniel Prevedello
- 8:30 **Round Table: Adjuvant Radiation Therapy**
Dukagjin Blakaj, Joshua Palmer
- 9:00 **Round Table: Transorbital Approaches**
Raymond Cho
- 9:15 **Round Table:**
Endoscopic Treatment of Malignancies and Complex Lesions
Ricardo Carrau, Kyle VanKoevering
Interactive Panel All Faculty & Attendees
- 10:15 **BREAK**
- 10:30 **Round Table:**
Chordomas and Chondrosarcomas
Daniel Prevedello, Kyle Wu, Patrick Walz
Interactive Panel All Faculty & Attendees

ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

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- 11:30 **Prevention and Management of Complications & Optimizing QOL**
Ricardo Carrau
Interactive Panel All Faculty & Attendees
- 12:00 PM **LUNCH**
- 1:00 **Wexner Medical Center Surgical Skills Lab**
2835 Fred Taylor Drive, Suite 3230, Columbus, OH 43202-1552
*Transportation will be provided via UBER for attendees
- 1:15 **Anatomical Dissection - and**
Surgical Simulation Models for ICA Injury, CSF leaks, Pediatric/Non-pneumatized
Sphenoid - *Kyle VanKoevering, Patrick Walz, Kyle Wu, Fellows*
- 6:30 **End of Day 3 – Course Adjourns**

COURSE LOCATIONS

Day 1-3 – James Auditorium- Lectures, Exhibits and Meals*

The James Cancer Hospital

(Conference level floor) Wasserstrom
460 W 10th Ave, Columbus, Ohio 43210

Day 2 and 3 – Lab*

Wexner Medical Center Surgical Skills Lab

2835 Fred Taylor Drive, Suite 3230, Columbus, OH 43202-1552

*Transportation will be provided via UBER for attendees