

# ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

May 30-June 1, 2024<sup>B</sup>  
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.

# ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

May 30-June 1, 2024 <sup>B</sup>  
Columbus, Ohio

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.

# ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

May 30-June 1, 2024<sup>B</sup>  
Columbus, Ohio

## COURSE DIRECTORS

### **Ricardo L. Carrau, MD**

*Professor*

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

### **Kathleen Kelly, MD**

*Assistant Professor*

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

### **Daniel M. Prevedello, MD**

*Professor*

Department of Neurological Surgery  
OSUCCC - James  
Columbus, Ohio

### **Kyle VanKoevering, MD**

*Assistant Professor*

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

### **Kyle C. Wu, MD**

*Assistant Professor*

Department of Neurological Surgery  
OSUCCC - James  
Columbus, Ohio

## THE OHIO STATE UNIVERSITY FACULTY

### **Dukagjin 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 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\*

# ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

May 30-June 1, 2024<sup>B</sup>  
Columbus, Ohio

## 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

# ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

May 30-June 1, 2024  
Columbus, Ohio

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 exposed 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.

# ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

May 30-June 1, 2024  
Columbus, Ohio

## Thursday, DAY 1 – May 30, 2024

- 6:30 AM      **Transportation to the James Auditorium**  
Marriott Columbus University Area Hotel  
3100 Olentangy River Road, Columbus, OH  
**Meet in Hotel Lobby**
- 6:45          **REGISTRATION & CONTINENTAL BREAKFAST**  
James Auditorium  
The James Cancer Hospital  
(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 Intrasellar Adenomas, Extended Approaches, Endocrine Considerations  
*Luma Ghalib, Kyle VanKoevering, Kyle Wu*  
Interactive Panel All Faculty & Attendees
- 11:45        **LUNCH**  
James Auditorium Lobby

# ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

May 30-June 1, 2024  
Columbus, Ohio

- 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*
- 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**  
Marriott Columbus University Area Hotel – Olentangy Room  
3100 Olentangy River Road, Columbus, OH

## **Friday, DAY 2 – May 31, 2024**

- 7:00 AM        **CONTINENTAL BREAKFAST**  
Marriott Columbus University Area Hotel – Franklin Ballroom CD  
3100 Olentangy River Road, Columbus, OH
- 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: Ophthalmological and Endocrinological Considerations**  
*Kyle Wu, Douglas Hardesty, Luma Ghalib*  
Interactive Panel All Faculty & Attendees

# ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

May 30-June 1, 2024  
Columbus, Ohio

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

## **Saturday, DAY 3 – June 1, 2024**

- 7:00 AM      **CONTINENTAL BREAKFAST**  
Marriott Columbus University Area Hotel – Franklin Ballroom CD  
3100 Olentangy River Road, Columbus, OH
- 7:45      **3-D Endoscopic Skull Base Anatomy: Coronal Plane**  
*Daniel Prevedello*
- 8:30      **Round Table: Adjuvant Radiation Therapy**  
*Dukagjin Blakaj, Joshua Palmer*
- 9:15      **Round Table:**  
**Endoscopic Treatment of Malignancies and Complex Lesions**  
*Raymond Cho, Ricardo Carrau, Kyle VanKoevering*  
Interactive Panel All Faculty & Attendees



# ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

May 30-June 1, 2024  
Columbus, Ohio

- 10:15      **BREAK**
- 10:30      **Round Table:**  
**Chordomas and Chondrosarcomas**  
*Daniel Prevedello, Kyle Wu, Patrick Walz*  
Interactive Panel All Faculty & Attendees
- 11:30      **Prevention and Management of Complications & Optimizing QOL**  
*Ricardo Carrau*  
Interactive Panel All Faculty & Attendees
- 12:00 PM    **LUNCH**
- 12:45      **Transportation to the Lab**  
Meet in Marriott Hotel Lobby
- 1:00      **Anatomical Dissection - and**  
**Surgical Simulation Models for ICA Injury, CSF leaks, Pediatric/Non-pneumatized**  
**Sphenoid** - *Kyle VanKoevering, Patrick Walz, Kyle Wu, Fellows*  
Wexner Medical Center Surgical Skills Lab  
2835 Fred Taylor Drive, Suite 3230, Columbus, OH
- 6:30      **End of Day 3 – Course Adjourns**

# ADVANCED ENDOSCOPIC SKULL BASE SURGERY COURSE

May 30-June 1, 2024 <sup>B</sup>  
Columbus, Ohio

## COURSE LOCATIONS

### **Day 1 – James Auditorium\***

The James Cancer Hospital  
(Conference level floor) Wasserstrom  
460 W 10th Ave, Columbus, Ohio 43210

### **Day 2 and 3 - Morning - Lectures, Exhibits and Meals\***

Marriott Columbus University Area Hotel  
3100 Olentangy River Road  
Columbus, OH 43202

### **Day 2 and 3 – Afternoon – Lab\***

Wexner Medical Center Surgical Skills Lab  
2835 Fred Taylor Drive, Suite 3230, Columbus, OH 43202-1552

\*Transportation will be provided for those staying at the Marriott