



# Skull Base Symposium

Saturday, April 13, 2024  
8:00 a.m. - 3:55 p.m.  
Zoom

## Course Directors



**Ralph Abi Hachem, MD**  
Associate Professor of Head and Neck Surgery and Communication Sciences



**Calhoun D. Cunningham, MD**  
Associate Professor of Head and Neck Surgery and Communication Sciences



**Ali Zomorodi, MD**  
Professor of Neurosurgery

## Skull Base Surgery for the Community Practitioner: Enhancing Collaborative Care

The Duke Skull Base Symposium is an interactive, multidisciplinary CME event designed to emphasize state-of-the-art treatment of both anterior and lateral skull base disorders. This course is instructed by Duke faculty and leaders in many fields with a focus on anterior and lateral skull base disorders. All lectures are followed by question-and-answer sessions as well as case discussions to highlight nuances in evaluation and treatment.

### Objectives

The symposium is designed to increase competence and provide the most up-to-date, evidence-based review of the management of patients with anterior and lateral skull base disorders. At the end of the course, participants should be able to:

- Evaluate and manage preoperative and postoperative skull base pathologies in a cost-effective manner based on best available evidence
- Identify best candidates for conservative management of various skull base diseases, review of available treatment options, and short- and long-term outcomes of these therapies using an evidence-based approach
- Discuss treatment of skull base disorders with a focus on health care economics, delivery of care, patient education, physician education and case review, and methods to improve outcomes, value, and quality
- Develop a systematic and reliable approach for evaluating patients with skull base pathologies and formulate a non-operative or surgical treatment strategy
- Discuss the impact of innovative skull base procedural treatments and surgical techniques on current and future skull base care

**Saturday, April 13<sup>th</sup>**  
**8:00 a.m. – 3:55 p.m.**

- 8:00 – 8:10 a.m.      **Welcome and Introductions**  
Howard Francis, MD, MBA  
Gerald Grant, MD
- 8:10 – 8:30            **Takanori Fukushima: Celebrating a Legacy of Mastery**  
Allan Friedman, MD  
Ali Zomorodi, MD
- 8:30 – 9:50            **Cerebrospinal Fluid Leaks: Comprehensive Management**  
Ralph Abi Hachem, MD  
Noam Bartuv, MD  
Michael Malinzak, MD, PhD  
Nathan Tagg, MD
- 9:50 – 10:50         **Pituitary Surgery for the Community Practitioner**  
Moderator      Patrick Codd, MD  
Speakers        David Jang, MD  
                      Ali Zomorodi, MD  
                      Jordan Komisarow, MD  
                      Lauren Gratian, MD
- 10:50 – 11:20        **Superior Semicircular Canal Dehiscence – New Approaches to  
Diagnosis and Management**  
David M. Kaylie, MD  
Eric Formeister, MD
- 11:20 – 12:00        **Update in Sinonasal and Skull Base Malignancies**  
Nyall London, MD  
Bradley Goldstein, MD, PhD
- 12:00 – 12:30        **Break**
- 12:30 – 1:00          **Radiation Therapy in Skull Base Tumors**  
John Kirkpatrick, MD, PhD  
Edina Wang, MD
- 1:00 – 1:20            **The Internal Carotid Artery in Skull Base Surgery**  
Ali Zomorodi, MD
- 1:20 – 1:40            **Skull Base Imaging: What the Surgeon Should Look For**  
Philip Chapman, MD

- 1:40 – 2:00      **Future of Robotics and AI in Skull Base Surgery**  
Patrick Codd, MD
- 2:00 – 2:20      **Discussion and Q&A:** Ali Zomorodi, MD, Philip Chapman, MD, & Patrick Codd, MD
- 2:20 – 2:40      **Updates in Facial Reanimation Techniques Following Skull Base Surgery**  
Brett Phillips, MD
- 2:40 – 3:00      **Pulsatile Tinnitus: Update in Diagnosis and Management**  
Calhoun D. Cunningham, MD  
Erik Hauck, MD
- 3:00 – 3:15      **Discussion and Q&A:** Brett Phillips, MD, Calhoun D. Cunningham, MD and Erik Hauck, MD
- 3:15 – 3:45      **Current Trends in Acoustic Neuroma Management: Case-Based Presentation**  
Moderator      Calhoun D. Cunningham, MD  
Speakers      Ali Zomorodi, MD  
                    David Kaylie, MD  
                    John Kirkpatrick, MD, PhD  
                    Howard Francis, MD, MBA
- 3:45 – 3:55      **Final Thoughts and Q&A with Faculty**
- 3:55                **Adjournment**

# Speakers



**Ralph Abi Hachem, MD**  
Associate Professor of Head and Neck  
Surgery and Communication Sciences  
Duke University



**Noam Bartuv, MD**  
Assistant Professor of Head and Neck  
Surgery & Communication Sciences  
Duke University



**Philip Chapman, MD**  
Professor of Radiology  
Duke University



**Patrick Codd, MD**  
Associate Professor of Neurosurgery  
Duke University



**Calhoun Cunningham, MD**  
Associate Professor of Head and Neck  
Surgery & Communication Sciences  
Duke University



**Eric Formeister, MD**  
Assistant Professor of Head and Neck  
Surgery & Communication Sciences  
Duke University



**Howard Francis, MD, MBA**  
Chair, Department of Head and Neck  
Surgery & Communication Sciences  
Duke University



**Bradley Goldstein, MD, PhD**  
Professor of Head and Neck Surgery &  
Communication Sciences  
Duke University



**Gerald Grant, MD**  
Chair, Department of Neurosurgery  
Duke University



**Lauren Gratian, MD**  
Endocrinology, Diabetes & Metabolism  
Specialist  
Wilmington Health



**David Hasan, MD**  
Professor of Neurosurgery  
Duke University



**Erik Hauk, MD**  
Associate Professor of Neurosurgery  
Duke University



**David Jang, MD**  
Associate Professor of Head and Neck  
Surgery & Communication Sciences



**David Kaylie, MD**  
Professor of Head and Neck Surgery and  
Communication Sciences  
Duke University



**John Kirkpatrick, MD, PhD**  
Professor of Radiation Oncology  
Duke University



**Jordan Komisarow, MD**  
Assistant Professor of Neurosurgery  
Duke University



**Nyall London Jr, MD, PhD**  
Associate Professor of Otolaryngology  
Head and Neck Surgery  
John Hopkins



**Michael Malinzak, MD, PhD**  
Assistant Professor of Radiology  
Duke University



**Brett Phillips, MD**  
Assistant Professor of Surgery  
Duke University



**Nathan Tagg, MD**  
Associate Professor in Ophthalmology  
Duke University



**Edina Wang, MD**  
Medical Instructor  
Department of Radiation Oncology  
Duke University



**Ali Zomorodi, MD**  
Professor of Neurosurgery  
Duke University