

# *Surgery* of the *Craniovertebral Junction*

A COURSE FOR 5TH & 6TH YEAR NEUROSURGERY RESIDENTS

**Thursday & Friday,  
August 31-September 1, 2017**

**Iris S. and Bert L. Wolstein  
Research Building**

Case Western Reserve University  
Cleveland, Ohio

An educational activity provided by



## *Overview*

This two-day course is designed for 5th and 6th year neurosurgery residents who seek an intensive, hands-on course in the surgical management of pathologies of the craniocervical junction. Pathologies to be addressed include vascular diseases, tumors, deformities and trauma. Anatomical considerations, patient indications for intervention, decision making, and surgical approaches and techniques will be discussed. Faculty will demonstrate repair, fixation and reconstruction techniques using 3-D imaging, and state-of-the-art devices and instrumentation. Small class size and emphasis on the practicum maximizes faculty and resident interaction, and the opportunity for expert guidance and skill development.

### ***Objectives***

After attending this program participants will be able to:

- Describe the anatomical factors involved in the surgical management of pathologies of the craniocervical junction
- Discuss patient indications and the surgical decision making process for selecting appropriate approaches, techniques and devices
- Demonstrate skills in CT and MRI navigation and image guidance
- Demonstrate surgical approaches, techniques and application of devices on tissue models
- Plan intraoperative steps to prevent complications and maximize outcomes

## *General Information*

### ***Meeting Location***

Iris S. and Bert L. Wolstein Research Building Auditorium

Case Western Reserve University

2103 Cornell Road | Cleveland, OH 44106

A map and directions will be sent with your confirmation email.

### ***Accommodations***

Courtyard by Marriott—University Circle

2021 Cornell Road | Cleveland, OH 44106

216-791-5678

The hotel is within walking distance of the conference venue. For those who drive, valet parking is \$20 for overnight guests.

### ***Acknowledgments***

This activity will be supported by grants from industry. A complete listing of supporters will be provided in the syllabus materials distributed at the meeting. Acceptance of funding in support of this program does not constitute endorsement of any product or manufacturer.

## *Faculty*

### **Nicholas C. Bambakidis, MD**

#### **Course Director**

*Professor of Neurological Surgery*  
Case Western Reserve University School  
of Medicine  
*Director, Neurological Institute*  
University Hospitals Neurological Institute  
University Hospitals Case Medical Center  
Cleveland, OH

### **Peter A. Weisskopf, FACS**

#### **Course Co-Director**

Neurotology/Skull Base Surgery  
*Assistant Professor*  
Mayo School of Medicine, Departments of  
Otolaryngology-Head and Neck Surgery  
and Neurosurgery  
Medical Director Cochlear Implant Program  
Mayo Clinic  
Phoenix, AZ

### **Sepideh Amin-Hanjani, MD, FAANS, FACS, FAHA**

*Professor and Program Director*  
*Co-Director, Neurovascular Surgery*  
Department of Neurosurgery  
University of Illinois at Chicago  
Chicago, IL

### **Alia Hdeib, MD**

*Assistant Professor of Neurosurgery*  
Case Western Reserve University School  
of Medicine  
University Hospitals Cleveland Medical Center  
Louis Stokes VA Cleveland Medical Center  
Cleveland, OH

### **Manish K. Kasliwal, MD, MCh**

*Director, Minimally Invasive Spine Surgery*  
*Assistant Professor, Neurological Surgery*  
The Neurological Institute  
University Hospitals Cleveland Medical Center  
Cleveland, OH

### **Louis Kim, MD**

*Professor*  
Neurological Surgery & Radiology  
University of Washington School of Medicine  
Seattle, WA

### **Michael J. Link, MD**

*Professor of Neurosurgery*  
*Director, Skull Base Dissection Laboratory*  
*Department of Neurologic Surgery*  
Mayo Clinic  
Rochester, MN

### **Cliff A. Megerian, MD**

*Professor and Chair, Department of*  
*Otolaryngology – Head and Neck Surgery*  
*Richard W. and Patricia R. Pogue Chair in Auditory*  
*Surgery and Hearing Sciences*  
Case Western Reserve University School  
of Medicine  
*Director, Department of Otolaryngology –*  
*Head and Neck Surgery*  
*Medical Director of Cochlear Implantation*  
University Hospitals Case Medical Center  
Cleveland, OH

### **Sarah Mowry, MD, FACS**

*Assistant Professor, Otolaryngology and*  
*Balance Disorders*  
Case Western Reserve University School  
of Medicine  
University Hospitals Case Medical Center  
Ear, Nose and Throat Institute  
Cleveland, OH

## *Faculty, continued*

### **Peter Nakaji, MD**

*Professor of Neurosurgery  
Director, Neurosurgery Residency Program  
Barrow Neurological Institute  
St. Joseph's Hospital and Medical Center  
Phoenix, AZ*

### **Joseph M. Zabramski, MD**

*Professor of Neurological Surgery  
Chair, Section of Cerebrovascular Surgery  
Barrow Neurological Institute  
St. Joseph's Hospital and Medical Center  
Phoenix, AZ*

### **Maroun T. Semaan, MD, FACS**

*Associate Professor of Otolaryngology  
Case Western Reserve University School  
of Medicine  
Chief-Division of Otology, Neurotology and  
Balance Disorders  
University Hospitals Case Medical Center  
Ear, Nose and Throat Institute  
Cleveland, OH*



The commitment to exceptional patient care begins with revolutionary discovery. University Hospitals Case Medical Center is the primary affiliate of Case Western Reserve University School of Medicine, a national leader in medical research and education and consistently ranked among the top research medical schools in the country by U.S. News & World Report. Through their faculty appointments at Case Western Reserve University School of Medicine, physicians at UH Case Medical Center are advancing medical care through innovative research and discovery that bring the latest treatment options to patients.



# Program Agenda

## Thursday, August 31, 2017 | Day 1 – Posterolateral Craniovertebral Junction

- 7:30 am **Welcome and Continental Breakfast**
- 8:00-8:25 Anatomy of the Craniovertebral Junction – *Joseph Zabramski*
- 8:25-9:05 Treatment Algorithms and Approaches for Resection of Acoustic Neuromas – *Michael Link*
- 9:05-9:45 Resection of Skull Base Tumors and Complication Management – *Nicholas Bambakidis*
- 9:45-10:10 Vascular Lesions of the CVJ – *Peter Nakaji*
- 10:10-10:35 Revascularization of the Posterior Circulation – *Sepideh Amin-Hanjani*
- 10:35-11:00 The Role of Endovascular Treatment Options in the CVJ – *Louis Kim*
- 11:00-11:45 Middle Fossa, Translabyrinthine, Transpetrous and Combined Approaches – *Maroun Semaan, Sarah Mowry, Peter Weisskopf, Cliff Megerian*
- 11:45-12:30 pm **Break and Lunch**
- 12:30-5:00 **Laboratory Session** – 7 stations including pro-section - 3 students per station  
Retrosigmoid/Translabyrinthine/Transpetrosal – 2.5 hours  
Far Lateral Approach and Variations – 2 hours
- 7:00 **Course Dinner** – Lago Restaurant  
*Transportation will be provided*

## Friday, September 1, 2017 | Day 2 – Occipitocervical Fixation

- 8:15 am **Welcome and Continental Breakfast**
- 8:45-9:30 Fixation Techniques of the Occiput-C1-C2 – *Manish Kasliwal*
- 9:30-10:00 Subaxial Fixation Techniques C3 – Upper Thoracic Spine – *Alia Hdeib*
- 10:00-10:45 Indications for Treatment and Case Examples – *Manish Kasliwal*
- 11:00-3:00 pm **Laboratory Session and Lunch** – 5 stations - 4 students per station  
Occipito-cervical Fixation, Subaxial Fixation/Upper Thoracic Spinal Fixation
- 3:00 **Course Adjourns and Departures**

## Resident & Fellow Educational Grant Policy and Procedure

The policy and procedure herein describes who is eligible to participate in this two day course, what the grant will cover, and the steps to follow to apply.

Fifth & Sixth Year Neurosurgery Residents who are interested in the surgical management of pathologies involving the craniovertebral junction may apply online at [www.academiceventmanagement.com](http://www.academiceventmanagement.com) to request an educational grant to attend this course.

***The educational grant will cover the following for 18 neurosurgery residents:***

- Tuition
- Lodging for up to 2 nights, room & tax only. Two residents/fellows assigned per room.
- Roundtrip airfare (nonrefundable coach) or if driving, reimbursement for mileage, tolls and parking.
- Meals & refreshment breaks at the course.

***The educational grant will not cover:***

- Incidentals, miscellaneous expenses at the hotel. A credit card will be required at hotel check-in.
- Transportation to and from the home city airport, and the Cleveland airport and hotel.
- Food & beverage expenses (outside the course agenda).

## ***Procedure for Course Registration***

1. Go online at **www.academiceventmanagement.com** and apply for the course. Go to events and click on Surgery of the Craniovertebral Junction. You must get permission from your Program Director to attend.
2. Applicants will be accepted on a first-come basis. The course is limited to 18 attendees, one resident per institution. Register early!
3. Academic Event Management will notify you by email when your application is received. A second email will indicate whether you are accepted into the course or are wait-listed.
4. Academic Event Management will provide details regarding air travel and hotel. Please do not arrange travel and lodging on your own, since you will not be reimbursed. Academic Event Management will book your airfare and hotel for you. Two residents/fellows will be assigned per double sleeping room.
5. Upon hotel check-in you will need to provide a credit card for incidentals. Academic Event Management will cover room & tax only.
6. If you need to cancel after you are accepted into the course, please contact us immediately so that wait-listed residents can be accommodated.
7. Please do not plan to bring a spouse/guest, since we cannot accommodate these individuals at the hotel or course in compliance with the AdvaMed Code of Ethics.

Apply online at [www.academiceventmanagement.com](http://www.academiceventmanagement.com)  
Go to events and click on Surgery of the Craniovertebral Junction

For more information contact Pat Fitzwater at  
**Academic Event Management.**

**ONLINE**

[www.academiceventmanagement.com](http://www.academiceventmanagement.com)

**PHONE**

805.300.9154

**EMAIL**

[pat@academiceventmanagement.com](mailto:pat@academiceventmanagement.com)

