

# KRANZLER CHICAGO REVIEW

## COURSE IN NEUROSURGERY



**JANUARY 24 – 31, 2020**  
INTERCONTINENTAL HOTEL, CHICAGO, IL

### **COURSE DIRECTOR**

Martin D. Herman, MD, PhD  
University of Chicago



AT THE FOREFRONT

**UChicago**  
**Medicine**



[cme.uchicago.edu/ChicagoReview2020](https://cme.uchicago.edu/ChicagoReview2020)

# INFORMATION

## COURSE DESCRIPTION

The **Chicago Review Course in Neurosurgery** has been recognized as the most thorough review of neurosurgery to residents and practicing physicians for more than forty years. Founded in 1973, this course was launched in an effort to provide a comprehensive and intensive review for residents preparing for their written boards, newly-established neurosurgeons preparing for their oral boards, and practicing neurosurgeons who want to ensure their diagnostic and surgical skills are current.

The course has been renamed to memorialize Dr. Leonard Kranzler's forty year commitment to directing the course, and is now hosted by Dr. Martin Herman and the University of Chicago. The week-long course has been updated to include continuous quiz questions to participants and self-assessment modules to supplement the rigorous lecture schedule offering basic neuroscience, neurology, neuro-ophthalmology, neuropathology, neuroradiology, neuro-oncology, pediatric neurosurgery, vascular neurosurgery, and functional and spine neurosurgery.

### NEW FOR 2020:

- New speakers with test-focused content and interactive session quizzes
- Lecture videos for future study
- 20% lower cost than previous years

# INFORMATION

## LEARNING OBJECTIVES

At the conclusion of this activity, participants will be able to:

- Discuss how to apply principles of neuroanatomy to neurosurgical practice;
- Characterize how to integrate principles of neuropathology to diagnosis and treatment;
- Describe how knowledge of basic science can improve clinical and surgical practices;
- Recognize pathological abnormalities relevant to neurosurgery;
- List the principles of general surgery relevant to neurosurgery;
- Analyze the benefits of neurosurgical treatments and their limitations;
- Recognize the evidence-based principles associated with neurosurgery and the treatment of pain;
- Discuss strategies for managing common complications related to neurosurgery.

## TARGET AUDIENCE

This activity is designed for physicians and other healthcare professionals in the specialty of neurosurgery.

## PHYSICIAN CREDIT

The University of Chicago Pritzker School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Chicago Pritzker School of Medicine designates this live activity for a maximum of 68.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## OTHER HEALTHCARE PROFESSIONS CREDIT

Nurses and other healthcare professionals will receive a Certificate of Participation. For information on the applicability and acceptance of Certificates of Participation for educational activities certified for *AMA PRA Category 1 Credits™* from organizations accredited by the ACCME, please consult your professional licensing board.

## ACCESSIBILITY

The University of Chicago is committed to providing equal access appropriate to need and circumstance and complies fully with the legal requirements of the Americans with Disabilities Act. If you are in need of special accommodation, please contact our office at 219.465.1115 or via email at [support@meetingachievements.com](mailto:support@meetingachievements.com).

## LOCATION AND ACCOMMODATIONS

The conference will be held at InterContinental Chicago Magnificent Mile, 505 N Michigan Ave, Chicago, IL 60611. Rooms have been reserved and will be available for a discounted rate of \$119+ USD per night (Grand Tower). Check-in: 3:00pm CT; check-out: 11:00am CT.

Individual guests must make their reservations by **5:00 PM CT on January 2, 2020**. After the cut-off date, it is at the hotel's discretion whether to accept additional reservations, which will be subject to prevailing group rates based on availability. Individual reservations can be canceled at least 72 hours prior to arrival date without penalty. If a reservation is canceled within 72 hours of arrival, a 1 night room and tax charge will apply.

To reserve a sleeping room attached to the group room block, call the hotel at 800-628-2112 and identify yourself as part of the *Chicago Review Course* or reference booking code *PVA*. The room block may fill prior to the cutoff date, so be sure to make your reservations early.

## EDUCATIONAL GRANTS/ COMMERCIAL SUPPORT

A complete listing of commercial support received will be provided in the conference materials



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## DISCLOSURE DECLARATIONS

As a provider accredited by the ACCME, The University of Chicago Pritzker School of Medicine asks everyone who is in a position to control the content of an education activity to disclose all relevant financial relationships with any commercial interest. This includes any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients. The ACCME defines "relevant financial relationships" as financial relationships in any amount, occurring within the past 12 months, including financial relationships of a spouse or life partner that could create a conflict of interest. Mechanisms are in place to identify and resolve any potential conflict of interest prior to the start of the activity. Additionally, The University of Chicago Pritzker School of Medicine requires Authors to identify investigational products or off-label uses of products regulated by the US Food and Drug Administration, at first mention and where appropriate in the content.



### COURSE DIRECTOR

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### SPEAKERS

#### UNIVERSITY OF CHICAGO

Issam Awad, MD  
Julien Bailes, MD  
David Frim, MD, PhD  
Martin Herman, MD, PhD  
Peleg Horowitz, MD, PhD  
Anthony Reder, MD  
Helene Rubeiz, MD  
Kieth Ruskin, MD  
Peter Warnke, MD  
Bakhtier Yamini, MD  
Carina Yang, MD

#### UNIVERSITY OF ILLINOIS

Sepideh Amin-Hanjani, MD  
Thomas Mizen, MD  
Konstantin Slavin, MD  
Manuel Utset, MD

#### LOYOLA UNIVERSITY

Anand Germanwala, MD  
Vikram Prabhu, MD  
Michael Schneck, MD  
Joseph Serrone, MD

#### RUSH UNIVERSITY

Richard Byrne, MD  
Michael Lin, MD  
Richard Penn, MD  
Vincent Traynelis, MD

#### NORTHWESTERN UNIVERSITY

Joshua Rosenow, MD  
Adam Sonabend, MD

#### MAYO CLINIC

Michael Link, MD  
Robert Spinner, MD

#### CLEVELAND CLINIC

David Rothner, MD  
Michael Steinmetz, MD

#### UNIVERSITY OF MIAMI

Allen Levi, MD, PhD

#### HARVARD UNIVERSITY

R. Gilberto Gonzalez, MD

#### UNIVERSITY OF PENNSYLVANIA

Robert A. Zimmerman, MD

#### UNIVERSITY OF NORTH CAROLINA

Mauricio Castillo, MD

#### MOUNT SINAI HOSPITAL NEW YORK

Thomas Naidich, MD

#### METROHEALTH, CLEVELAND

Agnieszka Ardelt, MD, PhD



# AGENDA

## FRIDAY, JANUARY 24

### NEURORADIOLOGY/ID

- 7:30 am **COURSE INTRODUCTION**  
Martin Herman, MD, PhD
- 8:00 am **Brain Surface Anatomy**  
Thomas Naidich, MD
- 8:50 am **The Insula**  
Thomas Naidich, MD
- 9:10 am **Vascular Anatomy**  
Thomas Naidich, MD
- 10:00 am **BREAK**
- 10:20 am **White Matter Anatomy-  
Tractography**  
Thomas Naidich, MD
- 11:00 am **Basal Ganglia/Thalamus,  
Cerebellum**  
Thomas Naidich, MD
- 11:40 am **Brainstem & Cranial Nerves**  
Thomas Naidich, MD
- 12:20 pm **LUNCH**
- 1:10 pm **Spinal Tumors, Spinal Infection**  
Mauricio Castillo, MD
- 2:00 pm **Sellar and Parasellar Tumors**  
R. Gilberto Gonzalez, MD
- 3:15 pm **BREAK**
- 3:30 pm **Infections of CNS**  
Michael Lin, MD
- 5:30 pm **Vascular Malformations/  
Vasculitis**  
Mauricio Castillo, MD

## SATURDAY, JANUARY 25

### NEURORADIOLOGY/ PATHOLOGY

- 7:30 am **Aneurysms and AVM**  
Mauricio Castillo, MD
- 8:30 am **Adult White Matter Disease**  
Mauricio Castillo, MD
- 9:30 am **Embryology of the CNS**  
Thomas Naidich, MD
- 10:30 am **BREAK**
- 11:00 am **Mal-Segmentation of the  
Spine, Dysraphism**  
Robert A. Zimmerman, MD

- 12:00 pm **Congenital Malformations  
of Face & Brain**  
Robert A. Zimmerman, MD
- 1:00 pm **LUNCH**
- 2:00 pm **Gliomas and Imaging**  
Thomas Naidich, MD
- 2:40 pm **Supratentorial Extra-Axial  
Adult Tumors**  
Thomas Naidich, MD
- 3:30 pm **Infratentorial Extra-Axial  
Adult Tumors**  
Thomas Naidich, MD
- 4:00 pm **Post-Treatment Glioma Imaging**  
Mauricio Castillo, MD
- 4:30 pm **BREAK**
- 5:00 pm **Pathology**  
Manuel Utset, MD

## SUNDAY, JANUARY 26

### NEUROLOGY/ PERIPHERAL NERVE

- 7:30 am **Neuro-Ophthalmology**  
Thomas Mizen, MD
- 10:30 am **BREAK**
- 10:50 am **Peripheral Nerve I**  
Robert Spinner, MD
- 12:00 pm **LUNCH**
- 1:00 pm **Peripheral Nerve II**  
Robert Spinner, MD
- 2:45 pm **BREAK**
- 3:00 pm **Neurophysiology/EMG**  
Helene Rubeiz, MD
- 4:00 pm **Neuroanaesthesia**  
Kieth Ruskin, MD

## MONDAY, JANUARY 27

### TUMOR

- 7:30 am **Acoustic/Cavernous Sinus/  
Jugular Foramen**  
Michael Link, MD
- 10:30 am **BREAK**
- 10:45 am **Pituitary Disease**  
Anand Germanwala, MD

# AGENDA

- 12:15 pm **LUNCH**
- 1:00 pm **Trans-Sphenoidal Surgery**  
Anand Germanwala, MD
- 2:30 pm **Primary Brain Tumors and Genetics**  
Peleg Horowitz, MD, PhD
- 3:30 pm **BREAK**
- 4:00 pm **Meningioma**  
Vikram Prabhu, MD
- 5:00 pm **Cortical Anatomy & Metastasis**  
Adam Sonabend, MD

## TUESDAY, JANUARY 28 FUNCTIONAL

- 7:30 am **Basal Ganglia Anatomy**  
Joshua Rosenow, MD
- 8:30 am **Cortical Monitoring/Epilepsy**  
Richard Byrne, MD  
Sepehr Sani, MD
- 10:30 am **BREAK**
- 11:00 am **DBS for Parkinson/Dystonia**  
Richard Penn, MD
- 12:00 pm **LUNCH**
- 12:45 pm **Central & Periph Demyelinating Diseases**  
Anthony Reder, MD
- 2:30 pm **SRS/Critical Analysis of Published Articles**  
Peter Warnke, MD
- 3:30 pm **BREAK**
- 4:00 pm **Treatment of Pain/Trigeminal Neuralgia**  
Konstantin Slavin, MD

## WEDNESDAY, JANUARY 29 VASCULAR

- 7:30 am **Aneurysms/SAH**  
Sepideh Amin-Hanjani, MD
- 9:30 am **BREAK**
- 10:00 am **Cerebrovascular Malformation**  
Issam Awad, MD
- 12:00 am **LUNCH**

- 12:45 pm **ICH and IVH**  
Issam Awad, MD
- 2:00 pm **Endovascular/Carotid Disease**  
Joseph Serrone, MD
- 3:30 pm **BREAK**
- 4:00 pm **Stroke**  
Michael Schneck, MD

## THURSDAY, JANUARY 30 SPINE

- 7:30 am **C1/C2 Pathology**  
Vincent Traynelis, MD
- 9:00 am **BREAK**
- 9:30 am **Motor Neuron Anatomy**  
Martin Herman, MD, PhD
- 10:30 am **Spine Biomechanics/Tumor Surgery**  
Michael Steinmetz, MD
- 12:30 pm **LUNCH**
- 1:30 pm **Spinal Cord Injury/Non-Traumatic Spine**  
Allen Levi, MD, PhD
- 3:00 pm **BREAK**
- 4:30 pm **Critical Care**  
Agnieszka Ardelt, MD, PhD

## FRIDAY, JANUARY 31 PEDIATRICS/TRAUMA

- 7:30 am **Congenital Anomalies**  
David Rothner, MD
- 9:00 am **BREAK**
- 9:20 am **Peds Tumor/Pineal/Germinoma**  
Bakhtier Yamini, MD
- 10:45 am **Chiari/Myelomeningocele**  
David Frim, MD, PhD
- 12:15 pm **LUNCH**
- 1:00 pm **Peds Neuroradiology**  
Carina Yang, MD
- 2:15 pm **Head Injury (Peds/Sports Inj/Adult)**  
Julien Bailes, MD

# REGISTRATION


## KRANZLER CHICAGO REVIEW COURSE IN NEUROSURGERY


REGISTRATION FEE	EARLY REGISTRATION Ends Dec. 1, 2019	EARLY BIRD CODE	REGULAR RATE As of Dec. 2, 2019
Neurosurgery Attending	<input type="checkbox"/> \$2400	n/a	<input type="checkbox"/> \$2400
Neurosurgery Resident*	<input type="checkbox"/> \$1800	NEUROR20	<input type="checkbox"/> \$2000

\*Use the early bird code during registration to receive the early bird rate.

Early bird rate expires December 1, 2019!

### HOW TO REGISTER

 **ONLINE** - (credit card payment only)  
[cme.uchicago.edu/ChicagoReview2020](http://cme.uchicago.edu/ChicagoReview2020)

 **MAIL** - To pay by check, you must mail  
this registration form with payment to:  
The University of Chicago  
Center for Continuing Medical Education  
5841 S. Maryland Ave., MC 1137  
Chicago, IL 60637  
ATTN: Chicago Review 2020

### CANCELLATION POLICY

If you cancel your participation in this conference, your registration fee less a \$150 administrative fee will be refunded when written notification is received by **January 1, 2020**. No refunds will be made after January 3, 2020.

### ADDITIONAL INFORMATION

For information regarding course, contact Meeting Achievements at 219.465.1115 or email [janelle@meetingachievements.com](mailto:janelle@meetingachievements.com).

### PLEASE TYPE OR PRINT

Name \_\_\_\_\_ Degree \_\_\_\_\_

Specialty \_\_\_\_\_

Organization \_\_\_\_\_

Preferred Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

 Please indicate any special needs \_\_\_\_\_

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