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WCMC CME activities are intended to be evidence-based and free of commercial bias. If you have any concerns, please call the Office of Continuing Medical Education at 646-962-6931 to anonymously express them.

ACCOMMODATIONS

Discounted accommodations are available. Visit the course web site for more information and to reserve a room. Discounted accommodations are available only while supply lasts.

LOCATION/TRAVEL

Weill Cornell Medical College
Belfer Research Building
413 East 69th Street, New York, NY 10021

Anatomy Lab
1300 York Avenue, New York, NY 10065

BY CAR: FDR driving SOUTH, exit at 71st Street. FDR driving NORTH, exit at 63rd Street, and proceed to 1300 York Avenue. Nearby garage parking is available.

BY AIR: Arrivals at LaGuardia, John F. Kennedy and Newark International Airports. Public transportation and taxi service are available from all three airports.

FOR ADDITIONAL INFORMATION, EMAIL:
NEUROSURGERY-CME@MED.CORNELL.EDU

COURSE CO-DIRECTORS

Theodore H. Schwartz, M.D., F.A.C.S.
David and Ursel Barnes Professor in Minimally Invasive Surgery
Professor of Neurosurgery, Neurology, and Otolaryngology
Director, Center for Epilepsy and Pituitary Surgery
Co-Director, Surgical Neuro-oncology
Weill Cornell Medicine and NewYork-Presbyterian

Mark M. Souweidane, M.D., F.A.C.S., F.A.A.P.
Vice Chairman, Neurological Surgery;
Director, Pediatric Neurological Surgery
Weill Cornell Medicine and NewYork-Presbyterian

FACULTY

Vijay Anand, M.D.
Clinical Professor of Otolaryngology, Head and Neck Surgery
Weill Cornell Medicine and NewYork-Presbyterian

Michael Kaplitt, M.D., Ph.D.
Vice Chair, Research, Neurological Surgery
Professor of Neurological Surgery
Director, Movement Disorders and Pain
Director, Residency Program
Weill Cornell Medicine and NewYork-Presbyterian

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Emory University

Rohan Ramakrishna, M.D.
Alvina and Willis Murphy Assistant Professor, Neurological Surgery
Weill Cornell Medicine and NewYork-Presbyterian

Philip E. Stieg, Ph.D., M.D.
Chairman and Neurosurgeon-in-Chief
NewYork-Presbyterian Weill Cornell Medical Center
Director, Weill Cornell Medicine Brain and Spine Center

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525 East 68th Street, Box 99
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REGISTER TODAY

Minimally Invasive Cranial Neurosurgery: Recent Technical Advances with Hands-on Laboratory



**Friday and Saturday
June 7-8, 2019**

COURSE DIRECTORS

Theodore H. Schwartz, M.D., F.A.C.S.
Mark M. Souweidane, M.D, F.A.C.S., F.A.A.P.

GUEST FACULTY

John Lee, M.D., M.S.C.E
Gustavo Pradilla, M.D., F.A.A.N.S

LOCATION

**Weill Cornell
Medical College
1300 York Avenue
New York, NY 10065**

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**Weill Cornell
Medicine**
Medical College

Minimally Invasive
Cranial Neurosurgery:
Recent Technical Advances with
Hands-on Laboratory

SPONSORED BY: Weill Cornell Medical College

2-DAY COURSE DESCRIPTION

The future of neurosurgery is in minimally invasive techniques. This course is a comprehensive overview of the newly emerging field of minimally invasive cranial neurosurgery, combining didactic sessions with hands-on cadaver dissection. Endoscopic instruments and surgical navigation equipment will be available to participants for use on fresh cadavers during laboratory sessions. Participants will have an opportunity to discuss difficult cases with the faculty during panel discussions. At the completion of this course, participants should be well equipped to start utilizing these approaches in their own practices.

COURSE CO-DIRECTORS

Theodore H. Schwartz, M.D., F.A.C.S.
Mark M. Souweidane, M.D, F.A.C.S., F.A.A.P.

COURSE COORDINATOR

Tatiana Soto
email: neurosurgery-cme@med.cornell.edu

DATE AND TIME

Friday and Saturday, June 7-8, 2019 • 7:30am-5:00pm
Registration: 7:30-7:45am

LOCATION

Weill Cornell Medical College
Belfer Research Building Gross Anatomy Lab
413 E 69th Street 1300 York Avenue
3rd floor Basement
New York, NY 10021 New York, NY 10065

FEES AND REGISTRATION

LECTURE SERIES AND LABORATORY

- Physicians
- Residents/Fellows
- Nurses, PAs, and other clinical providers

LECTURE ONLY

- Physicians
- Residents/Fellows
- Nurses, PAs, and other clinical providers

*Register and submit payment before May 7, 2019 to receive the Early Bird Discount.

REFUND POLICY: An administrative fee of \$200 will be retained on all cancellations. All refund requests must be in writing and must be postmarked by May 17, 2019. After this date, no refunds are possible.

EDUCATIONAL OBJECTIVE

By the conclusion of this activity, participants should be able to:

- Recognize the indications and technical steps required to perform tube-based surgery for intraparenchymal brain tumors and hematomas
- Perform keyhole microsurgery of the anterior and posterior fossa
- Achieve a working knowledge of robotic stereotactic placement of LITT and catheter-based therapy and their indications
- Develop a greater expertise of the complex skull base anatomy and indications for expanded endoscopic skull base approaches

IDENTIFIED PRACTICE GAPS/EDUCATIONAL NEEDS

Neurosurgery is evolving as a field and becoming increasingly less invasive. Minimally invasive neurosurgical techniques not only reduce length of stay but also reduce complications and improve patient outcomes. The future of neurosurgery is in minimally invasive techniques, but these techniques are generally developed at tertiary care academic centers and not widely performed at smaller hospitals or even academic centers where expertise is lacking. There is a significant need for training in these newer techniques so that surgeons at other institutions can increase their proficiency in these procedures. The replacement of more invasive larger craniotomies with novel minimally invasive surgical approaches should lead directly to improvements in patient outcomes.

TARGET AUDIENCE—NATIONAL

This course is designed for practicing neurosurgeons and endoscopic surgeons, both national and international, and fellows and residents in training. Nurses, NPs, and PAs are also welcome.

ACCREDITATION AND CREDIT DESIGNATION STATEMENTS

Weill Cornell Medical College is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Weill Cornell Medical College designates this live activity for a maximum of 16 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

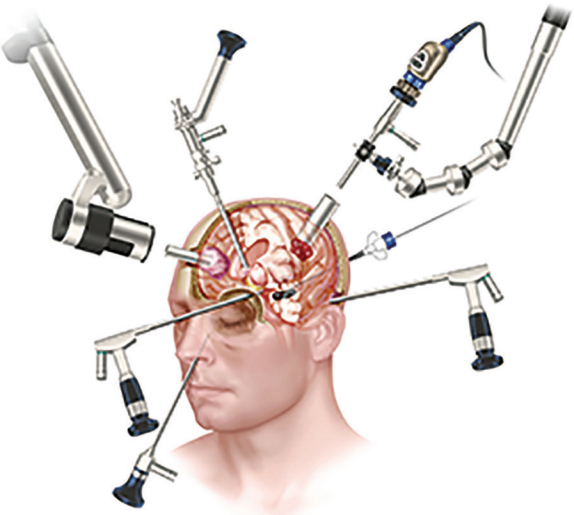
COURSE AGENDA

Day 1 — Friday, June 7, 2019

- 7:30am-7:45am Registration and Breakfast
Belfer Research Building
- 7:45am-8:00am Introduction and Welcome Remarks
Philip E. Stieg, Ph.D., M.D.
- 8:00am- 8:30am DTI Imaging, Exoscopes, and Transsulcal Tubular Surgery
Gustavo Pradilla, M.D.
- 8:30am- 9:00am Tubular Surgery for Intrinsic Brain Tumors
Theodore H. Schwartz, M.D.
- 9:00am-9:30am Minitubes for Tumor Biopsy
Rohan Ramakrishna, M.D.
- 9:30am-10:00am Endoscopic Intraventricular Surgery
Mark M. Souweidane, M.D.
- 10:00am-10:30am Break
- 10:30am-11:00am Minimally Invasive Approaches for Clot Evacuation
Jared Knopman, M.D.
- 11:00am-11:30am Endoscope-Assisted Posterior Fossa Surgery
John Lee, M.D.
- 11:30am-12:00pm Approaches to the Orbit
Benjamin Levine, M.D.
- 12:00pm-12:30pm Eyebrow and Eyelid Approaches to the Anterior Skull Base
Theodore H. Schwartz, M.D.
- 12:30pm- 1:15pm Case Presentations: Interesting Cases
Mark M. Souweidane, M.D.
- 1:15pm-2:00pm Lunch
Griffis Faculty Club
- 2:00pm-5:00pm Hands-On Lab Dissection
Anatomy Lab

Day 2 — Saturday, June 8, 2019

- 7:30am-7:45am Registration and Breakfast
Belfer Research Building



- 7:45am-8:00am Introduction and Welcome Remarks
Theodore H. Schwartz, M.D.
- 8:00am- 8:30am Stereotactic Placement of Catheters, Manual and Robotic
Michael Kaplitt, M.D., Ph.D.
- 8:30am- 9:00am Recent Advances in Intraparenchymal Drug Delivery
Mark M. Souweidane, M.D.
- 9:00am-9:30am Laser Interstitial Thermal Therapy for Brain Tumors and Epilepsy
Theodore H. Schwartz, M.D.
- 9:30am-10:00am Applications of Focused Ultrasound in Neurosurgery
Michael Kaplitt, M.D., Ph.D.
- 10:00am-10:30am Break
- 10:30am-11:00am Endoscopic Sinus Anatomy and Approaches
Vijay Anand, M.D.
- 11:00am-11:30am Endoscopic Pituitary Surgery
Gustavo Pradilla, M.D.
- 11:30am-12:00pm Endoscopic Skull Base Surgery
Theodore H. Schwartz, M.D.
- 12:00pm-12:30pm The Use of Fluorescent Dyes in Brain Tumor Surgery
John Lee, M.D.
- 12:30pm-1:15pm Case Presentations: Interesting Cases
Mark M. Souweidane, M.D.
- 1:15pm-2:00pm Lunch
Griffis Faculty Club
- 2:00pm-5:00pm Hands-On Lab Dissection
Anatomy Lab