

REGISTER
TODAY



Indications and Controversies of Minimally Invasive Spine Surgery and Navigation: *Hands-on Symposium*

December 2-4, 2010

COURSE DIRECTORS

Roger Härtl, MD
Luiz M. Pimenta, MD

FACULTY

Neel Anand, MD
Rudolf Beisse, MD
Rudolph Bertagnoli, MD
Oheneba Boachie-Adjei, MD
Dean Chou, MD
Eric Elowitz, MD
Paul C. McCormick, MD
Praveen Mummaneni, MD
Kim Pollock, RN, MBA, CPC
Frank J. Schwab, MD
Eric Sipos, MD
Tony Tannoury, MD
William Taylor, MD
William D. Tobler, MD
Michael Wang, MD

LOCATION

Weill Greenberg Center
1305 York Avenue
Second Floor
Conference Rooms –
A, B, and C
New York, NY 10065



Weill Cornell Medical College

 **NewYork-Presbyterian**
The University Hospital of Columbia and Cornell

REGISTER ONLINE:
www.cornellneurosurgery.org

NewYork-Presbyterian Hospital

525 East 68TH Street
New York, New York 10065

NON-PROFIT ORG
U.S. POSTAGE
PAID
PERMIT 1043
NEW YORK, NY

REGISTER NOW AT www.cornellneurosurgery.org

ACCREDITATION

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 educational activity for a maximum of *16 AMA PRA Category 1 Credit(s)*™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

FACULTY DISCLOSURE

It is the policy of Weill Cornell Medical College to adhere to ACCME Essential Areas, Policies, and Standards for Commercial Support and content validation in order to ensure fair balance, independence, objectivity, and scientific rigor in all its sponsored programs. All faculty participating in sponsored programs are expected to disclose to the audience any potential, apparent, or real conflict of interest related to their contribution to the activity, and any discussions of off-label or investigational uses of any commercial products or devices not yet approved in the United States. All disclosures will be made at the time of this CME activity.

HOTEL ACCOMMODATIONS

Accommodations at the New York Marriott Upper East Side Hotel have been arranged. The New York Marriott Upper East Side Hotel is located at 410 East 92nd Street. You must specify that you are enrolled in the *Indications and Controversies of Minimally Invasive Spinal Surgery and Navigation* course sponsored by the Weill Cornell Medical College to obtain these discounted accommodation rates. In order to secure a room, reservations must be made no later than 11/1/2010.

FOR INFORMATION:

New York Marriott Upper East Side Hotel
(800) 321-2211 or <http://www.marriott.com>
group code: Weill Cornell Medical College Room Block

LOCATION/TRAVEL

Weill Greenberg Center
1305 York Avenue
Second Floor, Conference Rooms A, B, and C
New York, New York 10065

BY CAR: FDR driving SOUTH, exit at 71st Street.
FDR driving NORTH, exit at 63rd Street, and proceed to 1305 York Avenue.
Garage parking is available.

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

Indications and Controversies of Minimally Invasive Spine Surgery and Navigation: *Hands-on Symposium*

FEES-3 OPTIONS: I will be attending: (CHECK APPROPRIATE BOX)

Lecture series and laboratory: *

- ☐ Neurosurgeons, Orthopedic Spine Surgeons \$1,500.
☐ Resident/Fellow \$ 750.
☐ Lecture only \$ 500.

*Participant registration includes course materials and meals.

REFUND POLICY: An administrative fee of \$200. will be retained on all cancellations. All requests for refunds must be in writing and must be postmarked by November 15, 2010. After this date, no refunds are possible.

MAIL TO: NewYork-Presbyterian Hospital • Attn: Marketing Department, 525 E. 68th Street, Box 51, NY, NY 10065 • (212) 585-6800

DATE AND TIME:

Thursday/Friday/Saturday
December 2-4, 2010

LOCATION:

Weill Greenberg Center • 1305 York Avenue • Second Floor
Conference Rooms A, B, and C • New York, NY 10065

TO REGISTER:

Register ONLINE at www.cornellneurosurgery.org or FILL OUT and mail this registration card along with your payment. Email inquiries: jcg9059@nyp.org

☐ **Yes, I would like to attend.** (PLEASE PRINT ALL INFORMATION BELOW)

NAME: _____ DEGREE: _____
SPECIALTY: _____ AFFILIATION: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
DAYTIME TELEPHONE: _____ FAX: _____
EMAIL ADDRESS: _____
SIGNATURE: _____

Please mail checks payable to: **NEWYORK-PRESBYTERIAN HOSPITAL**

Indications and Controversies of Minimally Invasive Spine Surgery and Navigation: *Hands-on Symposium*

SPONSORED BY
Weill Cornell Medical College and NewYork-Presbyterian Hospital

OVERVIEW/3-DAY COURSE DESCRIPTION
The purpose of this symposium is to provide a comprehensive overview on new and less invasive techniques with and without stereotactic navigation for the operative treatment of spinal disorders. Proponents and critics of MIS surgery will discuss the pros and cons of MIS approaches, establishing the skills essential in selecting appropriate patients for MIS surgery. Practical sessions will allow the participant to apply the latest spinal techniques including spinal navigation in cadavers. Combining didactic sessions with hands-on cadaveric dissections, course participants should be well-equipped to start utilizing these approaches in their own practices. A computerized, interactive audience response system will be available during sessions to increase feedback and allow voting. Participants will have an opportunity to discuss difficult cases with the faculty during the course of panel discussions.

COURSE DIRECTORS
Roger Härtl, MD
Luiz M. Pimenta, MD

COURSE MANAGER
Jessica Grajales (212.585-6800), fax: (212.297-5569)
email: jeg9059@nyp.org

DATE AND TIME
Thursday/Friday/Saturday ■ December 2–4, 2010
Registration: December 2, 2010, 12:00 PM

LOCATION
Weill Greenberg Center
1305 York Avenue
Second Floor, Conference Rooms A, B, and C
New York City, NY 10065

STATEMENT OF NEED
Minimally invasive spinal surgery techniques and navigation for spinal surgery are rapidly evolving. This course will teach and update spine surgeons on the current surgical techniques and will provide hands-on experience. Traditional spinal surgery carries a risk for injury to back muscles and is associated with significant blood loss, long hospital stays and recovery times. Recent reports on less invasive spinal surgery indicate that minimally invasive spinal surgery reduces these downsides. Minimally invasive surgery and navigation are rapidly evolving and include technically demanding techniques that require extensive training and education. Recently published articles document that minimally invasive spinal surgery is a rapidly evolving field that requires constant training and updating of a surgeon's skills.

TARGET AUDIENCE—NATIONAL/INTERNATIONAL
This course is designed for practicing neurosurgeons and orthopedic spine surgeons, fellows and residents in training.

EDUCATIONAL OBJECTIVES
The objective of any CME program is to improve patient care. Upon completion of this course, participants will be able to:

1. Understand the anatomy and radiology of spinal and paraspinal structures in the lumbar and sacral region;
2. Determine which types of pathology are amenable to minimally invasive spinal surgery;
3. Be familiar with state-of-the-art minimally invasive surgery used in these approaches;
4. Understand the principles of stereotactic spinal navigation and its use for minimally invasive spinal procedures;
5. Debate on the pros and cons of MIS approaches and selection of patients for MIS surgery.

COURSE AGENDA
THURSDAY, DECEMBER 2, 2010

12:00pm	REGISTRATION AND LUNCH
1:00pm	WELCOME REMARKS Roger Härtl, MD and Luiz M. Pimenta, MD, PhD
SESSION I: MIS Techniques	
1:10pm	Background of Spine MIS; Microdiscectomy/Laminectomy using tubular access –Roger Härtl, MD
1:30pm	Minimally invasive TLIF –Praveen Mummaneni, MD
1:50pm	Transposas approach and extreme lateral interbody fusion –Luiz M. Pimenta, MD, PhD
2:10pm	Q&A
2:20pm	COFFEE BREAK
2:40pm	AxialIF: Minimally invasive presacral approach for anterior L5-S1 intervertebral discectomy and fusion –William D. Tobler, MD



SESSION II: The Socratic Debate; PROS and CONS of MIS Techniques

3:00pm	Advantages of minimally invasive spinal surgery –William Taylor, MD
3:20pm	Controversies of MIS –Frank J. Schwab, MD
3:40pm	What is the evidence? –Paul C. McCormick, MD, MPH, FACS
4:00pm	Panel discussion: What is the merit of MIS? –Drs. Härtl, McCormick, Mummaneni, Pimenta, Schwab, Tobler
5:30pm	ADJOURN

FRIDAY, DECEMBER 3, 2010

7:30am	BREAKFAST
SESSION III: Hands-on Lab	
8:00am	Overview/Instructions/Travel to Lab –Luis M. Pimenta, MD, PhD and Roger Härtl, MD
8:30am	Lab lecture: Anatomic features of lumbar musculature relevant for MIS surgery –Michael Wang, MD, FACS
9:00am	Surgical Demonstration and Lab dissection: Instructors: –Drs. Anand, Beisse, Chou, Elowitz, Härtl, Mummaneni, Pimenta, Sipos, Tannoury, Tobler, Wang
12:00pm	LUNCH
12:30pm	Panel discussion (all): How would you do this case? Degenerative, Tumor, Trauma, Cervical, Deformity
1:30pm	Advanced MIS: Patient selection and principles for deformity correction –Neel Anand, MD
1:50pm	Multilevel deformity correction: How I do it –Tony Tannoury, MD
2:10pm	3D Navigation in Spine surgery –Eric Sipos, MD, FACS
2:30pm	Surgical Demonstration and Lab dissection: Instructors: –Drs. Anand, Beisse, Chou, Elowitz, Härtl, Mummaneni, Pimenta, Sipos, Tannoury, Tobler, Wang
5:30pm	ADJOURN

SATURDAY, DECEMBER 4, 2010

7:00am	BREAKFAST
(Optional–No CME credit for the following session)	
7:30am	Billing and coding issues for minimally invasive spine surgery –Kim Pollock, RN, MBA, CPC
9:00am	Q&A
9:15am	BREAK
SESSION IV: Complex Cases	
9:25am	3D navigation for spinal surgery: Technique –Eric Sipos, MD, FACS
9:45am	MIS surgery around the world: How we do it in Europe –Rudolf Beisse, MD
10:05am	Lumbar and cervical TDR-Rationale and facts from an OUS perspective –Rudolph Bertagnoli, MD
10:25am	AxialIF and X-LIF Challenges: How I do it –Eric Elowitz, MD
10:45am	Role of MIS in deformity –Oheneba Boachie-Adjei, MD
11:05am	COFFEE BREAK

11:20am	Frontiers of MIS –Luiz M. Pimenta, MD, PhD
11:40am	MIS in tumor and trauma –Dean Chou, MD
12:00pm	Panel discussion: What is the future of MIS? –Drs. Anand, Beisse, Bertagnoli, Boachie, Chou, Elowitz, Härtl, Pimenta, Sipos, Tannoury, Wang
1:00pm	ADJOURN

COURSE DIRECTORS/FACULTY

Roger Härtl, MD Assitant Professor of Neurological Surgery Weill Cornell Medical College, New York	Luiz M. Pimenta, MD, PhD Assistant Professor of Neurological Surgery University of California, San Diego Spine Surgery Santa Rita Hospital, Sao Paulo, Brazil
---	---

FACULTY

Neel Anand, MD Director of Orthopedic Spine Surgery Cedars-Sinai Spine Center	Praveen Mummaneni, MD Associate Professor of Clinical Neurological Surgery University of California, San Francisco
Rudolf Beisse, MD Head of Department Spine Center Munich Orthopedic Hospital Munich Munich, Germany	Kim Pollock, RN, MBA, CPC Consultant and Speaker KarenZupko & Associates, INC.
Rudolph Bertagnoli, MD Chairman, Pro-Spine First European Center for Spine Arthroplasty and associated Nonfusion Technologies (ECSA) Bogen-Straubing-Munich, Germany	Frank J. Schwab, MD Clinical Associate Professor Chief of the Spinal Deformity Service NYU-Hospital for Joint Diseases
Oheneba Boachie-Adjei, MD Professor of Orthopedic Surgery Weill Cornell Medical College, New York	Eric Sipos, MD, FACS Medical Director Carondelet Neurological Institute Tucson, Arizona
Attending Orthopedic Surgeon New York Presbyterian Hospital, New York	Tony Tannoury, MD Assistant Professor, Department of Orthopedics Boston University
Attending Orthopedic Surgeon Chief of Scoliosis Service Hospital for Special Surgery, New York	Director of Spine Service and Fellowship Program Founding President of Society for Progress and Innovations Near East (S.P.I.N.E.)
Associate Attending Surgeon Memorial Sloan-Kettering Cancer Center, New York	William Taylor, MD Clinical Professor of Surgery, Division of Neurological Surgery University of California, San Diego
Dean Chou, MD Associate Professor of Neurosurgery Associate Director of Spinal Tumor Surgery University of California, San Francisco	William D. Tobler, MD Director, Department of Neurosurgery The Christ Hospital Associate Professor, Department of Neurosurgery University of Cincinnati/ Mayfield Clinic
Eric Elowitz, MD Assistant Professor, Department of Neurological Surgery Weill Cornell Medical College	Michael Wang, MD, FACS Associate Professor of Neurological Surgery & Rehabilitation Medicine University of Miami Miller School of Medicine
Paul C. McCormick, MD, MPH, FACS Herbert & Linda Gallen Professor of Neurological Surgery Columbia University College of Physicians and Surgeons	