



## Webinar - Minimally Invasive Spinal Surgery and Navigation: Part I: Basics



October 2, 2013 - October 2, 2013  
Paoli, Pennsylvania, USA

### Overview:

This is part 1 of a 3 part series titled "Minimally Invasive Spinal Surgery and Navigation". By registering for this webinar, you will be automatically registered in parts 2 and 3 (Part 2: Advanced, Part 3: Spinal Navigation). You will receive email notifications for each part. Feel free to attend any or all parts of the series.

Traditional spinal surgery carries a risk for injury to back muscles and is associated with significant blood loss, long hospital stays and recovery times. Minimally invasive spinal surgery techniques and navigation for spinal surgery are rapidly evolving. Recent reports on less invasive spinal surgery indicate that minimally invasive spinal surgery reduces the downsides to traditional spinal surgery.

### Target Audience:

Enrollment is open to orthopaedic and neurological spine surgeons interested in Minimally Invasive Spine Surgery.

### Learning Objectives - Upon completion, participants should be able to:

- Explain the underlying anatomical and surgical principles of minimally invasive decompression
- Distinguish the complex anatomy involved and potential risks of MIS especially with lateral lumbar procedures
- Evaluate the published literature that compares MIS and open procedures
- Review the economic impact of MIS

7:00 p.m. – Welcome and Introductions

7:05 p.m. – MIS Principles for Decompression of Lumbar and Cervical Spine

7:13 p.m. – Case Presentation

7:17 p.m. – Anatomy and Complication Avoidance in MIS: Cervical, Lumbar & Lateral

7:25 p.m. – Case Presentation

7:29 p.m. – The Evidence (Including Some Remarks on Economics)

7:37 p.m. – Case Presentation

7:41 p.m. – Audience Questions/answers

8:00 p.m. – Adjournment

### Moderator

Roger Härtl, MD  
Associate Professor of Neurosurgery  
Weill Cornell Medical College  
New York, NY

### Faculty

Neel Anand, MD  
Clinical Professor  
Cedars Sinai Medical Center  
Los Angeles, CA

Dean Chou, MD  
Associate Professor of Neurosurgery  
University of California San Francisco  
San Francisco, CA

## Event Summary

**Tuition:**

Level Name: Participant - Spine

Pricing Tier: Attending

Tuition: \$0.00

**Venue:**

Webinar

Paoli, PA, USA

Phone Number:

**Language(s):**

English

**Jointly Provided By:**

North America

**Course Prerequisite(s):**

No Prerequisites

**Professional Level Prerequisite(s):**

No Prerequisites

## CME

**The Continuing Medical Education (CME) mission of AO North America (AONA®) is to provide comprehensive multidisciplinary needs based education to surgeons, fellows, and residents in the specialties of orthopedic, hand, craniomaxillofacial, spine, neurosurgery, and veterinary surgery in the areas of trauma (i.e., operative reduction and fixation), degenerative disorders, deformities, tumors, and reconstruction.**

**Expected results of AONA's CME activities for surgeons, fellows, and residents are to:**

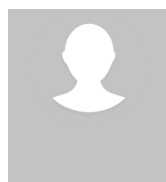
- **Increase their knowledge base and surgical skill level**
- **Improve competence by applying advances of knowledge in patient care in the areas of trauma, degenerative disorders, deformities, tumors, and reconstructive surgical techniques**
- **Address practice performance gaps by improving management of aspects of traumatic injuries and musculoskeletal disorders (i.e., pre-operative planning to post-operative care)**

## Learning Objectives

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- To explain the underlying anatomical and surgical principles of minimally invasive decompression
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- To evaluate the published literature that compares MIS and open procedures
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## Faculty



### Anand, Neel - Lecturer

MD  
Clinical Professor of Surgery  
Director, Spine Trauma  
Minimally Invasive Spine Surgery  
Spine Center  
Cedars Sinai Medical Center  
Los Angeles, California



### Chou, Dean - Lecturer

MD  
Professor and Vice Chair of Neurosurgery  
University of California San Francisco  
UCSF Spine Center  
San Francisco, California

After medical school at UCSF, Dr. Chou completed his residency at The Johns Hopkins Hospital and then undertook a fellowship in complex spinal surgery at The Barrow Neurological Institute. He has been on faculty at UCSF since fellowship. He is board certified by the American Board of Neurological Surgery and has been elected by his peers for 10 consecutive years to the "Best Doctors in America". Dr. Chou is on the Advisory Board of the journal SPINE, the Editorial Boards of the Journal of Neurosurgery: Spine and the journal, Neurosurgery. He is an academic editor for PLOS ONE and previously reviewed for the Global Spine Journal. He has served on the Scientific Program Committee for the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, as an abstract reviewer for such society meetings as the Scoliosis Research Society (SRS), International Meeting of Advanced Spinal Techniques (IMAST), and the Congress of Neurological Surgeons, and as a faculty member for The American Association of Neurological Surgeons, The North American Spine Society, The Lumbar Spine Research Society, and the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. He is a two-time recipient of the Harold Rosegay Resident Teaching Award. He has over 225 peer-reviewed publications, and his publications have been featured five times as the cover article of the Journal of Neurosurgery: Spine.



### Hartl, Roger - Lecturer

MD  
Director of Spinal Surgery  
Weill Cornell Medicine  
New York, New York

Roger Härtl, M.D., is the Hansen-MacDonald Professor of Neurological Surgery and Director of Neurosurgery Spine at Weill Cornell Medicine. In addition, he is the Neurosurgical Director at Och Spine at New York-Presbyterian/Weill Cornell Medical Center and the Director of Och Spine at New York-Presbyterian at the Weill Cornell Medicine Center for Comprehensive Spine Care as well as the Founder of the Weill Cornell Medicine Global Neurosurgery Initiative in Tanzania. He also serves as the official neurosurgeon for the New York Giants Football Team. Dr. Härtl's clinical interest focuses on simple and complex spine surgery for degenerative conditions, tumors, and trauma as well as biological approaches for disc repair and regeneration. He is a world-renowned pioneer and leader in minimally invasive spinal surgery and computer-assisted spinal navigation surgery and augmented reality. He is actively involved in improving neurosurgical care in emerging countries as the leader of Weill Cornell's Global Neurosurgery Initiative in Tanzania. In order to achieve the very best in patient outcomes, Dr. Härtl's practice emphasizes an interdisciplinary approach to spinal disease. He collaborates closely with other specialists such as neurologists, pain specialists, sports medicine doctors and physical therapists. His patients come from all over the globe and include many physicians, surgeons, and even other neurological spine surgeons. He has been repeatedly named to the lists of New York Super Doctors, America's Top Surgeons, and America's Best Doctors, and has been included on the list of New York's Best Doctors in New York magazine. He has authored more than 250 scholarly articles in peer-reviewed journals and is the editor of four books on minimally invasive spinal surgery and biological disc repair and regeneration. He is the 2022 recipient of the AANS Humanitarian Award, one of the highest honors bestowed by the American Association of Neurological Surgeons. Dr. Härtl has provided commentary for numerous television shows on ABC, NBC, and CBS in addition to national radio shows. His expertise has been sought through interviews in the New York Times, The New York Post, The New York Daily News, and other media outlets.

## AO NA Disclaimer Information

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## Acknowledgment

### Educational Grant

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