AO Spine NA Webinar—MISS

August 13, 2025 - August 13, 2025
Online, N/A, USA

Time: 8pm Eastern Time

Target Audience: Orthopedic Spine Surgeons and Neurosurgeons

Webinar Overview: Minimally invasive spinal fusion techniques play an increasing role in the management of degenerative spinal disorders and deformity correction. Selection criteria for choosing a particular MIS approach are lacking. In this webinar we discussed advanced imaging technologies, as well as algorithms developed from patient registries to improve our ability to select the most effective MIS approach.

Event Summary

Tuition:
Level Name: Participant - Spine
Pricing Tier: Attending
Tuition: $0.00

Course Prerequisite(s):
No Prerequisites

Venue:
No Venue

Language(s):
English

Directly Provided by:
North America

Professional Level Prerequisite(s):
No Prerequisites

CME

- **ACCME Accreditation Statement** - AO North America is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Designation Statement - AO North America designates this live educational activity for a maximum of [Hours Pending] ***AMA PRA Category 1 Credits™***. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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

Upon completion, participants should be able to:

- Identify imaging technologies that help in the selection of the most appropriate MIS approach.
- Recognize the value of patient registries to select the most appropriate MIS approach.
- Outline the challenges and barriers in our ability to select the most appropriate MIS approach.

Faculty

Hartl, Roger - Chairperson

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 NewYork-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.

Abd-El-Barr, Muhammad - Lecturer

MD, PhD
Professor
Vice-Chair, International Affairs
Chief, Endoscopic Spine Surgery
Spine Fellowship Co-Director
Department of Neurosurgery
Duke University School of Medicine
Durham, North Carolina

Muhammad M. Abd-El-Barr is currently Professor of Neurosurgery, Vice-Chair, International Affairs, Chief of Endoscopic Spine Surgery at Duke University and Spine Fellowship Co-Director. He completed his MD and PhD degrees at Baylor College of Medicine. He completed his Neurosurgery residency at the Brigham and Women's/Boston Children's Hospitals/Harvard Medical School. He completed a fellowship in Spine at the Brigham and Women's Hospital/Harvard Medical School under the tutelage of Michael Groff, MD. He has been at Duke University since 2017. He specializes in Minimally Invasive techniques in spine surgery including endoscopic fusions and awake fusions. He has published more than 150 papers in peer reviewed journals and is actively involved in basic, translational and clinical research.

Mummaneni, Praveen - Lecturer

MD, MBA
Joan O'Reilly Endowed Professor
Vice Chairman UCSF Neurosurgery
Co-Director: UCSF Spine Center
Lead Surgeon: UCSF Parnassus Perioperative Services
University of California San Francisco
San Francisco, California

Praveen V. Mummaneni, MD, MBA completed his BA/MD in a six-year accelerated program at Boston University School of Medicine. He subsequently completed neurosurgery residency at the University of California, San Francisco (UCSF) and a complex spine fellowship at Emory University. After completing his training, he joined the faculty at Emory University from 2002-2006 and later returned to UCSF in 2006. He is now the Joan O'Reilly Endowed Professor in Spinal Surgery and vice chair of the UCSF neurosurgery department. He received his MBA from Louisiana State University in 2020. In 2022 he became the lead surgeon for UCSF's perioperative services and oversees all surgical specialties at the main campus. Dr. Mummaneni specializes in complex spine surgery, with a focus on MIS techniques in cervical surgery, deformity surgery and tumor surgery. He serves as co-director of the UCSF Spine Center and directs the MIS and complex spine fellowship program. He has published more than 450 manuscripts in peer-reviewed journals and edited 9 textbooks on spine surgery. Dr. Mummaneni is active in several professional organizations. He was among the first neurosurgeons to obtain active membership in the Scoliosis Research Society (SRS) and to win its Edgar Dawson Traveling Fellowship and European Traveling Fellowship awards. He has served as a director of SRS, president of the San Francisco Neurological Society, president of the California Association of Neurological Surgeons, vice president of the Congress of Neurological Surgeons; and chair of the AANS/CNS spine section. He completed a term as editor-in-chief of the Journal of Neurosurgery: Spine.

Agenda

Day 1

Wednesday, August 13, 2025 - 20:00 - 21:00

Schedule	Title	Moderator	Faculty	Room
20:00 - 20:05	Welcome and Introductions		Hartl, R	
20:05 - 20:20	Using advanced imaging to optimize TLIF approach: TLIF algorithm		Abd-El-Barr, M	
20:20 - 20:40	The minimally invasive interbody selection algorithm for spinal deformity		Mummaneni, P	
20:40 - 21:00	Discussion		Abd-El-Barr, M Hartl, R Mummaneni, P	
21:00 - 21:00	Adjournment			

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Acknowledgment

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