



Principles & Treatment of Spinal Disorders for Residents

January 19, 2018 - January 20, 2018
Las Vegas, NV, USA

COURSE OVERVIEW

AOSpine North America Principles courses are intended to address the additional training needs and practice gaps of the orthopaedic and neurological spine residents. This course is designed to offer residents the opportunity to learn the AO principles of anatomic reduction of fracture fragments; stable fixation to ensure proper healing while allowing the surrounding tissue to strengthen; atraumatic surgical technique to preserve the blood supply to the bone fragments and soft tissue; and early, pain-free mobilization so the patient can be returned to function as soon as possible as they apply to spinal surgery. The course will also provide basic exposure to spinal disorders from expert teaching faculty from both orthopaedic and neurological spine surgery.

The modular course format will focus on the spine patient in a conceptual, case study and practical exercise format. Participants in small groups will rotate through each module over the 2 day period. All participants are encouraged to bring HIPAA compliant cases for discussion to maximize their experience at the course.

TARGET AUDIENCE

Enrollment in the Course is limited to orthopaedic and neurological surgery residents.

Event Summary

Tuition:

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

Level Name: Participant - Spine
Pricing Tier: Fellow
Tuition: \$0.00

Level Name: Participant - Spine
Pricing Tier: Resident
Tuition: \$0.00

Course Prerequisite(s):

No Prerequisites

Venue:

Renaissance Las Vegas Hotel
3400 Paradise Road
Las Vegas, Nevada, USA
Phone Number: 702 784 5700
www.renaissancelasvegas.com

Please Note: This course is available to physicians only.

Language(s):

English

Directly Provided by:



Professional Level Prerequisite(s):

- Residency Year 1
- Residency Year 2
- Residency Year 3
- Residency Year 4
- Residency Year 5
- Residency Year 6
- Residency Year 7
- Residency Year 8
- Attending
- Fellow

CME

Continuing Education Credit: AMA

-  AO North America is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.
AONA has been resurveyed by the Accreditation Council for Continuing Medical Education (ACCME) and awarded Accreditation with Commendation.
- **Designation Statement** - AO North America designates this live educational activity for a maximum of 0.00 **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)

Learner Objectives

Upon completion, participants should be able to:

Faculty



Clarke, Michelle - Co-Chairperson

MD, MA
Associate Professor
Department of Neurologic Surgery
Mayo Clinic College of Medicine
Rochester, MN



Goldstein, Christina - Co-Chairperson

BSc, MD, FRCS
Assistant Professor
Director of Spine Research
Department of Orthopaedics
University of Missouri
Columbia, MO

**Gelb, Daniel - Education Advisor**

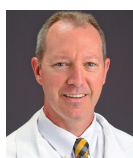
MD
Professor
Department of Orthopaedics
University of Maryland School of Medicine
Baltimore, MD

Dr. Daniel E. Gelb is a professor of orthopaedics and Vice Chairman of the Department of Orthopaedics at the University of Maryland. Dr. Gelb received his medical degree from New York University School of Medicine and completed his residency in orthopaedic surgery at the University of Rochester. He then completed an orthopaedic spine fellowship at Washington University in St. Louis, Missouri, and an Yves Cotrel Fellowship for the study of surgery of the spine in Paris, France. Before coming to the University of Maryland, Dr. Gelb spent 8 years as an assistant professor of orthopaedics at Penn State University College of Medicine. He is board certified in orthopaedic surgery. Dr. Gelb is a member of the Alpha Omega Alpha national honor society for medicine. He is a recipient of the Orthopaedic Research and Education Foundation Grant for research in autocrine regulation of chondrocyte maturation and was awarded the Department of Orthopaedics and Rehabilitation Vincent D. Pellegrini, Jr., MD, Teaching Award in 2001 and 2009. His areas of clinical interest include adult and pediatric spinal deformity, including scoliosis and kyphosis, spinal tumors and infections, spinal trauma, and a full range of degenerative spinal conditions. Dr. Gelb was named The Washington Post Magazine's Super Doctor 2011 for Orthopaedics. Dr. Gelb was named a "Top Doctor" in the specialty of Orthopaedic Surgery: Spine by Baltimore magazine in 2016.

**Cheng, Joseph - Lecturer**

MD, MS
Frank H. Mayfield Professor and Chair
Department of Neurosurgery
University of Cincinnati College of Medicine
Cincinnati, OH

Dr. Cheng completed his Neurosurgical training at the Medical College of Wisconsin along with a post-residency Fellowship in Complex Spinal Surgery. During that time, he has also received a Master's degree in Biomedical Engineering at Marquette University with a special emphasis in spinal biomechanics and modeling. His research interests include healthcare policy, outcomes science, spinal biomechanics and modeling, spinal deformity, and minimally invasive spinal techniques. Dr. Cheng is a respected educator and has received a number of awards including being named the 2011 ACS/AANS Health Policy Scholar. He is a fellow of the American Association of Neurological Surgeons (AANS) and American College of Surgeons (ACS) and an active member and leader of many other professional organizations including the AANS/CNS Trauma Section, American Medical Association, AO Foundation, Congress of Neurological Surgeons, Wisconsin State Medical Society, and the Tennessee Neurosurgical Society. He is the past Chairperson for the AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves. Dr. Cheng previously served as Director of the Neurosurgery Spine Fellowship Program along with being Professor and Vice Chair of Neurosurgery at Yale University, and has taken the helm at the University of Cincinnati as Chair of Neurosurgery in July 2017.

**Choma, Theodore - Lecturer**

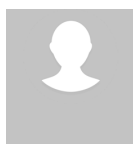
MD
J. Vernon Luck Distinguished Professor
Vice Chairman
Orthopaedic Surgery Dept.
Chairman, University Physicians
University of Missouri
Columbia, MO

After obtaining degrees in mechanical engineering from Lehigh University and a masters degree in biomechanics from Virginia Tech, Dr. Choma trained in orthopaedic surgery at Walter Reed Army Medical Center and fellowship at the Twin Cities Spine Center. He spent 14 active years in the Army as an orthopaedic spine surgeon and has been on faculty at the University of Missouri since 2006. He directs the Spine Division of the Department of Orthopaedic Surgery and was granted tenure in 2011. He was elected chairman of the University Physicians practice group and as such, represents 600 physicians and 200 mid-level providers in various aspects of their academic medical practice. He has been active in AO Spine since 2004 and maintains a busy university spine surgical practice.

**Fournay, Daryl - Lecturer**

MD, FRCSC, FACS
Professor
Division of Neurosurgery
Saskatoon, SK

Dr. Fournay completed his medical school and residency training in Neurosurgery at the University of Saskatchewan in 2001. He did a fellowship in neurosurgical oncology at the University of Texas M.D. Anderson Cancer Center in Houston, Texas 2001-2002. He has a special interest in spine tumors and other complex spinal disorders. He has authored more than 100 published peer-reviewed articles and book chapters. He directed the residency training program in Neurosurgery at the University of Saskatchewan from 2003-2013. He was President of the Canadian Spine Society from 2007 to 2009.

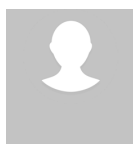
**Mehta, Ankit - Lecturer**

MD
Assistant Professor
Director of Spinal Oncology
Department of Neurosurgery
University of Illinois at Chicago
Chicago, IL

**Molinari, Robert - Lecturer**

MD
Professor
Chief, Division of Spinal Surgery
Department of Orthopaedic Surgery
University of Rochester
Rochester, NY

Dr. Robert Molinari hails from Valley Stream, New York. He is a Professor at the University of Rochester School of Medicine and the Chief of the Division of Spinal Surgery. Dr. Molinari, a board-certified and fellowship-trained spinal surgeon, came to Rochester in 2003 from Madigan Army Medical Center in Tacoma, Washington, where he was as the Director of Spinal Surgery and Orthopaedic Research. He completed the prestigious Washington University Pediatric and Adult Spinal Surgery Fellowship in St. Louis and is a graduate of the United States Military Academy at West Point and the Mount Sinai School of Medicine in New York. He served for many years as the United States Armed Forces regional expert for the treatment of complex spinal disorders while fulfilling his long military tour of duty obligation. Dr. Molinari currently maintains his military teaching appointment at the Armed Forces Medical School in Bethesda, MD. Dr. Molinari is internationally recognized as an expert in the field of complex spinal surgery. His original research contributions to the peer-reviewed spinal literature are numerous. He is the author of 8 book chapters in spinal surgery textbooks as well as over 50 scientific articles in peer-reviewed spine journals. He also currently serves as a medical reviewer for the Journal of Spinal Disorders, Global Spine Journal, and Current Opinion in Orthopaedics. Dr. Molinari has received many commendations for his outstanding patient care. His team, which includes, Mr William Gruhn, RPA - C takes great pride in providing quality spinal care to patients. Recently, "Dr M" was awarded the AO Spine North America Educator of the Year award for his outstanding teaching abilities in the field of spinal surgery. Dr. Molinari has been practicing medicine successfully for the past 28 years. He specializes in the surgical care of complex spinal disorders in all regions of the spine. His areas of special interest include : herniated disk and spinal stenosis surgery: complex spinal tumors; scoliosis & complex spinal deformity; disorders of the cervical, thoracic, and lumbar spine; spinal trauma, and revision spinal surgery.

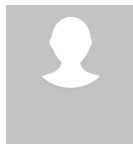
**Schwab, Joseph - Lecturer**

MD, MS
Associate Professor
Department of Orthopaedics
Mass General Hospital
Harvard Medical School
Boston, MA

**Spiker, William - Lecturer**

MD
Assistant Professor
University of Utah Medical Center
Salt Lake City, UT

Dr. Spiker is an Assistant Professor in the Department of Orthopaedic Surgery at the University of Utah who specializes in the treatment of spinal disorders and traumatic orthopaedic injuries. He treats common spinal conditions of the neck and low back such as disk herniations, spinal stenosis, cervical myelopathy, cervical and lumbar deformities and shooting pains in the upper and lower extremities. Dr. Spiker believes in the thoughtful use of new technologies, including minimally invasive surgery and image-guided techniques. Dr. Spiker's research interests include the treatment of cervical spine disorders, spine imaging techniques and the genetics of common spinal conditions. He has authored many peer-reviewed publications and book chapters on these and other related topics. Dr. Spiker studied Biochemistry and History and The University of California at Santa Barbara and earned his medical degree from the University of Southern California. He completed his residency in Orthopaedic Surgery at the University of Utah and a dual Orthopaedic Spine and Neurosurgical Spine Fellowship at the Rothman Institute at Jefferson Medical Center in Philadelphia, PA.

**Weber, Michael - Lecturer**

MD, PhD, FRCSC
Assistant Professor
Department of Orthopedics
McGill University
Montreal, QC

AONA Disclaimer Information

Faculty Disclosure:

It is the policy of AO North America to abide by the Accreditation Council for Continuing Medical Education Standards for Commercial Support. Standard 2: "Disclosures Relevant to Potential Commercial Bias and Relevant Financial Relationships of Those with Control over CME Content," requires all planners, including course directors, chairs, and faculty, involved in the development of CME content to disclose their relevant financial relationships prior to participating in the activity. Relevant financial relationships will be disclosed to the activity audience. The intent of the disclosure is not to prevent a faculty with a relevant financial or other relationship from teaching, but to provide participants with information that might be of importance to their evaluation of content. All potential conflicts of interest have been resolved prior to the commencement of this activity.

Off-Label / Experimental Discussions:

Some medical devices used for teaching purposes and/or discussed in AO North America's educational activities may have been cleared by the FDA for specific uses only or may not yet be approved for any purpose. Faculty may discuss off-label, investigational, or experimental uses of products/devices in CME certified educational activities. Faculty have been advised that all recommendations involving clinical medicine in this CME activity are based on evidence that is accepted within the profession of medicine as adequate justification for their indications and contraindications in the care of patients.

All scientific research referred to, reported or used in this CME activity in support or justification of a patient care recommendation conforms to the generally accepted standards of experimental design, data collection and analysis.

Disclaimer:

AONA does not endorse nor promote the use of any product/device of commercial entities. Equipment used in this course is for teaching purposes only with the intent to enhance the learning experience.

Conflict of Interest Resolution Statement:

When individuals in a position to control or influence the development of the content have reported financial relationships with one or more commercial interests, AO North America utilizes a process to identify and resolve potential conflicts to ensure that the content presented is free of commercial bias.

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AO North America faculty and staff assume no personal liability for the techniques or the use of any equipment and accessories used for teaching purposes in the laboratory. The certificate provided pertains only to the participants' completion of the course and does not, in any way, attest to the proficiency of the participants' clinical experience.

Acknowledgment

Educational Grant

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