AO Spine NA Course - Principles and Treatment of Spinal Disorders for Residents

January 28, 2022 - January 29, 2022
Las Vegas, Nevada, USA

AO Spine 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.

Method of payment is required at time of registration for late cancellation or no-show fee.

Event Summary

Tuition:
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, NV, USA
Phone Number: 702 784 5700
www.renaissancelasvegas.com

Language(s):
English

Directly Provided by:
AO North America

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
- Fellow

CME

Continuing Education Credit: 13.00

- 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 13.00 ***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)

Learning Objectives

Upon completion, participants should be able to:

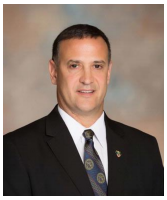
- Perform a complete neurological assessment and identify potentially unstable spinal injuries
- Order appropriate imaging
- Classify the injury according to fracture morphology, instability, and neurological status
- Describe the best operative and non-operative treatment option for each patient based upon the available evidence
- Reduce / Decompress / Stabilize appropriately
- Demonstrate basic knowledge of the principles of bone and soft tissue healing
- Identify the anatomic and biomechanical issues in a spinal fixation
- Collaborate in the rehabilitation plan for the patient
- Identify and manage post-injury and post-operative complications
- Apply psychomotor skills developed during practical exercises into surgical practice

Faculty

Jackson II, Keith L - Co-Chairperson

MD
Chief
Orthopaedic Spine Surgery
Eisenhower Army Medical Center
Fort Gordon, Georgia

Dr. Keith Jackson currently serves as the Chief of Spine Surgery at Eisenhower Army Medical Center (DDEAMC) in Augusta, GA. Prior to moving to Augusta, Dr. Jackson served as the Chief of Orthopaedic Surgery at Fort Bragg, NC. He completed his Spine Fellowship at UPMC in 2014 and Orthopaedic Surgery Residency at Dwight David Eisenhower Army Medical Center in 2013. Additionally Dr. Jackson is a graduate of the Georgetown University School of Medicine (2008) and The United States Military Academy (2004).



Molinari, Robert - Co-Chairperson

MD
Professor, Orthopaedics and Neurosurgery
Department of Orthopaedic Surgery
University of Rochester,
Rochester, New York

Dr. Robert Molinari hails from Valley Stream, New York. He is a Professor of Orthopaedics and Neurosurgery 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 Pedaitric 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 60 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.

Mroz, Thomas - Education Advisor

MD
Enterprise Chairman, Orthopaedic Surgery and Rehabilitation
Director, Spine Research
Department of Orthopaedic & Neurological Surgery
Cleveland Clinic
Cleveland, Ohio

Thomas E. Mroz, MD is the Director of the Center for Spine Health and Director of Spine Research at Cleveland Clinic. He is a board-certified Spine Surgeon in the Departments of Orthopaedic Surgery, Neurological Surgery and the Center for Spine Health at Cleveland Clinic. He graduated from Case Western Reserve University and Case Western Reserve University School of Medicine, Cleveland, Ohio. Thereafter, he completed his residency in Orthopaedic Surgery at the George Washington University Medical Center, Washington, D.C. He then completed two spinal surgery fellowships, one at the University of California, Los Angeles, and the other in the Department of Neurosurgery at the University of Tennessee, Memphis. His focus of the second fellowship was minimally invasive spine surgery. Dr. Mroz specializes in all aspects of spinal surgery, and has a dedicated interest in minimally invasive surgery and cervical (neck) spine surgery, including radiculopathy, myelopathy, stenosis, disc herniations, cervical disc replacement, revision cervical surgery, cervical infections, cervical tumors and cervical deformity. He is very active in research, and has lectured nationally and internationally on minimally invasive surgery and cervical spine surgery. He has authored numerous research articles and textbook chapters, and serves as a reviewer for several peer-reviewed journals. He is a member in good standing in the North American Spine Society and the American Academy of Orthopaedic Surgeons, and is a Diplomate of the American Board of Orthopaedic Surgery. He continues to have a very active role in the education of medical students, residents and fellows.

Agochukwu, Uzondu - Lecturer

MD
Professor
Program Director, Orthopaedic Surgery Residency
Co-Director, Spine and Reconstructive Surgery Fellowship
Department of Orthopaedic Surgery
Medical College of Georgia (MCG) at Augusta University
Augusta, Georgia

Dr. Agochukwu is a board-certified orthopaedic surgeon specializing in spine surgery. He graduated from Louisiana State University, and received his medical degree from Indiana University School of Medicine. He completed his internship and residency at Madigan Army Medical Center. During his military service, he was stationed at Fort Bragg, North Carolina where he had the privilege of taking care of service men and women, to include Army and Air Force elite Special Operation Units. He then completed a spine fellowship in Augusta, Georgia. His clinical interest and research focus centers on minimally invasive spine surgery, motion preservation surgery, as well as deformity and complex spine revision surgery.

Cheng, Joseph - Lecturer

MD, MS
Frank H. Mayfield Professor and Chair
Director, Neurosurgery Spine Fellowship
Department of Neurosurgery
University of Cincinnati College of Medicine
Cincinnati, Ohio

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, North American Spine Society, 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 is currently the Frank Mayfield Professor and Chair of Neurosurgery at the University of Cincinnati, along with being Director of the Neurosurgery Spine Fellowship.

Daffner, Scott - Lecturer

MD
Professor
Department of Orthopaedics
West Virginia University
Morgantown, West Virginia

Devine, John - Lecturer

MD
Professor
Chief of Spine Surgery
Department of Orthopaedic Surgery
Medical College of Georgia
Augusta University
Augusta, Georgia

Dr. John Devine is Professor of Orthopaedic Surgery and Chief of Spine Surgery at the Medical College of Georgia at Augusta University in Augusta, Georgia. He is a graduate of F. Edward Hebert School of Medicine at the Uniformed Services University of the Health Sciences and completed his orthopaedic residency at Madigan Army Medical Center. Dr. DeVine completed an orthopaedic spine fellowship at The Maryland Spine Fellowship in Baltimore MD. He specializes in conservative and surgical treatment for back and neck pain, degenerative disc disease, pediatric and adult deformity, spine trauma, spine tumors, and reconstructive spine surgery.

France, John - Lecturer

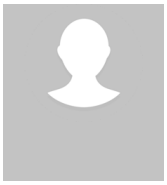
MD
Vice Chairman and Chief of Spine Surgery
Department of Orthopaedic Surgery
West Virginia University
Morgantown, West Virginia

Dr John France is Professor of Orthopaedic Surgery and Neurosurgery at West Virginia University where he also serves as vice chairman of Orthopaedic surgery and chief of spine surgery. He has been at West Virginia University since 1995 after serving as an Orthopaedic surgeon in the United States Air force at Wilford Hall Medical Center, Lackland AFB, San Antonio, Texas. His undergraduate degree was from the University of Pennsylvania, medical degree for the University of Pittsburgh, he stayed at the University of Pittsburgh as a General Surgery intern then went to the State University of New York in Buffalo for Orthopaedic residency, and finally did his spine fellowship at the University of Colorado. He is currently an active member and serves on and as chair of committees in the AAOS, SRS, CSRS, OTA, and NASS. He began as AO Trauma faculty in 1993 then was involved in AO Spine from its onset in the mid 1990's. His involvement in the AO has been extensive serving on and as chair of various national and international committees as well as serving as faculty for innumerable courses. He is currently chair of the international faculty development committee. His current practice still includes a significant amount of complex trauma in addition to his tertiary spine practice.

Sciubba, Daniel - Lecturer

MD, MBA
Professor & Chair
Department of Neurosurgery
Northwell Health/Zucker School of Medicine at Hofstra
Manhasset, New York

Dr. Daniel Sciubba is Professor and Chair of neurological surgery the Zucker School of Medicine at Hofstra/Northwell. He is the Co-Director of the Institute of Neurology & Neurosurgery and the Executive Director of the Spine Institute at Northwell. He specializes in the surgical treatment of complex spinal conditions including tumors, degenerative spine diseases, spinal deformities and scoliosis.



Woodard, Eric - Lecturer
MD
Chief of Neurosurgery
New England Baptist Hospital
Boston, Massachusetts

Dr. Eric J. Woodard is currently Chief of the Section of Neurosurgery at New England Baptist Hospital (NEBH). In this role he oversees the activities of the Section and is Director of the Neurosurgery spine fellowship He is a member of numerous professional societies including the American Association of Neurological Surgeons, and the Joint section of the AANS/CNS for Spine and Peripheral nerve. He has also served extensively over the last 20 years as faculty, Board member, foundation trustee, and Chairman of the board of AOSpine North America. Dr. Woodard has been a member of the editorial board for The Journal of Spinal Disorders & Techniques and Spine Universe, and is a reviewer for The New England Journal of Medicine and Neurosurgery. Dr. Woodard earned his medical degree from Pennsylvania State University, and completed his Neurological surgery residency at Emory University in Atlanta. His additional training includes a fellowship in complex spine surgery at Medical College of Wisconsin in Milwaukee under Dr. Sanford Larson. Prior to joining the Baptist he was Chief of the Division of Spinal surgery in Neurosurgery at Brigham and Women’s Hospital and Assistant Professor of Surgery at Harvard Medical School. Dr. Woodard's past and present research interests include spinal cord injury, adult spinal deformity, disc replacement, and intra-operative imaging. In addition to his work at NEBH, Dr. Woodard was formerly chief medical officer of InVivo Therapeutics, Inc., a medical device company focused on finding solutions for patients with spinal cord injury. He also serves as Chairman of the medical adviser board for Vallum Corporation and as scientific adviser for Launchpad medical LLC.

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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.

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Acknowledgment

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