AO SPINE North America

Principles and Treatment of Spinal Disorders for Residents

October 10, 2014 - October 11, 2014
Las Vegas, Nevada, USA

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.

Event Summary

Tuition:
Level Name: Participant - Spine
Pricing Tier: Resident
Tuition: $350.00

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):
No Prerequisites

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.

Below Wording CMF Only- Continuing Education Dental Credit Statement..

As an Accreditation Council for Continuing Medical Education (ACCME) accredited provider, AO North America meets the definition of a constituent or component organization of the AMA and thereby meets most state dental board requirements of an approved sponsor of continuing education. This course is focused on clinical issues in oral-maxillofacial surgery that are relevant to the treatment and care of dental patients. Most states accept AMA constituents as approved sponsors for continuing dental education credit. If you have questions, your state dental board can confirm eligibility of this course.

- **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)

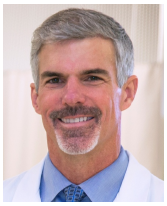
Learning Objectives

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 nonoperative treatment option for each patient based on the available evidence
- Reduce/decompress/stabilize appropriately
- Demonstrate the basic knowledge of the principles of bone and soft tissue healing
- Identify the anatomic and biomechanical issues in spinal fixation
- Collaborate in the rehabilitation plan for the patient
- Identify and manage postinjury and postoperative complications
- Apply psychomotor skills developed during practical exercises into surgical practice

Faculty

Cheng, Ivan - Co-Chairperson
MD
Dr
Department of Orthopaedic Surgery
Stanford University
Stanford, California



Daubs, Michael - Education Advisor
MD
Professor
Optum Dr.Tony and Renee Marlon Endowed Chair
Department of Orthopaedic Surgery
UNLV School of Medicine
Las Vegas, Nevada

Dr. Michael Daubs, professor and Chair of the Department of Orthopaedic Surgery at the UNLV School of Medicine, he treats disorders of the neck and back including fractures, herniated discs, stenosis, spondylolisthesis, scoliosis and other complex spinal deformities. He specializes in surgery of the spine in both children and adults. Board certified, he is a member of many national and international research and education organizations and enjoys the privilege of instructing his fellow spine surgeons at medical conferences around the world. He currently serves as the Chair of AO Spine North America and is a Director of the American Board of Orthopaedic Surgery.

Bagley, Carlos - Lecturer
MD, MBA
Professor of Neurosurgery
Chair, Neuroscience Division
Chair, Department of Neurosurgery
Director, Saint Luke's Marion Bloch Neuroscience Institute
University of Missouri-Kansas City
Kansas City, Missouri

Dr. Carlos Bagley is the Chair Department of Neurosurgery, Chair Neurosciences Division of SLPG, Medical Director of the Saint Luke's Marion Bloch Neurosciences Institute, and the Edward T. Matheny, Jr. Chair in Neuroscience. He joined the team at St. Luke's in 2023 after serving as Professor of Neurosurgery and Orthopedic Surgery at the University of Texas Southwestern Medical Center from 2015-July 2023. He also served as the Executive Vice Chairman of the Department of Neurosurgery and Director of the Multidisciplinary Spine Center. Dr. Bagley is certified by the American Board of Neurological Surgeons and his clinical practice focuses on surgery for complex spinal deformity, spinal tumors, and degenerative conditions of the spinal column. His research interests focus on improving patient outcomes and surgical quality, reducing complications associated with spine surgery, and developing innovative approaches and strategies to treat complex spinal conditions. Dr. Bagley was an NCAA Division I student athlete and obtained his undergraduate degree in Biological Sciences with Distinction from Duke University. He continued his education at Duke School of Medicine where he received multiple awards including the Stead Scholarship and the NIH summer research fellowship. Dr. Bagley completed his residency training in Neurosurgery and fellowship in Spinal Surgery at the Johns Hopkins Hospital. While at Johns Hopkins, he received numerous awards including the Irving J. Sherwin Award for Resident Achievement and the Walter Dandy Award for Research. He also completed the prestigious NIH Neuro-Oncology Research Fellowship Program. After completion of his residency and fellowship training at Johns Hopkins, he began his career in academic neurosurgery at Duke University. At Duke he developed and served as Co-Director of the Duke Spine Center. Dr. Bagley is an active member of numerous organizations including the North American Spine Society, Congress of Neurological Surgeons, and American Association of Neurological Surgeons. He previously served as President of the Texas Association of Neurological Surgeons. He has also served as a reviewer and editorial board member of numerous scientific journals and has trained dozens of physicians spine surgery techniques. In addition to conducting multiple clinical research trials, he has authored over 200 scientific manuscripts and book chapters.

Clarke, Michelle - Lecturer
MD
Professor
Department of Neurologic Surgery
Mayo Clinic College of Medicine
Rochester, Minnesota

Dr. Michelle Clarke is Professor of Neurologic Surgery and Orthopedics at Mayo Clinic where she also serves as program director for the neurosurgery enfolded spine fellowship. She has been on staff at Mayo since 2009. Her undergraduate degree is in Aerospace Engineering from the Princeton University, her medical degree is from Georgetown University, and she completed residency in neurosurgery at Mayo Clinic. She completed a complex spine fellowship focusing on spinal oncology at Johns Hopkins University before returning to Mayo. Dr. Clarke also has a master's degree in bioethics from Loyola University of Chicago and has completed a Master's of Education from the University of Cincinnati. She is currently an active member of the AANS, NSA, and the SNS. Dr. Clarke's involvement in AO Spine NA began as an AOSpine fellow in 2009. She joined the teaching faculty and served on the education committee before joining the board as an ad hoc member. Her current practice focuses on intradural and vertebral column malignancies, although a significant component includes complex spine trauma and degenerative disease.

Eastlack, Robert - Lecturer
MD, FAAOS
Head, Division of Spine
Director of Orthopaedic Research
Co-Director Spine Fellowship Training
Department of Orthpaedic Surgery
Scripps Clinic
San Diego Spine Foundation
San Diego, California

Eck, Jason - Lecturer
DO, MS
Dr
Center for Sports Medicine and Orthopaedics
Chattanooga, Tennessee

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.

Klineberg, Eric - Lecturer
MD, MS, FAAOS
Professor and Vice Chair
Adult & Pediatric Spinal Surgery
Department of Orthopaedic Surgery
UTHealth Houston
Houston, Texas

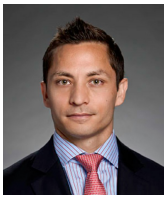
Dr. Klineberg is a board-certified Orthopaedic surgeon and Professor in the Department of Orthopaedic Surgery at the UTHealth Houston. He has a busy clinical practice which is focused on spinal surgery with cases that range from minimally invasive discectomies and fusions to complex spinal oncology and deformity reconstructions. Dr. Klineberg has specific expertise in deformity surgery and spinal trauma and has published multiple papers on deformity correction, outcomes research and complications as well as the biomechanics of spinal correction. His basic science research interests currently focus on the biomechanics of spinal fusion and fixation.

Lee, Michael - Lecturer
MD
Professor and Vice Chair
Orthopaedic Spine Surgery
Department of Orthopaedics Surgery and Rehabilitation
University of Chicago Medical Center
Chicago, Illinois

Massicotte, Eric - Lecturer
MD, MSc, MBA, FRCSC
Associate Professor, University of Toronto
Medical Director of Back & Neck Program, Altum Health
Co-Director Multidisciplinary Metastatic Spine Clinic
Toronto, Ontario

Dr. Massicotte has focused his academic neurosurgical career in Toronto since his faculty appointment in 2002. As an Associate Professor with the University of Toronto, he recently completed an MBA to further advance his role as medical director for Back & Neck at Altum Health a division of University Health Network (UHN). Special interest in education and patient outcome for better delivery of care his collaboration with multiple colleagues have contributed to over 70 publications in peered-review articles and numerous international speaking engagement.

Patel, Alpesh - Lecturer
MD, MBA, FACS
Director, Northwestern Center for Spine Health
Director, Fellowship in Spine Surgery
Professor, Dept. of Orthopaedic Surgery
Professor, Dept. of Neurosurgery
Northwestern University Feinberg School of Medicine
Twitter: @Chicago_Spine
Chicago, Illinois



Prasarn, Mark - Lecturer
MD
Dr
Department of Orthopaedic Surgery
Department of Orthopedic Surgery
Divisions of Spine and Trauma
Houston Methodist Orthopedics & Sports Medicine
Houston, Texas
Professor and spine fellowship director of Houston Methodist Orthopedics and Sports Medicine.

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.

AO NA 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.

USE THE BELOW TEXT FOR DIDACTIC COURSES ONLY!

The opinions or views expressed in this live continuing medical education activity are those of the faculty and do not necessarily reflect the opinions or recommendations of
AO North America or any commercial supporter. The certificate provided pertains only to the participants’ completion of the course.

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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.

Liability Statement:
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.

Laboratory Waiver:
To participate in this surgical skills course, you will be required to sign a waiver of liability prior to the course. In order to participate, AONA’s policy mandates that every individual must wear appropriate protective garments provided by AO NA during the lab sessions. Participants who do not sign the waiver and wear protective garments will not be allowed to participate in the laboratory sessions.

Human Anatomic Specimens:
This course will involve exposure to and contact with human anatomic specimens. These specimens are being utilized for purposes of teaching and learning and are to be treated with the utmost respect. Participants should be familiar with and understand the potential risks involved and will be required to observe all customary safety procedures.

Animal Anatomic Specimens:
This course will involve exposure to and contact with animal anatomic specimens. These specimens are being utilized for purposes of teaching and learning and are to be treated with the utmost respect. Participants should be familiar with and understand the potential risks involved and will be required to observe all customary safety procedures.

Acknowledgment

In-Kind Support
AO North America gratefully acknowledges in-kind support for equipment and technical staff from J&JMedTech.

Educational Grant
AO North America gratefully acknowledges funding for its education activities from the AO Foundation. The AO Foundation receives funding for education from Synthes GmbH.