AO Spine NA Course - Principles and Treatment in Spinal Disorders

April 26, 2025 - April 27, 2025
Henderson, 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.

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 / no-show fee

Event Summary

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

Course Prerequisite(s):
No Prerequisites

Venue:
Hilton Durham near Duke University
3800 Hillsborough Road
Durham, North Carolina, USA
Phone Number: (919) 383-8033
https://www.hilton.com/en/hotels/rdudhhf-hilton-durham-near-duke-university/

Language(s):
English

Jointly Provided By:
AO North America
AO SPINE 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.

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
Department of Surgery
Eisenhower Army Medical Center
Fort Gordon, Georgia

Keith L. Jackson, MD, is the Chief of the Department of Surgery at Dwight D. Eisenhower Army Medical Center. He previously served as the Orthopedic Surgery Residency Program Director at Eisenhower Army Medical Center and as Chief of Orthopedic Surgery at Fort Bragg, North Carolina. Dr. Jackson completed a fellowship in adult spine surgery at UPMC in 2014, following completion of his orthopedic surgery residency at Eisenhower Army Medical Center in 2013. He earned his Doctor of Medicine from Georgetown University School of Medicine in 2008.

Weber, Michael - Co-Chairperson

MD, PhD, FRCSC
Professor
Sherwood, Quebec

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.

Charest-Morin, Raphaele - Lecturer

FRCS(C) Ortho
Assistant Professor
Department of Orthopaedics- Spine Division
University of British Columbia
Vancouver General Hospital
Vancouver, British Columbia

Curry, Patrick - Lecturer

MD
Orthopedic Spine Surgeon
Vice-Chair Department of Surgery
St. Peter's Health
Helena, Montana

Daffner, Scott - Lecturer

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

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.

Lee, Michael - Lecturer

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

Menga, Emmanuel - Lecturer

MD
Professor of Orthopaedic Surgery
Director, Orthopaedic Surgery Residency Program
Associate Director, Spine Surgery Fellowship Program
Department of Orthopaedic Surgery
University of Miami Leonard M. Miller School of Medicine
Miami, Florida

Dr. Menga is a board-certified orthopaedic surgeon specializing in minimally invasive spinal surgery and complex spinal surgery/scoliosis. With extensive experience in managing degenerative disc disease, degenerative spine conditions, disc herniation, and stenosis of the cervical, thoracic, and lumbar spine, Dr. Menga offers both nonoperative and operative treatments for cervical, thoracic, and lumbar pain and radiculopathy/sciatica. Additionally, Dr. Menga manages traumatic spine disorders and a wide range of spinal pathologies using techniques ranging from minimally invasive spine surgery to complex spinal reconstruction. Dr. Menga is a Professor of Orthopaedic Surgery. Currently, he serves as the Vice Chair of Education and the Orthopaedic Surgery Residency Program Director for the Orthopaedic Surgery residency training program at the University of Miami. He also serves as the Associate Fellowship Program Director of Spine Surgery. A veteran of the United States Navy, Dr. Menga served as a Petty Officer with the Amphibious Construction Battalion Unit. He earned his medical degree at the University of Rochester School of Medicine and Dentistry and completed his residency training in Orthopaedic surgery at the Johns Hopkins Hospital. At Johns Hopkins, he was awarded the prestigious Frank L. Coulson, Jr. Award for Clinical Excellence by The Miller-Coulson Academy of Clinical Excellence (MCACE) as a Chief Resident. He then completed his fellowship training in Orthopaedic spinal and deformity surgery at NYU Langone Medical Center and the Hospital for Joint Diseases in a combined Orthopaedic and Neurosurgery training program. Dr. Menga has also gained additional experience by traveling to and visiting world-renowned spine surgeons to share his expertise in spinal deformity and reconstruction. He recently visited the Nanjing Drum Tower Hospital in Nanjing, China, and the Department of Orthopaedic and Traumatology at Bordeaux University Hospital in Bordeaux, France. In recognition of his contributions, Dr. Menga was recently awarded the prestigious Edgar Dawson Travelling Fellowship by the Scoliosis Research Society (SRS), allowing him to visit other deformity spine surgeons to expand and share his knowledge in North America. In 2018, Dr. Menga was honored by the North American Spine Society (NASS) as one of the top 20 spine surgeons in North America under age 40, an accolade from Spine Line's inaugural "20 under age 40" list.

Spina, Nicholas - Lecturer

MD
Assistant Professor
Department of Orthopaedics
University of Utah
Salt Lake City, Utah

Nicholas Spina MD is a member of the University of Utah Department of Orthopaedics. His clinical interest include degenerative and traumatic conditions of the spine as well as adult spinal deformity. His research interest include health outcomes, adult spinal deformity, and biomechanics. He completed his orthopaedic surgery residency at the University of Pittsburgh and orthopaedic spine fellowship at the University of Utah.

Wolinsky, Jean-Paul - Lecturer

MD
Dr
Neurosurgery and Orthopedic Surgery
Vice Chairman of Neurosurgery
Director of Spinal Oncology
Northwestern University
Chicago, Illinois

Agenda

Day 1

Saturday, April 26, 2025 - 08:00 - 16:30 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
08:00 - 08:30	Welcome / Course Objectives / AO Spine / Pre-Assessment			
08:30 - 08:40	Travel to Modules			
08:40 - 10:10	MODULE A: CERVICAL TRAUMA			
08:40 - 10:10	MODULE A: CERVICAL TRAUMA - Case 1: OC-C1 Dislocation		Charest-Morin, R Menga, E	
08:40 - 10:10	MODULE A: CERVICAL TRAUMA - Case 2: C2 Fracture (Odontoid)		Charest-Morin, R Menga, E	
08:40 - 10:10	MODULE A; CERVICAL TRAUMA - Case 3: Cervical Facet Dislocation		Charest-Morin, R Menga, E	
08:40 - 10:10	MODULE B: ADULT DEFORMITY			
08:40 - 10:10	MODULE B: ADULT DEFORMITY - Case 1: Adult Deformity Principles		France, J Spina, N	
08:40 - 10:10	MODULE B: ADULT DEFORMITY - Case 2: Thoracolumbar Kyphosis		France, J Spina, N	
08:40 - 10:10	MODULE B: ADULT DEFORMITY - Case 3: Degenerative Scoliosis with Back and Leg Pain		France, J Spina, N	
08:40 - 10:10	MODULE C: THORACOLUMBAR TRAUMA			
08:40 - 10:10	MODULE C: THORACOLUMBAR TRAUMA - Case 1: T12 B2 Injury without Deficit		Curry, P Lee, M	
08:40 - 10:10	MODULE C: THORACOLUMBAR TRAUMA - Case 2: L1 A3 Injury with Conus Medullaris Syndrome		Curry, P Lee, M	
08:40 - 10:10	MODULE C: THORACOLUMBAR TRAUMA - Case 3: T6 C2 Injury		Curry, P Lee, M	
08:40 - 10:10	MODULE D: CERVICAL SPINE LAB			
08:40 - 10:10	MODULE D: CERVICAL SPINE LAB - A. Cervical Lateral Mass Screws	Agochukwu, U Wolinsky, J		
08:40 - 10:10	MODULE D: CERVICAL SPINE LAB - B. C2 Pedicle Screws	Agochukwu, U Wolinsky, J		
08:40 - 10:10	MODULE D: CERVICAL SPINE LAB - C. C1 Lateral Mass Screws	Agochukwu, U Wolinsky, J		
10:10 - 10:30	Coffee Break / Travel to Modules			
10:30 - 12:00	MODULE A: CERVICAL TRAUMA			
10:30 - 12:00	MODULE A: CERVICAL TRAUMA - Case 1: OC-C1 Dislocation		Charest-Morin, R Menga, E	
10:30 - 12:00	MODULE A: CERVICAL TRAUMA - Case 2: C2 Fracture (Odontoid)		Charest-Morin, R Menga, E	
10:30 - 12:00	MODULE A; CERVICAL TRAUMA - Case 3: Cervical Facet Dislocation		Charest-Morin, R Menga, E	
10:30 - 12:00	MODULE B: ADULT DEFORMITY			
10:30 - 12:00	MODULE B: ADULT DEFORMITY - Case 1: Adult Deformity Principles		France, J Spina, N	
10:30 - 12:00	MODULE B: ADULT DEFORMITY - Case 2: Thoracolumbar Kyphosis		France, J Spina, N	
10:30 - 12:00	MODULE B: ADULT DEFORMITY - Case 3: Degenerative Scoliosis with Back and Leg Pain		France, J Spina, N	
10:30 - 12:00	MODULE C: THORACOLUMBAR TRAUMA			
10:30 - 12:00	MODULE C: THORACOLUMBAR TRAUMA - Case 1: T12 B2 Injury without Deficit		Curry, P Lee, M	

10:30 - 12:00	MODULE C: THORACOLUMBAR TRAUMA - Case 2: L1 A3 Injury with Conus Medullaris Syndrome		Curry, P Lee, M
10:30 - 12:00	MODULE C: THORACOLUMBAR TRAUMA - Case 3: T6 C2 Injury		Curry, P Lee, M
10:30 - 12:00	MODULE D: CERVICAL SPINE LAB		
10:30 - 12:00	MODULE D: CERVICAL SPINE LAB - A. Cervical Lateral Mass Screws	Agochukwu, U Wolinsky, J	
10:30 - 12:00	MODULE D: CERVICAL SPINE LAB - B. C2 Pedicle Screws	Agochukwu, U Wolinsky, J	
10:30 - 12:00	MODULE D: CERVICAL SPINE LAB - C. C1 Lateral Mass Screws	Agochukwu, U Wolinsky, J	
12:00 - 12:30	Lunch		
12:30 - 13:00	Lunch/Lunch Lecture: Intradural Tumors		Wolinsky, J
13:00 - 13:10	Travel to Modules		
13:10 - 14:40	MODULE A: CERVICAL TRAUMA		
13:10 - 14:40	MODULE A: CERVICAL TRAUMA - Case 1: OC-C1 Dislocation		Charest-Morin, R Menga, E
13:10 - 14:40	MODULE A: CERVICAL TRAUMA - Case 2: C2 Fracture (Odontoid)		Charest-Morin, R Menga, E
13:10 - 14:40	MODULE A; CERVICAL TRAUMA - Case 3: Cervical Facet Dislocation		Charest-Morin, R Menga, E
13:10 - 14:40	MODULE B: ADULT DEFORMITY		
13:10 - 14:40	MODULE B: ADULT DEFORMITY - Case 1: Adult Deformity Principles		France, J Spina, N
13:10 - 14:40	MODULE B: ADULT DEFORMITY - Case 2: Thoracolumbar Kyphosis		France, J Spina, N
13:10 - 14:40	MODULE B: ADULT DEFORMITY- Case 3: Degenerative Scoliosis with Back and Leg Pain		France, J Spina, N
13:10 - 14:40	MODULE C: THORACOLUMBAR TRAUMA		
13:10 - 14:40	MODULE C: THORACOLUMBAR TRAUMA - Case 1: T12 B2 Injury without Deficit		Curry, P Lee, M
13:10 - 14:40	MODULE C: THORACOLUMBAR TRAUMA - Case 2: L1 A3 Injury with Conus Medullaris Syndrome		Curry, P Lee, M
13:10 - 14:40	MODULE C: THORACOLUMBAR TRAUMA - Case 3: T6 C2 Injury		Curry, P Lee, M
13:10 - 14:40	MODULE D: CERVICAL SPINE LAB		
13:10 - 14:40	MODULE D: CERVICAL SPINE LAB - A. Cervical Lateral Mass Screws	Agochukwu, U Wolinsky, J	
13:10 - 14:40	MODULE D: CERVICAL SPINE LAB - B. C2 Pedicle Screws	Agochukwu, U Wolinsky, J	
13:10 - 14:40	MODULE D: CERVICAL SPINE LAB - C. C1 Lateral Mass Screws	Agochukwu, U Wolinsky, J	
14:40 - 15:00	Coffee Break / Travel to Modules		
15:00 - 16:30	MODULE A: CERVICAL TRAUMA		
15:00 - 16:30	MODULE A: CERVICAL TRAUMA - Case 1: OC-C1 Dislocation		Charest-Morin, R Menga, E
15:00 - 16:30	MODULE A: CERVICAL TRAUMA - Case 2: C2 Fracture (Odontoid)		Charest-Morin, R Menga, E
15:00 - 16:30	MODULE A; CERVICAL TRAUMA - Case 3: Cervical Facet Disclocation		Charest-Morin, R Menga, E
15:00 - 16:30	MODULE B: ADULT DEFORMITY		
15:00 - 16:30	MODULE B: ADULT DEFORMITY - Case 1: Adult Deformity Principles		France, J Spina, N
15:00 - 16:30	MODULE B: ADULT DEFORMITY - Case 2: Thoracolumbar Kyphosis		France, J Spina, N

15:00 - 16:30	MODULE B: ADULT DEFORMITY - Case 3: Degenerative Scoliosis with Back and Leg Pain		France, J Spina, N
15:00 - 16:30	MODULE C: THORACOLUMBAR TRAUMA		
15:00 - 16:30	MODULE C: THORACOLUMBAR TRAUMA - Case 1: T12 B2 Injury without Deficit		Curry, P Lee, M
15:00 - 16:30	MODULE C: THORACOLUMBAR TRAUMA - Case 2: L1 A3 Injury with Conus Medullaris Syndrome		Curry, P Lee, M
15:00 - 16:30	MODULE C: THORACOLUMBAR TRAUMA - Case 3: T6 C2 Injury		Curry, P Lee, M
15:00 - 16:30	MODULE D: CERVICAL SPINE LAB		
15:00 - 16:30	MODULE D: CERVICAL SPINE LAB - A. Cervical Lateral Mass Screws	Agochukwu, U Wolinsky, J	
15:00 - 16:30	MODULE D: CERVICAL SPINE LAB - B. C2 Pedicle Screws	Agochukwu, U Wolinsky, J	
15:00 - 16:30	MODULE D: CERVICAL SPINE LAB - C. C1 Lateral Mass Screws	Agochukwu, U Wolinsky, J	

Day 2

Sunday, April 27, 2025 - 07:30 - 14:10 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
07:30 - 08:55	MODULE A: LUMBAR DEGENERATIVE DISEASE			
07:30 - 08:55	MODULE A: LUMBAR DEGENERATIVE DISEASE - Case 1: L4 Disk Herniation		Agochukwu, U Spina, N	
07:30 - 08:55	MODULE A: LUMBAR DEGENERATIVE DISEASE - Case 2: Lumbar Spinal Stenosis		Agochukwu, U Spina, N	
07:30 - 08:55	MODULE A: LUMBAR DEGENERATIVE DISEASE - Case 3: Degenerative and Isthmic Spondylolisthesis		Agochukwu, U Spina, N	
07:30 - 08:55	MODULE B: CERVICAL DEGENERATIVE DISEASE			
07:30 - 08:55	MODULE B: CERVICAL DEGENERATIVE DISEASE - Case 1: C5/6 Disk Herniation with Radiculopathy (anterior and posterior options)		Curry, P Daffner, S	
07:30 - 08:55	MODULE B: CERVICAL DEGENERATIVE DISEASE - Case 2: Cervical Stenosis with Myeloradiculopathy		Curry, P Daffner, S	
07:30 - 08:55	MODULE B: CERVICAL DEGENERATIVE DISEASE - Case 3: Multilevel Cervical Stenosis with Myelopathy and Kyphosis		Curry, P Daffner, S	
07:30 - 08:55	MODULE C: TUMOR / INFECTION			
07:30 - 08:55	MODULE C: TUMOR / INFECTION - Case 1: Hematogenous Osteomyelitis		Charest-Morin, R Wolinsky, J	
07:30 - 08:55	MODULE C: TUMOR / INFECTION - Case 2: Metastatic Tumor		Charest-Morin, R Wolinsky, J	
07:30 - 08:55	MODULE C: TUMOR / INFECTION - Case 3: Primary Tumor		Charest-Morin, R Wolinsky, J	
07:30 - 08:55	MODULE D: LUMBAR SPINE LAB			
07:30 - 08:55	MODULE D: LUMBAR SPINE LAB - A. Lumbar Pedicle Screws	Menga, E		
07:30 - 08:55	MODULE D: LUMBAR SPINE LAB - B. Thoracic Pedicle Screws	Menga, E		
07:30 - 08:55	MODULE D: LUMBAR SPINE LAB - C. Pelvic Fixation	Menga, E		
08:55 - 09:05	Travel to Modules			
09:05 - 10:30	MODULE A: LUMBAR DEGENERATIVE DISEASE			
09:05 - 10:30	MODULE A: LUMBAR DEGENERATIVE DISEASE - Case 1: L4 Disk Herniation		Agochukwu, U Spina, N	

09:05 - 10:30	MODULE A: LUMBAR DEGENERATIVE DISEASE - Case 2: Lumbar Spinal Stenosis		Agochukwu, U Spina, N
09:05 - 10:30	MODULE A: LUMBAR DEGENERATIVE DISEASE - Case 3: Degenerative and Isthmic Spondylolisthesis		Agochukwu, U Spina, N
09:05 - 10:30	MODULE B: CERVICAL DEGENERATIVE DISEASE		
09:05 - 10:30	MODULE B: CERVICAL DEGENERATIVE DISEASE - Case 1: C5/6 Disk Herniation with Radiculopathy (anterior and posterior options)		Curry, P Daffner, S
09:05 - 10:30	MODULE B: CERVICAL DEGENERATIVE DISEASE - Case 2: Cervical Stenosis with Myeloradiculopathy		Curry, P Daffner, S
09:05 - 10:30	MODULE B: CERVICAL DEGENERATIVE DISEASE - Case 3: Multilevel Cervical Stenosis with Myelopathy and Kyphosis		Curry, P Daffner, S
09:05 - 10:30	MODULE C: TUMOR / INFECTION		
09:05 - 10:30	MODULE C: TUMOR / INFECTION - Case 1: Hematogenous Osteomyelitis		Charest-Morin, R Wolinsky, J
09:05 - 10:30	MODULE C: TUMOR / INFECTION - Case 2: Metastatic Tumor		Charest-Morin, R Wolinsky, J
09:05 - 10:30	MODULE C: TUMOR / INFECTION - Case 3: Primary Tumor		Charest-Morin, R Wolinsky, J
09:05 - 10:30	MODULE D: LUMBAR SPINE LAB		
09:05 - 10:30	MODULE D: LUMBAR SPINE LAB - A. Lumbar Pedicle Screws	Menga, E	
09:05 - 10:30	MODULE D: LUMBAR SPINE LAB - B. Thoracic Pedicle Screws	Menga, E	
09:05 - 10:30	MODULE D: LUMBAR SPINE LAB - C. Pelvic Fixation	Menga, E	
10:30 - 10:50	Coffee Break / Travel to Modules		
10:50 - 12:15	MODULE A: LUMBAR DEGENERATIVE DISEASE (with lunch)		
10:50 - 12:15	MODULE A: LUMBAR DEGENERATIVE DISEASE - Case 1: L4 Disk Herniation		Agochukwu, U Spina, N
10:50 - 12:15	MODULE A: LUMBAR DEGENERATIVE DISEASE - Case 2: Lumbar Spinal Stenosis		Agochukwu, U Spina, N
10:50 - 12:15	MODULE A: LUMBAR DEGENERATIVE DISEASE - Case 3: Degenerative and Isthmic Spondylolisthesis		Agochukwu, U Spina, N
10:50 - 12:15	MODULE B: CERVICAL DEGENERATIVE DISEASE (with lunch)		
10:50 - 12:15	MODULE B: CERVICAL DEGENERATIVE DISEASE - Case 1: C5/6 Disk Herniation with Radiculopathy (anterior and posterior options)		Curry, P Daffner, S
10:50 - 12:15	MODULE B: CERVICAL DEGENERATIVE DISEASE - Case 2: Cervical Stenosis with Myeloradiculopathy		Curry, P Daffner, S
10:50 - 12:15	MODULE B: CERVICAL DEGENERATIVE DISEASE - Case 3: Multilevel Cervical Stenosis with Myelopathy and Kyphosis		Curry, P Daffner, S
10:50 - 12:15	MODULE C: TUMOR / INFECTION (with lunch)		
10:50 - 12:15	MODULE C: TUMOR / INFECTION - Case 1: Hematogenous Osteomyelitis		Charest-Morin, R Wolinsky, J
10:50 - 12:15	MODULE C: TUMOR / INFECTION - Case 2: Metastatic Tumor		Charest-Morin, R Wolinsky, J
10:50 - 12:15	MODULE C: TUMOR / INFECTION - Case 3: Primary Tumor		Charest-Morin, R Wolinsky, J
10:50 - 12:15	MODULE D: LUMBAR SPINE LAB (with lunch)		
10:50 - 12:15	MODULE D: LUMBAR SPINE LAB - A. Lumbar Pedicle Screws	Menga, E	
10:50 - 12:15	MODULE D: LUMBAR SPINE LAB - B. Thoracic Pedicle Screws	Menga, E	

10:50 - 12:15	MODULE D: LUMBAR SPINE LAB - C. Pelvic Fixation	Menga, E	
12:15 - 12:25	Pick up Lunch/Travel to modules		
12:25 - 13:50	MODULE A: LUMBAR DEGENERATIVE DISEASE		
12:25 - 13:50	MODULE A: LUMBAR DEGENERATIVE DISEASE - Case 1: L4 Disk Herniation		Agochukwu, U Spina, N
12:25 - 13:50	MODULE A: LUMBAR DEGENERATIVE DISEASE - Case 2: Lumbar Spinal Stenosis		Agochukwu, U Spina, N
12:25 - 13:50	MODULE A: LUMBAR DEGENERATIVE DISEASE - Case 3: Degenerative and Isthmic Spondylolisthesis		Agochukwu, U Spina, N
12:25 - 13:50	MODULE B: CERVICAL DEGENERATIVE DISEASE		
12:25 - 13:50	MODULE B: CERVICAL DEGENERATIVE DISEASE - Case 1: C5/6 Disk Herniation with Radiculopathy (anterior and posterior options)		Curry, P Daffner, S
12:25 - 13:50	MODULE B: CERVICAL DEGENERATIVE DISEASE - Case 2: Cervical Stenosis with Myeloradiculopathy		Curry, P Daffner, S
12:25 - 13:50	MODULE B: CERVICAL DEGENERATIVE DISEASE - Case 3: Multilevel Cervical Stenosis with Myelopathy and Kyphosis		Curry, P Daffner, S
12:25 - 13:50	MODULE C: TUMOR / INFECTION		
12:25 - 13:50	MODULE C: TUMOR / INFECTION - Case 1: Hematogenous Osteomyelitis		Charest-Morin, R Wolinsky, J
12:25 - 13:50	MODULE C: TUMOR / INFECTION - Case 2: Metastatic Tumor		Charest-Morin, R Wolinsky, J
12:25 - 13:50	MODULE C: TUMOR / INFECTION - Case 3: Primary Tumor		Charest-Morin, R Wolinsky, J
12:25 - 13:50	MODULE D: LUMBAR SPINE LAB		
12:25 - 13:50	MODULE D: LUMBAR SPINE LAB - A. Lumbar Pedicle Screws	Menga, E	
12:25 - 13:50	MODULE D: LUMBAR SPINE LAB - B. Thoracic Pedicle Screws	Menga, E	
12:25 - 13:50	MODULE D: LUMBAR SPINE LAB - C. Pelvic Fixation	Menga, E	
13:50 - 14:10	Post Assessment Test / Closing Remarks		

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.

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.

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.

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.