AOSPINE
NORTH AMERICA

Preliminary Program

Complex Cervical Spine Surgery and Complication Management:

(Hands-on Bioskills LAB)

June 6 – 7, 2014

Marriott Chicago Southwest at Burr Ridge
SERC Bioskills Lab at NASS
Burr Ridge, Illinois

Advancing spine care worldwide

AOSPINE Curriculum

Sponsored by AO North America

Our purpose and responsibility is to shape our members' skills and understanding of spine principles; to establish new values and incentives for the creation of knowledge, the sharing of wisdom and the development of new tools and techniques that improve patient care, patient outcomes and the cost effectiveness of spine surgery.

Excellence in Spine

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Message from AOSpine North America Chairman

Welcome to AOSpine North America!

As Chairman of AOSpine North America it is my distinct pleasure to introduce you to this unique and exciting organization. I invite you to play an active role in advancing interdisciplinary spine care, education and research through the many opportunities afforded by AOSpine North America. We pride ourselves in being part of the largest global, academically oriented interdisciplinary fellowship of spine surgeons.

Dramatic challenges to health care and expectations around patient care delivery are mandating a shift in the way spine surgeons practice. Evidenced-based, multidisciplinary care is replacing previous models of practice and this is an area where the AO can add significant educational value.

The AO ('Arbeitsgemeinschaft Osteosynthesefragen') is a noncommercial entity dedicated to education, research and advancement of surgical care provided in a fellowship of like-minded surgeons spanning the globe. Based on the concepts and philosophies of the AO, AOSpine International (AOSI) has enjoyed an amazing growth in membership and activities. AOSI is regionally represented by North America, Latin America, Asia-Pacific, Europe, and the Middle East. AOSI (currently chaired by Dr. Jeff Wang of Los Angeles) coordinates and oversees the global educational and research offerings. These include the Global Spine Congress, the World Forum for Spine Research, publishing 2 Spine periodicals (Evidence Based Spine-care Journal (EBSJ), The Global Spine Journal and a number of textbooks on spine care, as well as organizing a sizeable number of educational and research offerings.

Activities of AOSpine North America include educational events delivered by recognized leaders in their fields. In addition to education there is a multicenter research network constituted by premier North American institutions with award-winning projects (AOSNA Clinical Research Network) North America's largest peer-reviewed fellowship support program, and many peer-reviewed grant-funding opportunities. As an organization we also enjoy an ongoing strong partnership with AO North America for educational support and direction, featuring a well-established Continuing Medical Education organization with common commitment to the AO principles and the "AO family" in North America. In contrast to many other formal societies we are intentionally inclusive of specialties and origins and value our straightforward ability to provide academic advancement with the least amount of bureaucracy.

These are exciting times. We hope you will enjoy your exposure to AOSpine North America and join us in our further development as an active participant!

With warm regards,

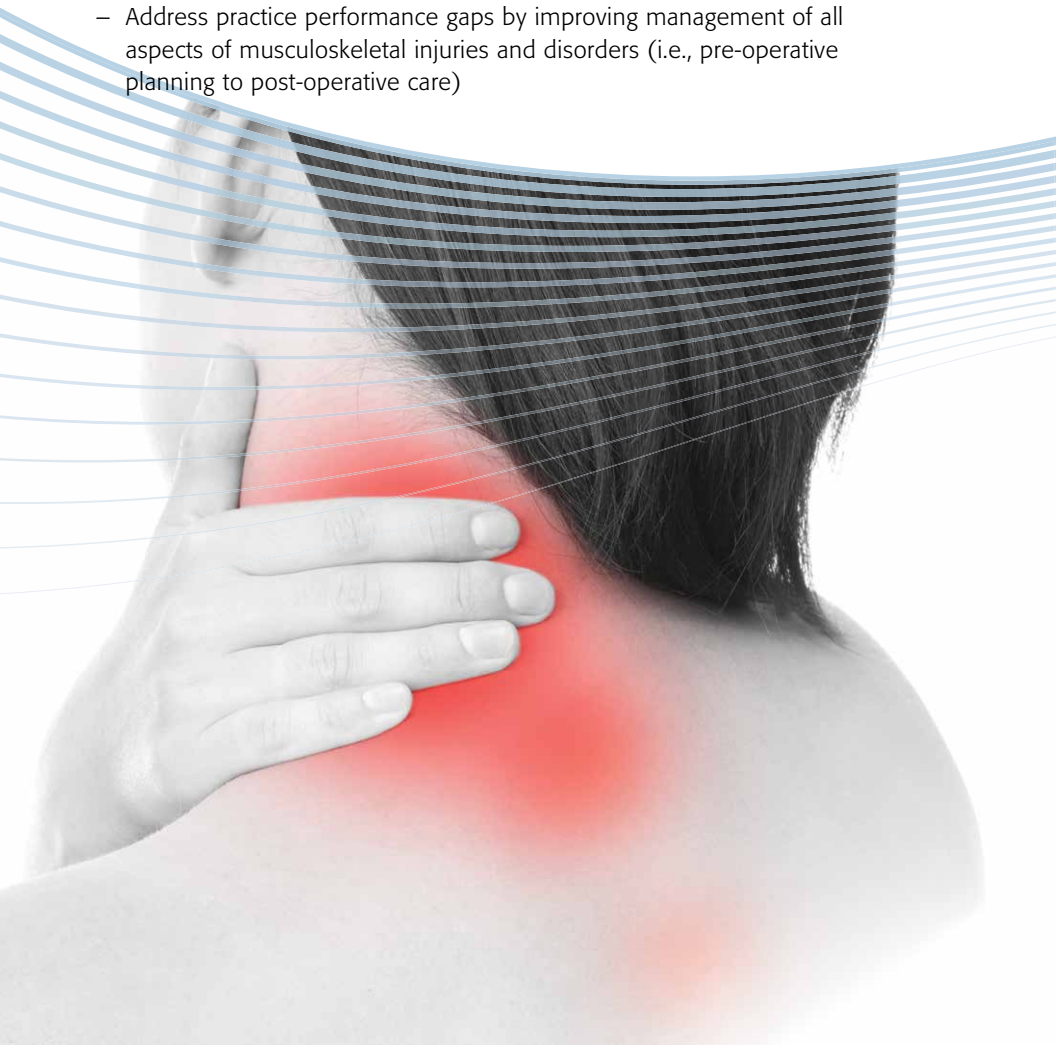
Michael G. Fehlings, MD, PhD, FRCSC, FACS
Chairman, AOSpine North America

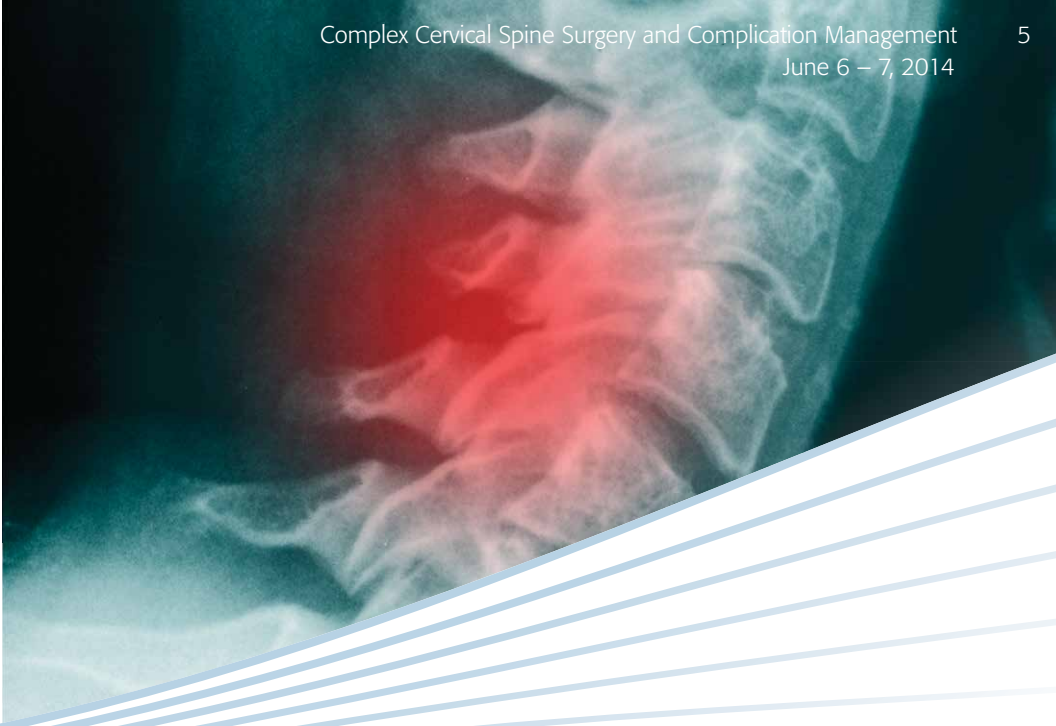
CME Mission Statement

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 orthopaedic, hand, craniomaxillofacial, spine, 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
- Apply and document competencies in areas of relevant advances in knowledge in the areas of trauma, degenerative disorders, deformities, tumors, and reconstructive surgical techniques into patient care resulting in improved competence
- Address practice performance gaps by improving management of all aspects of musculoskeletal injuries and disorders (i.e., pre-operative planning to post-operative care)





Course Description

This is a comprehensive 2-day review of complex spinal resection and reconstruction techniques used in modern cervical spine surgery. The course utilizes the human anatomic specimen laboratory and didactic sessions with ample time for discussion. This intensive course emphasizes the fundamentals of spine surgery, particularly biomechanical considerations, and the surgery decision-making process.

Through intensive, hands-on sessions utilizing human anatomic specimens, participants will engage in surgical techniques and strategies for a range of cervical spine procedures. Led by experienced faculty, the course provides a forum for exposure to the latest cutting edge techniques used for cervical spine reconstruction. Significant time is dedicated to operative indication discussions. The problem-based decision making process is emphasized during these very interactive discussions.

Target Audience

Enrollment in this course is open to attending orthopaedic and neurological spine surgeons.

Learner Objectives

At the conclusion of this Course, the participant should be able to:

- Utilize problem-based decision-making to develop logical algorithms for solving complex spine problems
- Assess the patient in terms of natural history, medical limitations, patient concerns, and treatment expectations
- Apply anatomic and physiologic principles to the variety of surgical approaches available to access the cervical spine
- Use evidence-based decision making when recommending operative and nonoperative interventions
- Describe indications for complex spinal techniques for cervical spine surgery
- Explain relevant spinal anatomy, including regional nuances
- Employ physiological and surgical principles to spinal fusion and instrumentation
- Select and perform appropriate surgical procedures for specific indications
- Recognize the fundamental skills required to perform the most appropriate operation for any given clinical pathology
- Prevent/manage operative and postoperative complications
- Use outcome measures to assess the effectiveness of each intervention

Accreditation

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 17.5 ***AMA PRA Category 1 Credits***™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Faculty

The faculty of this Course is composed of international surgeons distinguished in the field of operative fracture care.

Course Co-Chairmen

Theodore J Choma, MD
Professor & Vice Chairman
Orthopaedic Surgery Dept.
University of Missouri
Director, Missouri Spine Center
Columbia, Missouri

Phillip B. Storm, MD
Associate Professor
Perelman School of Medicine
University of Pennsylvania
Chief, Division of Pediatric Neurosurgery
Children's Hospital of Philadelphia
Philadelphia, Pennsylvania

Education Advisor

Joseph Cheng, MD, MS
Associate Professor, Department of Neurosurgery
Director, Neurosurgery Spine Program
Vanderbilt University Medical Center
Nashville, Tennessee

Invited Faculty

Richard Bransford, MD
Associate Professor
Department of Orthopedics and Sports Medicine
Department of Neurosurgery
Harborview Medical Center
University of Washington
Seattle, Washington

Dean Chou, MD
Associate Professor
Department of Neurosurgery
The UCSF Spine Center
University of California San Francisco
San Francisco, California

John C France, MD
Professor, Orthopaedics & Neurosurgery
Department of Orthopaedic Surgery
West Virginia University
Chief of Spine Surgery
Morgantown, West Virginia

Robert Molinari, MD
Professor
Department of Orthopaedic Surgery
University of Rochester
Rochester, New York

James Schuster, MD, PhD
Associate Professor
Department of Neurosurgery
University of Pennsylvania
Philadelphia, Pennsylvania

Daniel Sciubba, MD
Assistant Professor of Neurosurgery,
Oncology and Orthopaedic Surgery
Director, Spine Research
Johns Hopkins Hospital
Baltimore, Maryland

Faculty list subject to change.

Preliminary Program

June 6, 2014

Time	Agenda Item
07:30 – 07:45	Welcome and Introduction
07:45 – 12:15	**ANTERIOR**
07:45 – 08:10	Upper cervical spine approaches and risks of dyspahgia and dysphonia
08:10 – 08:15	Questions
08:15 – 08:30	Lower Cervical and Lower Cervical (C7-T3) Approaches
08:30 – 08:35	Questions
08:35 – 08:50	Arthroplasty v. ACDF patient selection and outcomes
08:50 – 08:55	Questions
08:55 – 09:05	Arthroplasty techniques
09:05 – 09:10	Questions
09:10 – 09:25	**Break**
09:25 – 09:55	Reconstruction options: cages, allograft, autograft
09:55 – 10:00	Questions
10:10 – 10:35	Managing Complications: Vertebral Artery Injury, Airway Compromise, Edema, Hematoma and Cricothyroidotomy
10:35 – 10:40	Questions
10:40 – 11:30	ACDF with Foraminotomy and Corpectomy with Reconstruction, Vertebral Artery Exposure (Demonstration)
11:30 – 12:15	Transoral Approach to Dens (Demonstration)
12:15 – 13:00	Lunch with Questions, Case Discussion
13:00 – 17:30	**Hands-on Bioskills Lab**

Preliminary Program

June 7, 2014

Time	Agenda Item
07:50 – 11:45	**POSTERIOR**
07:50 – 08:00	Introduction
08:00 – 08:25	Occipital, C1, C2 fixation
08:25 – 08:30	Questions
08:30 – 08:40	Lateral mass screw and C7 pedicle screw placement
08:40 – 08:45	Questions
08:45 – 08:55	Dural Repair
08:55 – 09:00	Questions
09:00 – 09:10	Posterior foraminotomy
09:10 – 09:15	Questions
09:15 – 09:30	Anterior v. Posterior Approaches for Cervical Disc Radiculopathy
09:30 – 09:35	Questions
09:35 – 09:55	Management of Complications: Infection Prevention and Treatment and Rescue for Screw Pullout
09:55 – 10:00	Questions
10:00 – 10:15	**Break**
10:15 – 11:15	Posterior Exposure, Foraminotomy, Laminaplasty Pedicle Subtraction Osteotomy (Demonstration)
11:15 – 11:45	Freehand C1-C2 Fixation, Fusion (Demonstration)
11:45 – 12:30	Lunch with Questions, Case Discussions
12:30 – 16:00	**Hands-on Bioskills Lab**

Preliminary program subject to modification.

Presentation 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.

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.

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.

Presentation Information (continued)

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.

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.

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 AONA 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.

General Information

Registration Fees
Tuition: $1500.00 (US funds)

Tuition Includes: Registration, laboratory materials, breakfasts, coffee breaks and lunch

Registration Procedure
Registration is available online only at www.aona.org
We encourage early registration, as seating is limited. Upon receipt of your **online** registration and payment, you will be sent via email a confirmation of your registration in the course, along with hotel and travel information to assist you in making your arrangements. Participants who register after the course is full will be placed on a wait list and contacted if space becomes available.

PLEASE NOTE: Registration deadline is May 14, 2014

Refund Policy
Full refunds will be made only if written notice of cancellation is received by registration deadline date. Cancellations received after the **deadline date** will be subject to a 10% cancellation fee. No tuition refund will be issued for cancellations after the start date of the course.

ADA Statement
AO North America fully intends to comply with the legal requirements of the Americans with Disabilities Act. If any registrant is in need of accommodation, please do not hesitate to submit a written request at least one month prior to this activity.

Until an email confirmation is received, please do not consider yourself registered in this Course.

For Information:
Contact AONA Customer Service Department
Phone: (800) 769-1391
(610) 695-2459
Fax: (610) 695-2420
Email: customerservice@aona.org

Please visit our website: www.aona.org to register and for other course offerings.

Hotel and Travel

Hotel Accommodations

The program, related activities, and accommodations will be held at:

Marriott Chicago Southwest at Burr Ridge
1200 Burr Ridge Parkway
Burr Ridge, IL
60527
630-986-4100

Bioskill Lab
Spine Education and Research Center (SERC)
7075 Veterans Blvd.
Burr Ridge, IL
60527
(630) 230-3600

Hotel Concessions:

*Complimentary guestroom Internet service
*Complimentary fitness center access
*Complimentary Midway Airport Transportation

Room rate

Room reservations are the responsibility of the individual registrant. A block of rooms has been reserved at a rate of $149.00 per night, plus tax, single/double occupancy, at the Marriott Chicago Southwest at Burr Ridge

Rooms will be held until May 14, 2014 or until room block is filled, whichever comes first. After this date, rooms will be on an as-available basis.

Reservations procedure – book by May 14, 2014

To make your hotel reservation, please call The Marriott Chicago Southwest at Burr Ridge 630-986-4100 and ask to book a room for the "AONorth America Course"

Deadline: It is strongly recommended that participants book their hotel rooms as soon as possible, as space will fill rapidly. Reservations at the group rate may not be available after May 14, 2014.

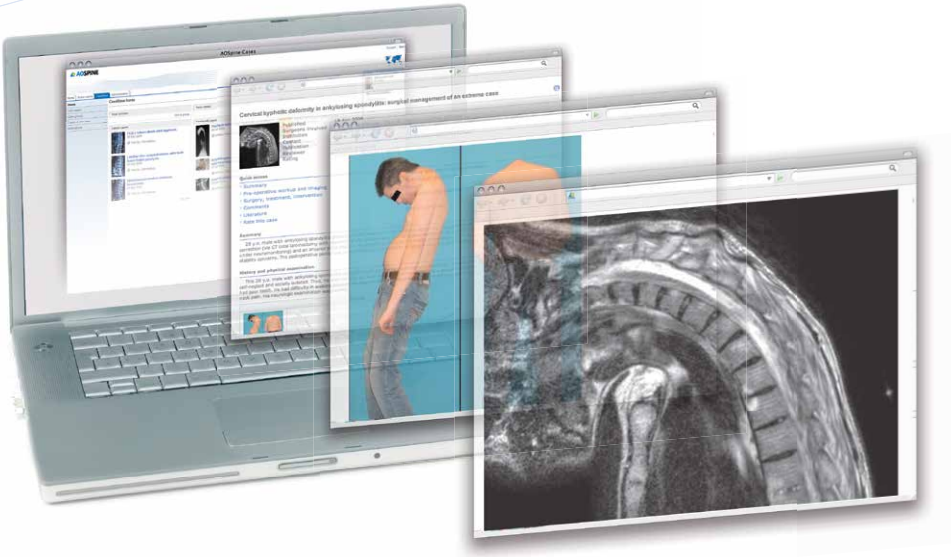
Travel

For assistance with travel to and from Burr Ridge, you are invited to contact AAA Travel (800-259-4023). The Marriott Chicago Southwest at Burr Ridge is located 13 miles from the Chicago Midway Airport (MDW) and 21 miles from Chicago O'Hare Airport (ORD). Taxi and limo service are available.

Complete information will be provided in the confirmation email.

AOSPINE

What if you could access clinical case studies through just one mouse click?



AOSpine offers subscribed members CaseBase, a collaborative knowledge platform to compare and comment on all aspects of spinal cases, plus many other membership benefits and discounts!

Visit www.aospine.org for more information.

Join AOSpine now!

AOSpine — the leading global academic community for innovative education and research in spine care, inspiring lifelong learning and improving patients' lives.

AOSpine North America
1700 Russell Road
Paoli, PA 19301
USA

T +1 610-993-5131
F +1 610-695-2420
aosna@aospine.org
www.aospine.org

facebook.com/aospine
@aospine
aospine

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Hotel Deadline: May 14, 2014

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