



AO Trauma Course-Advanced Principles of Fracture Management



October 26, 2017 - October 29, 2017
Toronto, ON, Canada

This Advanced Course will focus on the treatment of complex fractures and fracture complications. This will be accomplished through didactic presentations and group discussions between the participants and faculty. In addition, surgical techniques will be practiced on artificial bones. Topics will include: complex fractures of the upper and lower extremities, fractures of the pelvis and acetabulum, fracture complications and polytrauma management. Participants will have opportunity to address treatment of malunions and nonunions, using preoperative planning and current fixation techniques

Event Summary

Tuition:

Level Name: Participant - Orthopaedic
Pricing Tier: Attending
Tuition: \$1,585.00

Level Name: Participant - Orthopaedic
Pricing Tier: Resident
Tuition: \$1,195.00

Course Prerequisite(s):

- AOTrauma Course – Basic Principles of Fracture Management

Venue:

Hilton Toronto Markham Suites
8500 Warden Avenue
Markham, Ontario, Canada
Phone Number: 905-470-8500

Please Note: This course is available to physicians only.

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
- Attending
- Fellow

CME

Continuing Education Credit: 27.00

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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 27.00 **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:

- Apply reduction techniques in fracture management with attention to soft tissues
- Assess and treat complex diaphyseal and (peri)articular fractures using advanced application techniques
- Initiate appropriate management for patients with pelvic injuries and polytrauma
- Recognize complications and manage accordingly

Faculty



Stephen, David - Chairperson

MD, FRCS(C)
Sunnybrook Health Sciences Centre
Associate Professor
University of Toronto
Toronto, ON



Kreder, Hans - Director

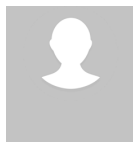
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**Crist, Brett - Evaluator**

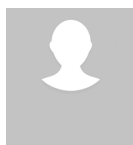
MD
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Director Orthopaedic Trauma Fellowship
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**Della Rocca, Gregory - Coach**

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**Berry, Greg - Coach, Lecturer**

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**Coles, Chad - Coach, Lecturer**

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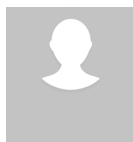
**Sirkin, Michael - Coach, Lecturer**

MD
Vice Chairman, Department of Orthopaedics
Co-Chief, Orthopaedic Trauma Service
Professor of Orthopaedics
Rutgers-New Jersey Medical School
Newark, NJ

Dr. Sirkin is a graduate of University of Medicine and Dentistry of New Jersey-New Jersey Medical School and then stayed at the New Jersey Medical School for his orthopedic residency. He continued his training where he completed his fellowship in orthopedic trauma in Tampa at the Florida Orthopedic Institute. His practice consists of all areas of orthopedic trauma including complex fracture care and associated complications with a focus on long bone infections. He is frequently an invited speaker on the topic of acute and chronic osteomyelitis and the treatment of these infections. He is currently the vice chairman and professor in the department of Orthopedics at Rutgers-New Jersey Medical School, in addition he is the co-chief of the orthopedic trauma service. Dr. Sirkin currently serves on AOTEC and will be the next chair of the committee.

**Ahn, Jaimo - Lecturer**

MD, PhD
Director, Medical Student Clerkship
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Co-Director, Orthopaedic Trauma
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**Benirschke, Stephen - Lecturer**

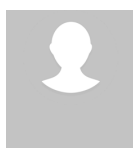
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**Camuso, Matthew - Lecturer**

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**Gladden, Paul - Lecturer**

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**Miranda, Michael - Lecturer**

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**Perey, Bertrand - Lecturer**

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**Reilly, Mark - Lecturer**

MD
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Chief, Orthopaedic Trauma Service
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Newark, NJ

Dr. Reilly received his medical degree from the Chicago Medical School and completed his Orthopaedic Surgery training at Harbor-UCLA Medical Center. He subsequently completed fellowship training in Orthopaedic trauma with a special emphasis on the treatment of pelvic and acetabular fractures and special reconstructive problems of the hip and pelvis under the tutelage of Dr. Joel Matta at the Hospital of the Good Samaritan and Los Angeles County-USC Medical Center. He is currently Professor of Orthopaedics at Rutgers-New Jersey Medical School and Chief of the Orthopaedic Trauma Service and Director of the Orthopaedic Trauma Fellowship at the University Hospital in Newark, New Jersey. Dr. Reilly is the Chair of AOTrauma North America and member of the AOTrauma International Board. He has previously served as Chair of the North American Musculoskeletal Trauma Education Committee. He has also served on multiple committees for the American Academy of Orthopaedic Surgeons and the Orthopaedic Trauma Association. He has a special interest within the AO on Faculty Development and has been involved in the Chair and Faculty Education as well as the Leadership Education Program. He is also currently serving on the Periprosthetic Fracture Curriculum Task Force: a collaborative group representing both AO Trauma and AO Recon. Dr. Reilly has extensively published in the Orthopaedic Trauma literature and has taught at over 300 educational events world-wide.

**Sims, Stephen - Lecturer**

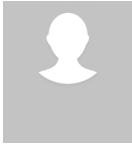
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**Soles, Gillian - Lecturer**

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**Summers, Hobie - Lecturer**

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Tufescu, Ted - Lecturer

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Trauma Research Director
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Weber, Timothy - Lecturer

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Yoo, Brad - Lecturer

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Agenda

Day1

Thursday, October 26, 2017 - 07:15 - 18:55 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
07:15 - 08:00	Daily Morning Huddle			
08:00 - 08:10	Introduction/Welcome/ How to Maximize your Experience			
08:10 - 08:25	ARS PreTest			
08:25 - 09:15	Module 1: GENERAL CONCEPTS			
08:25 - 08:40	Direct and Indirect Reduction: Indications and Techniques; Respecting the Behavior of Bone			
08:40 - 08:55	Locked Plating: When to Use, Not to Use, How to Use			
08:55 - 09:05	Minimally Invasive Surgery "MIO"; Indications and Techniques			
09:05 - 09:15	Discussion and AIRS			
09:15 - 10:20	Module 2: DIAPHYSEAL FRACTURE MANAGMENT			
09:15 - 09:30	Tibia: Current Controversies			
09:30 - 09:45	Femur: Current Controversies			
09:45 - 09:55	Humerus: Current Controversies			
09:55 - 10:20	Diaphyseal Case Discussions with Faculty Panel			
10:20 - 10:40	Coffee Break and Travel to Lab			
10:40 - 12:10	Practical Exercise I: (Plating of a Distal Tibia Metaphyseal Fracture) Minimally Invasive Plate Osteosynthesis (MIPO) (with universal distractor)			
12:10 - 13:00	Lunch			
13:00 - 14:00	Module 3: ARTICULAR FRACTURES- SHOULDER			
13:00 - 13:10	Clavicle Fractures: Indications/Techniques			
13:10 - 13:25	Scapula and Glenoid Fractures			
13:25 - 13:35	Proximal Humerus: Indications and Techniques for Open Reduction and Internal Fixation (ORIF)			
13:35 - 13:45	Proximal Humerus: Indications and Techniques for Arthroplasty			
13:45 - 14:00	Discussion and AIRS			
14:00 - 14:05	Travel to Lab			
14:05 - 15:05	Practical Exercise II: Four-Part Proximal Humerus Fracture			
15:05 - 15:25	Coffee Break and Travel to Lectures			
15:25 - 16:20	MODULE 4: ARTICULAR FRACTURES- ELBOW/WRIST			
15:25 - 15:35	ORIF Distal Intra-articular Humerus Fractures: Update, Techniques and Complications			
15:35 - 15:50	Fracture Dislocations of the Elbow			
15:50 - 16:05	Distal Intra-articular Radius Fractures: Update			
16:05 - 16:20	Questions / Answers and AIRS			
16:20 - 16:30	Travel to Discussion Groups			
16:30 - 18:00	Discussion Group One: Diaphysis- Upper & Lower Extremity			

Day2

Friday, October 27, 2017 - 07:15 - 19:00 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
07:45 - 08:30	Daily Morning Huddle			
08:30 - 09:50	PRACTICAL EXERCISE III: Distal Intra-Articular Humerus Fracture			
09:50 - 09:55	Travel to Lecture			
09:55 - 10:50	MODULE 5: ARTICULAR FRACTURES- KNEE			
09:55 - 10:05	Supracondylar Femur Fractures: Current Techniques			
10:05 - 10:15	Knee Dislocations: Principles of Emergency Management			
10:15 - 10:30	Tibial Plateau: Current Techniques			
10:30 - 10:50	Questions / Answers and AIRS			
10:50 - 11:10	Coffee Break and Travel to Lab			
11:10 - 12:50	PRACTICAL EXERCISE IV: Locked Condylar Plate - Distal Femur (with universal distractor)			
12:50 - 13:50	Lunch			
13:50 - 15:10	PRACTICAL EXERCISE V: Bicondylar Tibial Plateau (with universal distractor)			
15:10 - 15:20	Travel to Lectures			
15:20 - 16:10	MODULE 6: Articular Fractures- Hip			
15:20 - 15:30	Femoral Head Fractures			
15:30 - 15:40	Femoral Neck Fractures: Techniques			
15:40 - 15:55	ORIF Peritrochanteric Fractures: Indications and Techniques, When I use a Nail vs. a Plate			
15:55 - 16:10	Questions / Answers and AIRS			

16:10 - 16:15	Travel to Small Group Discussions
16:15 - 17:45	Discussion Group Two: Articular Fractures- Upper and Lower Extremity
17:45 - 18:00	filler time
18:00 - 19:00	Reception

Day3

Saturday, October 28, 2017 - 07:00 - 18:45 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
07:00 - 07:30	Daily Morning Huddle			
07:30 - 08:00	filler time			
08:00 - 09:30	MODULE 7: FOOT / ANKLE			
08:00 - 08:15	Complex Ankle Fractures: Current Techniques			
08:15 - 08:30	Pilon Fractures: Current Techniques			
08:30 - 08:45	Talus Fractures: Current Techniques			
08:45 - 09:00	Calcaneus Fractures: Current Techniques			
09:00 - 09:15	Midfoot Injuries: Current Techniques (including Lisfranc, Navicular, Cuboid)			
09:15 - 09:30	Questions / Answers and AIRS			
09:30 - 09:40	Travel to Discussion Groups			
09:40 - 10:40	Discussion Group Three- Foot & Ankle (with break)			
10:40 - 10:50	Travel to Lab			
10:50 - 12:50	PRACTICAL EXERCISE VI: ORIF FOOT/ANKLE A. Talar Neck B. Calcaneus			
12:50 - 13:50	Lunch (Optional Meet the Experts)			
13:50 - 14:50	MODULE 8: ARTICULAR FRACTURES - PELVIS			
13:50 - 14:05	Acute Management of High Energy Pelvic Disruption			
14:05 - 14:20	Radiology of the Acetabulum			
14:20 - 14:35	Acetabular Fractures: Acute Management / Decision Making			
14:35 - 14:50	Questions / Answers and AIRS			
14:50 - 15:10	Coffee Break			
15:10 - 16:10	MODULE 9: DIFFICULT FRACTURE PROBLEMS			
15:10 - 15:20	Malunions: Principles / Common Techniques			
15:20 - 15:35	Nonunions: Principles / Common Techniques			
15:35 - 15:50	Bone Defects: Strategies (Including Biologic Membrane and Bone Transport)			
15:50 - 16:00	Bone Graft Substitutes: Update			
16:00 - 16:10	Question / Answers and AIRS			
16:10 - 16:30	ARS Post TEST			
16:30 - 16:40	Travel to Discussion Groups			
16:40 - 18:00	Discussion Group Four: Pelvis, Difficult Fracture Problems, and Other Articular Fractures			

Day4

Sunday, October 29, 2017 - 08:00 - 12:10 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
08:00 - 09:35	PRACTICAL EXERCISE VII: Femoral Malunion: Osteotomy			
09:35 - 09:55	Coffee Break and Travel to Lectures			
09:55 - 11:10	MODULE 10: DIFFICULT PROBLEMS			
09:55 - 10:05	Deep Vein Thrombosis (DVT) Prophylaxis: When, Why, How?			
10:05 - 10:15	Insufficiency Fractures: Overview and Fixation Techniques			
10:15 - 10:25	Mangled Extremity: Decision Making; Salvage vs. Amputation			
10:25 - 10:35	Infection Post Fixation: Management Principles			
10:35 - 10:45	Periprosthetic Fractures			
10:45 - 10:55	Staying Out of Trouble			
10:55 - 11:10	Question / Answers and AIRS			
11:10 - 11:15	Closing Comments			

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.

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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:

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Acknowledgment

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Educational Grant

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