



AO Trauma Course - Pelvic and Acetabular Fracture Management



May 10, 2018 - May 13, 2018
Tampa, FL, USA

This course will address the radiographic understanding of complex pelvic and acetabular fracture patterns, improve the surgeons understanding and ability to classify fractures of the pelvis, as well as allow them the opportunity to practice surgical approach, reduction and fixation techniques using human cadaveric specimens.

Although pelvic and acetabular fractures are relatively uncommon injuries, they are often complex, difficult to understand and associated with life threatening trauma. The incidence of complications may be quite high and surgeons are often unfamiliar with the regional anatomy of the pelvis and the specialized reduction techniques and implants necessary to treat these injuries. The initial management of a patient with an unstable pelvic fracture may be life-saving or significantly decrease ultimate morbidity. Practicing orthopedic surgeons are often faced with the initial management of these patients while taking emergency room call but are unprepared during their residency training to provide this management. Even practicing trauma surgeons who have graduated from a trauma fellowship often seek advice and additional instruction in managing these complex injuries.

The management of pelvic and acetabular fractures is inherently difficult. Surgical approaches are complex and involve unfamiliar anatomy often poorly understood by orthopedic surgeons. The radiographic anatomy of the pelvis is complex and difficult to understand. Reduction and fixation techniques are challenging and require specialized instruments and implants as well as knowledge of reduction techniques and maneuvers.



Event Summary

Tuition:

Level Name: Meeting Participant
Pricing Tier: Attending
Tuition: \$1,740.00

Level Name: Meeting Participant
Pricing Tier: Fellow
Tuition: \$1,740.00

Course Prerequisite(s):
No Prerequisites

Venue:

CAMLS
124 S. Franklin Street
Tampa, Florida, USA
Phone Number: 813-224-7840
www.camls-us.org

Hilton Tampa Downtown Hotel CAMLS
211 North Tampa Street
Tampa, Florida, USA
Phone Number: 813-204-3000

Please Note: This course is available to physicians only.

Language(s):

English

Directly Provided by:



Professional Level Prerequisite(s):

- Attending
- Fellow

CME

Continuing Education Credit: 27.50

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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 27.50 **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:

- Define key elements in the initial evaluation and management of patients with pelvic and acetabular fractures
- Assess pelvic and acetabular fractures as a component of a complex polytrauma situation
- Classify pelvic and acetabular fractures based upon an understanding of the radiographic appearance of the normal and injured pelvis
- Determine and demonstrate the appropriate surgical approach for pelvic and acetabular fractures
- Demonstrate appropriate decision-making strategies and define indications for operative management
- Perform techniques of reduction and internal/external fixation as applicable to pelvic and acetabular fracture patterns
- Recognize ongoing controversies in the care of multiply injured patients with pelvic and acetabular fractures

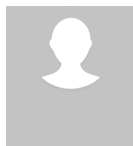
Faculty

**Sagi, H. Claude - Co-Chairperson**

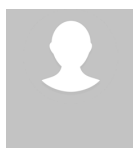
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**Ferguson, Tania - Lecturer**

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**Johnson, Eric Egan - Lecturer**

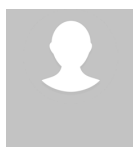
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**Kreder, Hans - Lecturer**

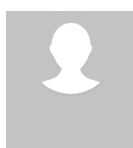
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**Learned, James - Lecturer**

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**Levine, Ari - Lecturer**

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**Reilly, Mark - Lecturer**

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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.

**Reindl, Rudolf - Lecturer**

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**Roberts, Jason - Lecturer**

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**Rothberg, David - Lecturer**

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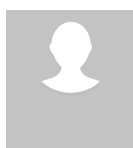
**Routt, Milton - Lecturer**

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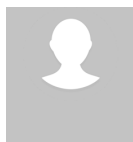
Milton Lee (Chip) Routt, Jr., M.D. is the Dr. Andrew R. Burgess Endowed Chair and Professor of Orthopaedic Surgery at The University of Texas McGovern Medical School at Houston, The Texas Trauma Institute, and Memorial Hermann Hospital - Texas Medical Center. Dr. Routt is a native of Chappell Hill, Texas, graduating Summa Cum Laude from Texas A&M University. Following medical school at the University of Texas Medical Branch at Galveston, he completed a Surgical Internship and Orthopaedic Residency at Vanderbilt University. He continued his training as a Fellow in Orthopaedic Traumatology at Harborview Medical Center, University of Washington, remaining as faculty from 1989 through 2012. Dr. Routt currently serves as the President of the Surgical Council and Co-Chairman of the Quality Assurance Committee at Memorial Hermann Hospital - Texas Medical Center. He has published over 100 peer-reviewed articles, as well as numerous other educational contributions including book chapters. He is best known as a tireless and devoted physician-surgeon, and passionate teacher. Dr. Routt has received a variety of awards for teaching and the Jack McDaniels Travelling Fellowship. He has directly mentored, educated, and hosted 100s of Orthopaedic Traumatologists from the United States and Canada, and from across the globe. He is recognized nationally and internationally for his work with pelvic and acetabular injuries. Dr. Routt is a member of the American Academy of Orthopedic Surgeons, the American Orthopedic Association, the Orthopedic Trauma Association, the AO Alumni Association and the Alpha Omega Alpha Honor Medical Society, among others. He serves on the boards for AO North America and the Western Orthopaedic Association, and is an AO Foundation trustee. Dr. Routt is board certified by the American Board of Orthopedic Surgeons.

**Sims, Stephen - Lecturer**

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**Williams, Joel - Lecturer**

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**Wright, Raymond - Lecturer**

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Agenda

Day1

Thursday, May 10, 2018 - 08:00 - 18:15 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
08:00 - 08:10	Opening Comments		Mayo, K Sagi, H Stephen, D	
08:10 - 12:15	PELVIS	Nascone, J		
08:10 - 08:25	Acute Management of Pelvic Ring Disruptions: Hemorrhage Control and Soft Tissue Management		Routt, M	
08:25 - 08:40	Pelvis Ring Injuries - Surgical Indications: Non-operative vs Operative Management, In-situ Stabilization, or ORIF?		Kreder, H	
08:40 - 09:05	PANEL DISCUSSION WITH CASES: Acute Management	Nascone, J	Kreder, H Routt, M Sims, S	
09:05 - 09:20	Anterior Ring Fixation: Symphyseal Dislocation, Ramus Fractures, Symphyseal Fracture-Dislocation		Roberts, J	
09:20 - 09:30	Posterior Pelvic Ring: Iliac Fractures (Technique of Reduction and ORIF, Role of LC-2 Type Screws)		Learned, J	
09:30 - 09:40	Posterior Pelvic Ring: Sacro-iliac Joint Dislocations/Fracture Dislocations		Stephen, D	
09:40 - 09:55	Posterior Pelvic Ring: Sacral Fractures (Technique of Reduction, Iliosacral Screws, Tension Band Plating and Lumbo-pelvic)		Reindl, R	
09:55 - 10:20	Panel Discussion: Definitive Management	Nascone, J	Johnson, E Learned, J Reindl, R Roberts, J Routt, M	
10:20 - 10:35	Break / Travel to Small Groups			
10:35 - 12:15	Small Group Discussion - Pelvic Ring Injuries		Adams, M Bellino, M Crist, B Eastman, J Ferguson, T Johnson, E Kreder, H Learned, J Leslie, M Levine, A Mayo, K Nascone, J Reilly, M Reindl, R Roberts, J Rothberg, D Routt, M Sagi, H Sims, S Stephen, D Williams, J Wright, R	
12:15 - 13:00	Lunch			
13:00 - 16:00	ACETABULUM			
13:00 - 16:00	Parcours on Radiology and Classification of Acetabular Fractures			
13:00 - 13:10	Introduction to Understanding Normal Pelvis Anatomy and Radiology. Session Lead by Small Group Moderators in First Room			
13:10 - 14:30	PARCOURS SESSION 1			
14:30 - 14:40	Coffee Break / Travel to Next Room (10 Minutes)			
14:40 - 16:00	PARCOURS SESSION 2			
16:00 - 16:15	Break			
16:15 - 18:15	ACETABULUM (continued)			
16:15 - 16:30	Acetabular Fracture Decision-Making: Indications for Surgery, Approach Choice Overview	Ferguson, T	Sims, S	
16:30 - 16:45	Surgical Approach Reduction Strategies and Fixation: Posterior Column, Posterior Wall and Marginal Impaction		Wright, R	
16:45 - 17:00	Surgical Approach Reduction Strategies and Fixation: Transverse (Plus Posterior Wall) Fractures		Johnson, E	
17:00 - 17:15	Surgical Approach, Reduction Strategies and Fixation: T-shaped Fracture		Reilly, M	
17:15 - 17:30	Surgical Approach, Reduction Strategies and Fixation: AAPHT, Associated Both Column Fracture		Mayo, K	
17:30 - 17:45	Combined Pelvic Ring Injuries and Acetabular Fractures		Eastman, J	
17:45 - 18:15	Questions, Panel Discussion - Difficult Approach Choices			

Day2

Friday, May 11, 2018 - 08:00 - 17:00 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
08:00 - 17:00	CADAVER DAY 1 (ACETABULUM)			
08:00 - 08:45	Video: R Iliioinguinal / ABC Sawbone	Sims, S		

08:45 - 10:45	Participants Do R Ilioinguinal (Perform: Reduction Clamp Placement, Brim Plate) then Bone Model ORIF	Williams, J
10:45 - 11:00	Break	
11:00 - 11:15	Video: Pfanensteil / L AIP with Lateral Window Showing ASIS Osteotomy / Anterior SI Joint	Sagi, H
11:15 - 12:45	Participants Do Pfanensteil /AIP with ASIS Osteotomy (Perform: Reduction Clamp Placement, Contour Infra-pectineal Plate) Anterior Approach to left SI Joint with SI Plate	
12:45 - 13:45	Lunch - Video: Dissection L Extended Ilio-femoral	Reilly, M
13:45 - 14:15	Video R. Kocher - Langenbeck / Transverse Posterior Wall Sawbone	Ferguson, T
14:15 - 16:30	Participants Do Kocher-Langenbeck (Perform: Reduction Clamp Placement (Jungleuth (PC), Angled Jaw Through Notch (AC), Transverse + Posterior Wall Sawbone	Adams, M
16:30 - 17:00	Review / Discuss	

Day3

Saturday, May 12, 2018 - 08:00 - 17:00 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
08:00 - 12:00	CADAVER DAY 2: PELVIS			
08:00 - 12:00	GROUP 1 (CADAVER LAB)			
08:00 - 08:30	Video L Gibson With Trochanteric Osteotomy and Surgical Dislocation	Mayo, K		
08:30 - 10:00	Live Dissection: L Gibson With Trochanteric Osteotomy and Surgical Dislocation			
10:00 - 10:30	Break and Video Posterior Approach to R SI Joint with Clamp Placement	Kreder, H		
10:30 - 12:00	Live Dissection: Posterior Approach to Sacrum With Tension Band Plate			
08:00 - 12:00	GROUP 2 (C-ARMS) Cadaver Labs / CASE DISCUSSION			
08:00 - 09:15	LC-2 Screws Anterior External Fixators (Crest and AIIS) Ramus Fixation and Anterior / Posterior Column Screws	Rothberg, D		
09:15 - 10:30	Iliosacral Screws and Transsacral Screws	Routt, M		
10:30 - 12:00	Break / CASE DISCUSSION			
12:00 - 13:00	Lunch			
13:00 - 17:00	CADAVER DAY 2: PELVIS (continued)			
13:00 - 17:00	GROUP 1 (C-ARMS) Cadaver Lab / Case Discussion			
13:00 - 14:15	LC-2 Screws Anterior External Fixators (Crest and AIIS) Ramus Fixation and Anterior / Posterior Column Screws	Rothberg, D		
14:15 - 15:30	Iliosacral Screws and Transsacral Screws	Routt, M		
15:30 - 17:00	Break / CASE DISCUSSION			
13:00 - 17:00	GROUP 2 (CADAVER LAB)			
13:00 - 13:30	Video L Gibson with Trochanteric Osteotomy and Surgical Dislocation	Mayo, K		
13:30 - 15:00	Live Dissection: L Gibson with Trochanteric Osteotomy and Surgical Dislocation			
15:00 - 15:30	Video: Posterior Approach to R SI Joint with Clamp Placement	Kreder, H		
15:30 - 17:00	Live Dissection: Posterior Approach to Sacrum with Tension Band Plate			

Day4

Sunday, May 13, 2018 - 08:00 - 12:00 - (includes breaks, travel-time and meals)

Schedule	Title	Moderator	Faculty	Room
08:00 - 09:40	SMALL GROUP DISCUSSION			
08:00 - 09:40	Small Group Acetabular Fracture Cases - Definitive Management (From Parcours)		Adams, M Bellino, M Crist, B Eastman, J Ferguson, T Johnson, E Kreder, H Learned, J Leslie, M Levine, A Mayo, K Nascone, J Reilly, M Reindl, R Roberts, J Rothberg, D Routt, M Sagi, H Sims, S Stephen, D Williams, J Wright, R	
09:40 - 10:10	PELVIS - SPECIAL TOPICS	Mayo, K		
09:40 - 09:55	The Geriatric Pelvis - from Insufficiency Fractures to Real Trauma		Kreder, H	
09:55 - 10:10	Pediatric Pelvic Ring/Acetabular Injuries		Rothberg, D	
10:10 - 12:00	ACETABULUM - SPECIAL TOPICS			
10:10 - 10:40	Geriatric Acetabular Fractures - When and How to Manage by ORIF/CRIF		Reilly, M	

10:40 - 10:55	Geriatric Acetabular Fractures - Primary THA - Indications and Techniques	Ferguson, T
10:55 - 11:45	PANEL DISCUSSION: Tips and Tricks / Complex Cases	Ferguson, T Johnson, E Kreder, H Reilly, M Rothberg, D
11:45 - 12:00	Final Comments - Closing	Mayo, K Sagi, H Stephen, D

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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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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.

Acknowledgment

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.