

**SOCIETY OF MILITARY ORTHOPAEDIC SURGEONS
PRELIMINARY PROGRAM**

56th Annual Meeting
December 15-19, 2014
Fairmont Scottsdale Princess
Scottsdale, Arizona

ACCREDITATION INFORMATION

PROGRAM COMMITTEE

MAJ Jonathan F. Dickens, MD – Co-Chair
LCDR Scott Tintle, MD – Co-Chair
Maj. C. Dain Allred, MD
LTC Anthony E. Johnson, MD
Maj. Christopher Lebrun, MD
Lt Louis Lewandowski, MD
CDR John Paul Rue, MD

SOMOS MISSION STATEMENT

To provide a forum for the interchange of medical knowledge as it relates to the practice of orthopaedic surgery in the military.

TARGET AUDIENCE

The 56th Annual Meeting of the Society of Military Orthopaedic Surgeons has been developed primarily for orthopaedic and trauma surgeons.

CME ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Orthopaedic Surgeons and the Society of Military Orthopaedic Surgeons. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Academy of Orthopaedic Surgeons designates this live activity for a maximum of 45.25 **AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

- *8.75 Monday ABOS Board Review
- *30.5 CME Credits for Scientific Program
- *4 CME Credits for Scientific Poster Sessions
- *2 CME Credits for Multimedia Education Sessions

PURPOSE

The intent of the SOMOS Meeting is to provide an educational forum for the exchange of militarily relevant orthopaedic surgical advances in order to optimize the delivery of orthopaedic specialty care within the Department of Defense.

OBJECTIVES

Orthopaedic surgeons should attend updates reporting on the contemporary practice of orthopaedic surgery on a regular basis. Paramount to the process of continuing medical education is the sharing of new techniques and its outcomes. The SOMOS Annual Meeting provides the opportunity for the military orthopaedic surgery community to share their combined experiences and knowledge, so that individual practitioners can incorporate the most recent advances into their own current surgical practice. By the end of the meeting, individual SOMOS attendees will be able to do the following:

- To identify the current trends and updates pertinent to military orthopaedic surgeons relating to wartime trauma.
- To describe current treatment recommendations for common military orthopaedic conditions involving sports, foot and ankle, hand, spine and pediatric conditions.
- To formulate a plan for the assimilation of current trends and standards into their own surgical practice.
- To identify advances specific to their orthopaedic practice.

DISCLAIMER

The Society of Military Orthopaedic Surgeons is a private not-for-profit organization that is not sponsored by any department or agency of the DoD or local state or federal government. Speakers and exhibitors at the 2014 Society of Military Orthopaedic Surgeons (SOMOS) 56th Annual Meeting represent and are solely responsible for their own presentations. Their presentation and displays do not represent concepts, policy or the official position of any department or agencies of the DoD or local or state government.

Presentations and displays at the 2014 Annual Meeting do not constitute endorsement, concurrence, validation or official position of SOMOS or any other department or agency.

FORMAT

The educational sessions will be held December 16-19, 2014 from approximately 0700 – 1800.

SCIENTIFIC POSTER PRESENTATIONS

Scientific Posters are an important feature of the SOMOS Annual Meeting. Posters will be on display along with their presenters December 16-19 during the Scientific Program. Poster Presenters will also be available to answer questions Please plan to visit the Scientific Posters.

MULTIMEDIA EDUCATION

Multimedia education materials will be offered December 17-18, at the designated times. A comprehensive selection of AAOS DVDs will be available for your individual education.

SOMOS Scientific Program

Monday, December 15

1200-2400 **Speaker Ready Area**

1200-2100 **Meeting Registration**

1200-1700 **Scientific Poster Setup**

ABOS Board Review Course - Session 1

Tumor/Basic Science

Frank J. Frassica, MD, Johns Hopkins Hospital, Baltimore, MD

0700-0800 Introduction – Bone And Soft Tissue Tumors

0800-0845 Adult Patient

0845 -0930 Young Patient

0930-0945 Break

0945-1030 Characteristic Lesions

1030-1115 Surface Lesions

1115-1200 Tibial Lesions

1200-1245 Lunch Break

1245-1330 Sacral And Vertebral Lesions

1330-1415 Hand And Feet Lesions

1415-1500 Synovial Proliferative Lesions

1500-1515 Break

1515-1600 Soft Tissue Lesions

1600-1700 Examination

Tuesday, December 16

0001-2400 **Speaker Ready Area**

0600-1740 **Meeting Registration**

Opening Ceremony

Moderators: MAJ Jonathan F. Dickens, MD
 LCDR Scott M. Tintle, MD
 CDR John-Paul Rue, MD

0700-0730 Opening Ceremony

0730-0740 Break

Symposium 1: Trauma 1

Moderator: COL Romney C. Andersen, MD

0740-0810 METRC—2014 Update
 Michael J. Bosse, MD, Carolinas Medical Center, Orthopaedic Surgery,
 Charlotte, NC

0810-0815 Discussion

0815-0835 Break With Exhibitors

General Session 1: Trauma - Pelvis/Lower Extremity/Polytrauma

Civilian Moderator: Michael J. Bosse, MD

Military Moderator: COL Romney C. Andersen, MD

0835-0840 Risk Factors For Amputation In Combat Tibia Injuries, An Outcome Following
 Combat Tibia Injuries Study (OCTIS)
 LT Benjamin Chi, MD, Walter Reed National Military Medical Center, Bethesda,
 MD

0840-0845 Functional Results Of Transfemoral Versus Through-Knee Amputation In
 Combat Injured Patients
 LT Dustin Schuett, DO, Naval Medical Center San Diego, San Diego, CA

0845-0850 Female Combat Amputees Have Higher Rates Of PTSD Disability
 MAJ Jessica Rivera, MD, San Antonio Military Medical Center, Fort Sam
 Houston, TX

0850-0855 Late Amputation May Not Reduce Complications in Severely Injured Salvaged
 Limbs
 CPT Chad Krueger, MD, San Antonio Military Medical Center, Fort Sam
 Houston, TX

- 0855-0900 Turn-Up Plasty For Salvage Of Transtibial Amputations: A Case Series
CPT Elizabeth Polfer, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 0900-0905 Discussion
- 0905-0910 Cephalo-Medullary Nail Fixation Of Intertrochanteric Fractures: Are Two Proximal Screws Better Than One?
MAJ James Blair, MD, Florida Orthopaedic Institute, Tampa, FL
- 0910-0915 Comparison Of Anterior Versus Posterior Exposure Of The Femoral Head And Acetabulum
LCDR Colin Crickard, MD, Carolinas Medical Center, Charlotte, NC
- 0915-0920 War Related Femoral Neck Fractures: Incidence And Outcomes
CPT John Cody, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 0920-0925 Retrograde Intramedullary Fixation Of Fractures Through Amputations
LT Benjamin Chi, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 0925-0930 Volumetric Muscle Loss Contributes To Permanent Disability Following Extremity Trauma
MAJ Jessica Rivera, MD, San Antonio Military Medical Center, Fort Sam Houston, TX
- 0930-0935 Discussion
- 0935-0955 Break With Exhibitors

Symposium 2: Trauma 2

Moderator: MAJ Daniel Stinner, MD

- 0955-1025 Articular Cartilage Injuries In Trauma: Current And Future Options To Restore Joint Function
James P. Stannard MD, Missouri Orthopaedic Institute, Columbia, MO
- 1025-1030 Discussion
- 1030-1050 Clinical Case Panel
James P. Stannard, MD, Missouri Orthopaedic Institute, Columbia, MO
Michael J. Bosse, MD, Carolinas Medical Center Orthopaedic Surgery, Charlotte, NC
Samir Mehta, MD, University of Pennsylvania, Philadelphia, PA

1050-1055 Discussion

General Session 2: Trauma and Military Medicine

Civilian Moderator: James P. Stannard, MD

Military Moderator: MAJ Jean-Claude D'Allyrand, MD

1055-1100 US Military Experience From 2001 To 2010 With Extremity Fasciotomy In War Surgery
COL (Ret) John Kragh, MD, San Antonio Military Medical Center, Fort Sam Houston, TX

1100-1105 Prediction Of Tibial Nonunions At Three Months After Intramedullary Nailing
MAJ Justin Fowler, MD, R Adams Cowley Shock Trauma Center University of Maryland Medical System, Baltimore, MD

1105-1110 Infection And Non-Union In Tibial Plateau And Shaft Fractures: A Matched Cohort Comparison
MAJ James Blair, MD, Florida Orthopaedic Institute, Tampa, FL

1110-1115 Smokeless Tobacco And Healing In Combat Tibia Fractures, An Outcome Following Combat Tibia Injuries Study (OCTIS)
LT Benjamin Chi, MD, Walter Reed National Military Medical Center, Bethesda, MD

1115-1120 Management Of External Fixation Devices For Staged Surgery
LCDR Colin Crickard, MD, Carolinas Medical Center, Charlotte, NC

1120-1125 Quantitative And Qualitative Assessment Of Exposure Of The Posterolateral Proximal Tibia By Four Approaches
Capt Sarah Pierrie, MD, Carolinas Medical Center, Charlotte, NC

1125-1130 Discussion

1130-1135 Improving Outcomes In Patients With Ankle Fusions Following Trauma
MAJ Daniel Stinner, MD, San Antonio Military Medical Center, Fort Sam Houston, TX

1135-1140 The Orthoplastic Team Approach To Salvage Of Infected Tibial Non-Unions With The Use Of Free Vascularized Fibula Graft And Taylor Spatial Frame
LCDR Scott Tintle, MD, University of Pennsylvania, Philadelphia, PA

1140-1145 Secondary Hindfoot Nailing After Circular Fixation Limb Salvage
MAJ Daniel Stinner, MD, San Antonio Military Medical Center, Fort Sam Houston, TX

1145-1150 Comparison Of Female And Male Casualty Cohorts From Conflicts In Iraq And Afghanistan
CPT Christina Hylden, MD, San Antonio Military Medical Center, Fort Sam Houston, TX

1150-1155 Emergency Tourniquets For Civilians: Can Military Lessons In Extremity Hemorrhage Be Translated?
Gabriella Ode, MD, Carolinas Medical Center, Charlotte, NC

1155-1200 Discussion

1200-1300 SOMOS Luncheon – Industry Presentations

Symposium 3: Trauma 3

Moderators: LtCol Wade Gordon, MD
MAJ Jean-Claude D’Allyrand, MD

1300-1330 Clavicle Fractures
Samir Mehta, MD, University of Pennsylvania, Philadelphia, PA

1330-1335 Discussion

General Session 3: Trauma - Upper Extremity and Soft Tissue

Civilian Moderator: Samir Mehta, MD
Military Moderator: MAJ Daniel Stinner, MD

1335-1340 Observations On Pain Control And Long Length Acellular Allograft Use In The Early Treatment Of Combat Related Injuries Of The Sciatic Nerve
LT Patrick Jones, MD, Walter Reed National Military Medical Center, Bethesda, MD
**Presented by 2LT R. Michael Meyer BS*

1340-1345 Early Complications And Outcomes In Combat Injury Related Invasive Fungal Infections: A Case-Control Analysis
LT Louis Lewandowski, MD, Walter Reed National Military Medical Center, Bethesda, MD

1345-1350 Definitive External Fixation For Diaphyseal Fractures Of The Humerus: A Systematic Review
LCDR George C. Balazs, MD, United States Naval Academy, Annapolis, MD
**Presented by CPT Michael A. Donohue, MD*

1350-1355 Determination Of Radiation Exposure From Intra-Operative Fluoroscopy Views in Orthopaedic Trauma
LCDR Michael Kuhne, MD, Orthopaedic Trauma Institute/UCSF, San Francisco, CA

- 1355-1400 Discussion
- 1400-1405 An Analysis Of Orthopaedic Research Produced During The Conflicts In Iraq And Afghanistan: The Top 20 Most Cited Articles
LCDR George C. Balazs, MD, United States Naval Academy, Annapolis, MD
**Presented by CPT Jared Wolfe, MD*
- 1405-1410 The Military Orthopaedic Trauma Registry: Quality Data Now Available
MAJ Jessica Rivera, MD, San Antonio Military Medical Center, Fort Sam Houston, TX
- 1410-1415 Enhanced Casualty Care From A Global Military Orthopaedic Teleconsultation Program
CPT Matthew D. Laughlin, DO, William Beaumont Army Medical Center, El Paso, TX
- 1415-1420 A Systemic Review Of Residency Application Data : Who Do You Want Taking Care Of You?
LT Nicholas Pulos, MD, Hospital of University of Pennsylvania, Philadelphia, PA
- 1420-1425 Army Orthopaedic Surgery Residency Program Directors' Selection Criteria
CPT Jeffrey Hoffman, MD, William Beaumont Army Medical Center, El Paso, TX
- 1425-1445 Break With Exhibitors

Symposium 4: Hip and Knee Preservation/Reconstruction/Osteoarthritis

Moderator: COL Philip Belmont, Jr., MD

- 1445-1510 Revisiting Arthritis And Osteonecrosis In Warfighters – Can We Solve This Problem?
Thomas P. Vail, MD, University of California San Francisco, San Francisco, CA
- 1510-1515 Discussion

General Session 4: Hip and Knee Preservation/Reconstruction/Osteoarthritis

Civilian Moderator: Thomas P. Vail, MD

Military Moderator: COL Philip Belmont, Jr., MD

- 1515-1520 Incidence, Risk Factors And Timing For Thirty-Day Postoperative Myocardial Infarction And Cardiac Arrest Following Primary Total Knee And Hip Arthroplasty
CPT Nicholas Kusnezov, MD, William Beaumont Army Medical Center, El Paso, TX

- 1520-1525 The Safety And Efficacy Of Simultaneous Bilateral Anterior Approach Total Hip Arthroplasty
CDR(Sel) Joseph Gondusky, MD, Hoag Orthopedic Institute, Irvine, CA
- 1525-1530 Incidence, Risk Factors And Occurrence For Thirty-Day Postoperative Myocardial Infarction And Cardiac Arrest Following Primary Total Knee And Hip Arthroplasty
CPT Gens Goodman, DO, William Beaumont Army Medical Center, El Paso, TX
- 1530-1535 Factors Leading To Acetabular Component Malpositioning In A Cohort Of Military Hip Arthroplasty Patients
CPT Peter Formby, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 1535-1540 Discussion
- 1540-1545 Free Vascularized Fibular Grafts for Femoral Head Osteonecrosis: An Alternative Technique Utilizing a Buttress Plate for Graft Fixation
LCDR Scott Tintle, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 1545-1550 Accuracy Of Ultrasound-Guided Intra-Articular Hip Injections Performed In The Orthopaedic Clinic
MAJ Todd Balog, MD, Madigan Army Medical Center, Tacoma, WA
**Presented by CPT Erik K. Turner, MD*
- 1550-1555 Inadequacy Of Ibuprofen For Prevention Of Heterotopic Ossification After Hip Arthroscopy In A Military Population
Maj Matthew Mai, MD, Eglin Air Force Base, Shalimar, FL
- 1555-1600 Return To Duty After Hip Arthroscopy In An Active Duty Population
CPT Jason Dutton, DO, William Beaumont Army Medical Center, El Paso, TX
- 1600-1605 Open Versus Arthroscopic Treatment Of Femoroacetabular Impingement In A Military Population: A Retrospective Review
CPT Aaron Vandenbos, MD, San Antonio Military Medical Center, Fort Sam Houston, TX
- 1605-1610 Discussion
- 1610-1615 Use Of Intravenous Perioperative Tranexamic Acid In Total Joint Arthroplasty: The Military Experience
CPT Peter Formby, MD, Walter Reed National Military Medical Center, Bethesda, MD

- 1615-1620 Component Malposition Does Not Adversely Affect Obese Total Knee Arthroplasty Patient Outcomes
James Keeney, MD, Washington University School of Medicine, St. Louis, MO
- 1620-1625 Functional Outcomes Of Total Knee Arthroplasty In The Active Duty Military
CPT Kenneth Heida, MD, William Beaumont Army Medical Center, El Paso, TX
- 1625-1630 Young Patients Have Less Severe Arthritis and Lower Total Knee Replacement Outcome Scores than Older Patients
James Keeney, MD, Washington University School of Medicine, St. Louis, MO
- 1630-1635 Is Ketorolac The Next Intra-Articular Knee Injection For Osteoarthritis?
MAJ Jaime Bellamy, DO, San Antonio Military Medical Center, Fort Sam Houston, TX
- 1635-1640 Discussion

ABOS Board Review Course - Session 2

- 1640-1740 **Trauma**
MAJ Daniel Stinner, MD, San Antonio Military Medical Center, Fort Sam Houston, TX
Samir Mehta, MD, University of Pennsylvania, Philadelphia, PA
- 1740-1840 **Scientific Poster Session** (Presenters will be available to answer questions.)

Wednesday, December 17

- 0001-2400 **Speaker Ready Area**
- 0600-0700 **Scientific Poster Session** (Presenters will be available to answer questions.)
- 0615-1700 **Meeting Registration**

Symposium 5: Sports/General or Shoulder I/The Warren Kadramas Memorial Session

Moderators: LTC Brett D. Owens, MD
 CDR Mike McCabe, MD

- 0700-0730 Two Key Procedures for the Sports Medicine Surgeon: Anterior Cruciate Ligament Reconstruction and Open Bankart Repair
Robert A. Arciero, MD, University of Connecticut Health Center, Farmington, CT
- 0730-0735 Discussion

0735-0750 Clinical Case Panel: Shoulder Instability in the 20 year-old “Contact” Warrior-Athlete
Robert A. Arciero, MD, University of Connecticut Health Center, Farmington, CT
Stephen S. Burkhart, MD, The Orthopaedic Institute, San Antonio, TX
CDR (Ret) Matthew T. Provencher, MD, Massachusetts General Hospital, Boston, MA
COL (Ret) Dean C. Taylor, MD Duke University Medical Center, Durham, NC

0750 -0755 Discussion

0755-0815 Break with Exhibits

General Session 5: Sports/General or Shoulder I

Civilian Moderator: Robert A. Arciero, MD

Military Moderator: CDR Mike McCabe, MD

0815-0820 Return To Intercollegiate Football Following Arthroscopic Anterior Shoulder Stabilization
MAJ Jonathan F. Dickens, MD, Keller Army Community Hospital, West Point, NY

0820-0825 Return To Play In Intercollegiate Collision Sports Following Latarjet Procedure
Maj Jeffrey Belisle, MD, MBA, The United States Air Force Academy, Colorado Springs, CO

0825-0830 The Presence Of An Anterior Labroligamentous Periosteal Sleeve Avulsion Lesion Not Predictive Of Failure Compared To Arthroscopic Bankart Repairs
CPT James Shaha, MD, Tripler Army Medical Center, Honolulu, HI

0830-0835 Comparison Of Axial Width And Version Measurements Of Standard 2-Dimensional And Anatomically Aligned Computerized Tomography Scans
MAJ Stephen Parada, MD, Massachusetts General Hospital, Boston, MA

0835-0840 Comparison Of Glenoid Version And Posterior Humeral Subluxation In Patients With And Without Posterior Shoulder Instability
MAJ Stephen Parada, MD, Massachusetts General Hospital, Boston, MA

0840-0845 Clinical Validation Of The “On-Track” Vs. “Off-Track” Concept In Anterior Glenohumeral Instability
CPT Jay Cook, MD, Tripler Army Medical Center, Honolulu, HI

0845-0850 Glenoid Bone Loss In Posterior Shoulder Instability: Outcomes After Arthroscopic Stabilization
CPT Adam Hines, MD, Tripler Army Medical Center, Honolulu, HI

0850-0855 Discussion

- 0855-0900 Pectoralis Major Rupture In Young Collegiate Athletes
2LT Andrew Chan, MPH, Keller Army Hospital, United States Military Academy, West Point, NY
- 0900-0905 Acute Pectoralis Major Tears In Forward Deployed Active Duty U.S. Military Personnel: A Population At Risk?
Maj Dane Salazar, MD, Undisclosed Military Treatment Facility in Southwest Asia
- 0905-0910 Acromioclavicular Ligament Reconstruction: Allograft Leads To Early Failure
MAJ Kelly Fitzpatrick, DO, Dallas, TX
- 0910-0915 Morphology Of The Acromioclavicular Joint And Association With Acromioclavicular Joint Injuries
CPT Christopher Chen, MD, Madigan Army Medical Center, Tacoma, WA
- 0915-0920 Medialized Clavicular Tunnel Position Predicts Failure After Anatomic Coracoclavicular Reconstruction
CPT Emmanuel Eisenstein, MD, William Beaumont Army Medical Center, El Paso, TX
- 0920-0925 Initial Operative Versus Conservative Management In The Treatment Of Type V Acromioclavicular Dislocations
MAJ Kevin P. Krul, MD, Tripler Army Medical Center, Honolulu, HI
- 0925-0930 Discussion
- 0930-0950 Break With Exhibits

Symposium 6: Shoulder II RTC or Biceps

Moderators: CDR Mike Kuhn, MD
 MAJ Jeffrey Giuliani, MD

- 0950-1020 Arthroscopic Management of Subscapularis Tears and Biceps Pathology
Stephen S. Burkhart, MD, The Orthopaedic Institute, San Antonio, TX
- 1020-1025 Discussion
- 1025-1040 Clinical Case Panel: SLAP Lesions In The Grenade Throwing Soldier
Robert A. Arciero, MD, University of Connecticut Health Center, Farmington, CT
Stephen S. Burkhart, MD, The Orthopaedic Institute, San Antonio, TX
CDR (Ret) Matthew T. Provencher, MD, Massachusetts General Hospital, Boston, MA
John Wilckens, MD, Johns Hopkins University, Baltimore, MD

1040-1045 Discussion

General Session 6: Shoulder II

Civilian Moderator: Stephen S. Burkhart, MD

Military Moderator: MAJ Jeffrey Giuliani, MD

1045-1050 Biceps Tenotomy Versus Tenodesis Of The Long Head Of The Biceps Brachii In Young, Active Duty Patients
CPT Jeremy McCallum, MD, Tripler Army Medical Center, Honolulu, HI

1050-1055 Clinical Outcomes Of SLAP Repair In The U.S. Military: Predictors For Failure Among 192 Patients
CPT William Arroyo, MD, William Beaumont Army Medical Center, El Paso, TX

1055-1100 The Role Of The Biceps Brachii In Overhead Throwing: A Biomechanical Study
Bryan Hanypsiak, MD, Naples, FL

1100-1105 Clinical Comparison Of Intramedullary Cortical Button Fixation And Suture Anchor Fixation For Subpectoral Biceps Tenodesis
MAJ Kelly Kilcoyne, MD, The Johns Hopkins University, Baltimore, MD

1105-1110 Arthroscopic Transosseous Rotator Cuff Repair Is Cost Effective Compared To Anchored Technique
Major Kelly Kilcoyne, MD, The Johns Hopkins University, Baltimore, MD

1110-1115 Does The Application Of Compression Stockings Decrease The Risk Of Cerebral Desaturation Events In Obese Patients Undergoing Shoulder Arthroscopy In The Beach Chair Position?
Maj Dane Salazar, MD, Loyola University, Chicago, IL

1115-1120 Predictors Of Length Of Stay After Elective Total Shoulder Arthroplasty In The United States
CPT John Dunn, MD, William Beaumont Army Medical Center, El Paso, TX

1120-1125 Thirty-Day Morbidity And Mortality After Elective Total Shoulder Arthroplasty: Patient-Based And Surgical Risk Factors
CPT John Dunn, MD, William Beaumont Army Medical Center, El Paso, TX

1125-1130 Discussion

1130-1135 The Subjective Shoulder Value Correlates Well With The American Shoulder And Elbow Surgeons Score
MAJ Kelly Kilcoyne, MD, The Johns Hopkins University, Baltimore, MD

1135-1140 Knot Strength Varies Widely Among Expert Arthroscopists
Bryan Hanypsiak, MD, Naples, FL

- 1140-1145 Performance Variations In Knotted Suture Anchors Versus Knotless Suture Anchors
Jeffrey DeLong, BS, Medical University of South Carolina, Charleston, SC
- 1145-1150 The West Point Knot: A Comparison to Conventional Arthroscopic Knots
MAJ Jonathan F. Dickens, MD, Keller Army Community Hospital, West Point, NY
- 1150-1155 High-Tensile Strength Tape Versus High-Tensile Strength Suture: A Biomechanical Tissue Repair Study
LT Ryan Gnandt, MD, Naval Medical Center San Diego, San Diego, CA
- 1155-1200 Arthroscopic Shoulder Simulator Training during Graduate Medical Education: Are Relative Performance Improvements Maintained at 1-Year Follow-Up
CPT John Dunn, MD, William Beaumont Army Medical Center, El Paso, TX
- 1200-1205 Discussion
- 1205-1305 **SOMOS Luncheon – Industry Presentations**

Symposium 7: Sports/Lower Extremity

Moderators: COL Steven J. Svoboda, MD
CDR Chris Dewing, MD

- 1305-1335 Current Concepts in the PCL Knee Injury
Christopher Harner, MD, UPMC Center for Sports Medicine, Pittsburgh, PA
- 1335-1340 Discussion
- 1340-1355 Clinical Case Panel: The Multiligamentous Knee Injury
Christopher Harner, MD, UPMC Center for Sports Medicine, Pittsburgh, PA
COL (Ret) Craig Bottoni, MD, Tripler Army Medical Center, Honolulu, HI
James P. Stannard, MD, Missouri Orthopaedic Institute, Columbia, MO
COL Steven J. Svoboda, MD, Keller Army Community Hospital/United States Military Academy, West Point, NY
John Wilckens, MD, Johns Hopkins University, Baltimore, MD.
- 1355-1400 Discussion

General Session 7: Sports Lower Extremity

Civilian Moderator: Christopher Harner, MD
Military Moderator: COL Steven J. Svoboda, MD

- 1400-1405 Anterior Cruciate Ligament Deficiency Does Not Affect Stress Radiograph Validity In Posterolateral Corner Injuries

LCDR Lucas McDonald, MD, Naval Medical Center San Diego, San Diego, CA

- 1405-1410 Prospective Evaluation Of Acute ACL Reconstructions Using Patellar Tendon Autograft
CPT Jay Cook, MD, Tripler Army Medical Center, Honolulu, HI
- 1410-1415 Functional Movement Deficits In Secondary Anterior Cruciate Ligament Tears
LCDR Jonathan Roth, MD, Duke University, Durham, NC
- 1415-1420 Analysis Of ACL Reconstruction Outcomes In A Military Population At A Single Center
LCDR Paul Metzger, MD, USNH, Okinawa, Japan
- 1420-1425 ACL Graft Selection From The Patient's Perspective
CPT Anthony Barcia, MD, Tripler Army Medical Center, Honolulu, H
- 1425-1430 Risk Of Anterior Cruciate Ligament Injury On Synthetic Playing Surfaces In Athletes: A Systematic Review
LCDR George C. Balazs, MD, United States Naval Academy, Annapolis, MD
**Presented by CPT Alaina Brelin, MD*
- 1430-1440 Discussion
- 1440-1445 Surgical Techniques For The Reconstruction Of Medial Collateral Ligament And Posteromedial Corner Injuries Of The Knee: A Systematic Review
Jeffrey DeLong, BS, Medical University of South Carolina, Charleston, SC
- 1445-1450 Surgical Repair Of Medial Collateral Ligament And Posteromedial Corner Injuries Of The Knee: A Systematic Review
Jeffrey DeLong, BS, Medical University of South Carolina, Charleston, SC
- 1450-1455 Return to Duty Rates after Multiligamentous Knee Injury
Capt Aaron Barrow, MD, San Antonio Military Medical Center, San Antonio, TX
- 1455-1500 Adjunctive Tibial Tubercle Osteotomy For Patellofemoral Chondral Defects
CPT Tuesday Fisher, MD, William Beaumont Army Medical Center, El Paso, TX
- 1500-1505 Epidemiology Of Chondromalacia Of The Patella In An Active Military Population
CPT Nathaniel Watts, DO, William Beaumont Army Medical Center, El Paso, TX
- 1505-1510 Particulated Juvenile Articular Cartilage Allograft For Treatment Of Chondral Defects Of The Knee: Short-Term Survivorship With Functional Outcomes
MAJ Brian Waterman, MD, Darnall Army Medical Center, Killeen, TX
- 1510-1515 Discussion

- 1515-1520 Survivorship Of Meniscal Allograft Transplantation In A High-Demand Patient Population
CPT Nicholas Rensing, MD, William Beaumont Army Medical Center, El Paso, TX
- 1205-1525 Epidemiology Of Isolated Meniscus Tears In Young Athletes
MAJ Brendan Masini, MD, Keller Army Hospital, West Point, NY
- 1525-1530 Meniscal Repair In The Active Duty Population At A Military Medical Center
CPT Joseph Galvin, DO, Madigan Army Medical Center, Fort Lewis, WA
- 1530-1550 Discussion
- 1535-1540 Return To Play Following Concussion At A Military Service Academy
LtCol Darren Campbell, MD, The United States Air Force Academy, Colorado Springs, CO
- 1540-1545 Geographic Variation In Injury Incidence Rate Reporting
LCDR George C. Balazs, MD, United States Naval Academy, Annapolis, MD
- 1545-1550 Contemporary Epidemiology Of Lower Extremity Stress Fractures In The United States Military
CPT Baris Gun, DO, William Beaumont Army Medical Center, El Paso, TX
- 1550-1555 Epidemiology Of Injuries In Major League Baseball Catchers
MAJ Kelly Kilcoyne, MD, The Johns Hopkins University, Baltimore, MD
- 1555-1600 Discussion
- 1600-1610 Break

ABOS Board Review Course - Session 3

- 1610-1700 **Sports**
MAJ Jeanne Patzkowski, MD Keller Army Community Hospital, West Point, NY
EStephan Garcia, MD Keller Army Community Hospital, West Point, NY
- 1700-1800 **Multimedia Education Session**

Thursday, December 18

- 0001-2400 **Speaker Ready Area**
- 0600-0700 **Scientific Poster Session** (Presenters will be available to answer questions.)

0615-1615 **Meeting Registration**

0630-0715 **Service Breakouts**

Air Force

Army

Navy

0715-0730 Refreshment Break

Concurrent Instructional Course Lecture 1A: From Downrange To Databases: How To Conduct And Collaborate For Successful Military/Civilian Research

Moderator: LTC Benjamin K. Potter, MD

0730-0745 Funding For Research In The Military

Brig Gen Michael J. Yaszemski, MD, Mayo Clinic, Rochester, MN

0745-0800 The ORS: Avenues For Funding, And What You Need To Know To Be A
Successfully Clinician Scholar

Regis J. O'Keefe, MD, University of Rochester, Rochester, NY

0800-0815 How To Build A Successful Research Collaboration

*Michael J. Bosse, MD, Carolina Medical Center, Orthopaedic Surgery,
Charlotte, NC*

0815-0830 Panel Discussion

0830-0845 Refreshment Break

Concurrent Instructional Course Lecture 1B: Leadership and Education in Orthopaedics

Moderators: CDR John-Paul Rue, MD

0730-0745 Academic and Educational Development: The RUSH Experience

Bernard R. Bach, Jr., MD, Rush University Medical Center, Chicago, IL

0745-0800 Leadership and Educational Insights in Orthopaedics and Applications in the
Military

COL (Ret) Dean C. Taylor, MD, Duke University Medical Center, Durham, NC

0800-0815 Lessons Learned in Military and Civilian Practice

COL (Ret) James Ficke, MD, Johns Hopkins University, Baltimore, MD

0815-0830 Panel Discussion

0830-0845 Refreshment Break

Concurrent Session 8A (Main Room): Basic Science/Tumor

Civilian Moderator: Regis J. O'Keefe, MD

Military Moderator: LTC Benjamin K. Potter, MD

- 0845-0910 Osteosarcoma
Regis J. O'Keefe, MD, University of Rochester, Rochester, NY
- 0910-0915 Discussion
- 0915-0920 Evaluation Of The Skin-Implant Interface And Possible Osseointegration Implant Surface Solutions In A Porcine Model
CPT Donald Hope, MD, Naval Medical Research Center, Silver Spring, MD
- 0920-0925 Adhesion Of Mesenchymal Progenitor Cells To A Traumatized Muscle Biomimetic Environment Is Mediated By $\alpha 2\beta 1$ Integrin
LT Patrick Jones, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 0925-0930 The Effect Of Slip Severity On Construct Stiffness In A Spondylolisthesis Model
MAJ Jason M. Cage, DO, Tripler Army Medical Center, Honolulu, HI
- 0930-0935 Interstitial Hardening Applied To Orthopaedic Devices: A Biomechanical Study
LT Benjamin Chi, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 0935-0940 Electrospun Collagen Nanofiber Increases The Isolation And Proliferation Of Mesenchymal Progenitor Cells Following Orthopaedic Trauma
LT Patrick Jones, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 0940-0945 Discussion
- 0945-0950 Variance Of Matrix Metalloproteinases (MMP) And Tissue Inhibitor Of Metalloproteinases (TIMP) Concentrations In Activated, Concentrated Platelets From Healthy Male Donors
CPT Justin M. Hire, MD, Dwight D. Eisenhower Army Medical Center, Fort Gordon, GA
- 0950-0955 TGF- $\beta 2$ Gene Expression At The Time Of Injury May Be Predictive Of The Severity Of Heterotopic Ossification Development
LT Patrick Jones, MD, Walter Reed National Military Medical Center, Bethesda, MD
**Presented by CPT Ronald Goodlett, MD*
- 0955-1000 The Validity Of A Rat Model For Analyzing Mirna In Chondrosarcoma
Col (Ret) Theodore Parsons III, MD, Henry Ford Hospital, Detroit, MI

- 1000-1005 Biomechanical Strength Of Current Medial Patellofemoral Ligament Reconstruction Techniques
LCDR Patrick Joyner, MD, MS, Andrews Institute, Gulf Breeze, FL
- 1005-1010 Femoral Head Anteversion Relative To The Linea Aspera: Axial CT For Orientation Of Endoprosthetic Reconstruction
Capt Brad Hyatt, MD, San Antonio Military Medical Center, Ft. Sam Houston, TX
- 1010-1015 Discussion

Concurrent Scientific Session 8B (Main Room): Pediatrics

Civilian Moderator: Anthony Riccio, MD

Military Moderator: Lcdr Terrance Anderson, MD

- 1015-1040 The Dedicated Pediatric Orthopaedic Traumatologist: The Next Step in Providing the Best Care for Injured Children?
Anthony Riccio, MD, Texas Scottish Rite Hospital, Dallas, TX
**Presented by Ryan Rose, MD*
- 1040-1045 Discussion
- 1045-1050 Functional Outcomes Following Operative Treatment Of Tibial Tubercle Fractures
Anthony Riccio, MD, Childrens Medical Center, Dallas, TX
**Presented by Robert L. Wimberly, MD*
- 1050-1055 All Lateral Versus Medial And Lateral Retrograde Flexible Intramedullary Nails For The Treatment Of Pediatric Femoral Shaft Fractures
MAJ Jason M. Cage, DO, Tripler Army Medical Center, Honolulu, HI
- 1055-1100 Bone Behavior With Limb Length Discrepancy Treated With Guided Growth Plates
COL(Ret) Kathleen McHale, MD, Inova Health Systems/Walter Reed National Military Medical Center, Bethesda, MD
- 1100-1105 Treatment Of Blount's Disease In Obese Adolescents
CAPT William Hennrikus, MD, Penn State College of Medicine, Hershey, PA
- 1105-1110 Acquired Upper Extremity Growth Arrest
CPT Erich Gauger, MD, University of Minnesota, Minneapolis, MN
- 1110-1115 Outcomes Of Unstable Pelvic Fractures Managed With Percutaneous Iliosacral Screws In A Pediatric Population
CPT Shaunette Davey, DO, William Beaumont Army Medical Center, El Paso, TX

1115-1120 Pediatric Musculoskeletal Injuries Associated With Recreational Motorized Vehicle Use: Do More Wheels Mean A Safer Ride
Anthony Riccio, MD, Texas Scottish Rite Hospital for Children, Dallas, TX
**Presented by Ryan Rose, MD*

1120-1125 Discussion

1125-1130 Break

Concurrent Session 8C (Concurrent Room): Hand and Education

Civilian Moderator: Alexander Y. Shin, MD

Military Moderator: MAJ Mathew Drake, MD

0845-0915 Hand Presentation
Alexander Y. Shin, MD, Mayo Clinic, Rochester, MN

0910-0915 Discussion

0915-0920 Epidemiology Of Ligamentous Wrist Injuries At The United States Military Academy
LT Patrick Jones, MD, Walter Reed National Military Medical Center, Bethesda, MD
**Presented by CPT Ronald Goodlett, MD*

0920-0925 Incidence Of Metacarpal Fractures In A Military Population
Captain Robert Dichiera, MPAS, William Beaumont Army Medical Center, El Paso,

0925-0930 MRI-Based Classification System For Ulnar Collateral Ligament Injuries
LCDR Patrick Joyner, MD, MS, Andrews Institute, Gulf Breeze, FL

0930-0935 Treatment and Outcomes of Isolated Metacarpal Shaft Fractures in an Active Duty Military Population
CPT Emily Morgan, MD, Madigan Army Medical Center, Fort Lewis, WA

0935-0940 Digital Tomography For Detection Of Acute Occult Scaphoid Fractures
CPT Anthony Barcia, MD, Tripler Army Medical Center, Honolulu, H

0940-0945 Flexor Tendon Repair In An Ex-Vivo Model: An Established Knotless Bidirectional Barbed Suture Technique Does Not Withstand Cyclic Loading Necessary For Early Rehabilitation
MAJ Fred O'Brien, MD, Curtis National Hand Center, Baltimore, MD

0945-0950 Distal Humeral Hemiarthroplasty: Indications, Results, And Complications. A Systematic Review

CPT John Dunn, MD, William Beaumont Army Medical Center, El Paso, TX

- 0950-0955 Discussion
- 0955-1025 Hand Transplant Outcomes and future of VCA
Warren C. Breidenbach III, MD, MSc, The University of Arizona Medical Center, Tucson, AZ
L. Scott Levin, MD, FACS, The University of Pennsylvania, Philadelphia, PA.
- 1025-1030 Discussion
- 1030-1035 Positional Tension Of The Ulnar Nerve After Decompression Procedures
CPT John Dunn, MD, William Beaumont Army Medical Center, El Paso, TX
- 1035-1040 A Vascularized Elbow Allotransplantation Model In The Rat
LCDR Scott Tintle, MD, University of Pennsylvania, Philadelphia, PA
- 1040-1045 The Effect Of Below-Elbow Immobilization On Driving Performance s
Capt Aaron Barrow, MD, San Antonio Military Medical Center, San Antonio, TX
- 1045-1050 Dorsal Screw Penetration With The Use Of Volar Plating Of Distal Radius Fractures: How Can You Best Detect?
CAPT Irshad Shakir, MD, Saint Louis University Hospital, Saint Louis, MO
- 1050-1055 Biomechanical Study Of Olecranon Plate Fixation In Comminuted Osteoporotic Fracture Model: Locking Compression Plates Vs. Dynamic Compression Plates
CAPT Irshad Shakir, MD, Saint Louis University Hospital, Saint Louis, MO
- 1055-1100 Discussion
- 1100-1105 Can an Arthroscopic Training Course Really improve your Residents Arthroscopic Basic Skills? Yes, based on pre and post Simulation Testing
MAJ Kevin D. Martin DO, University of Iowa, Iowa City, IA
- 1105-1110 The Effectiveness Of Tiered Research Teams Within An Orthopaedic Surgery Residency
CPT Chad Krueger, MD, San Antonio Military Medical Center, Fort Sam Houston, TX
- 1110-1115 Are Cell Phones A Potential Source Of Bacterial Contamination In The Operating Room?
CAPT Irshad Shakir, MD, Saint Louis University Hospital, Saint Louis, MO
- 1115-1120 Validity Of Computed Tomography In Predicting Scaphoid Screw Prominence: A Cadaveric Study

LT Clare Griffis, MD, Walter Reed National Military Medical Center, Bethesda, MD

1120-1125 Discussion

1125-1130 Break

ABOS Board Review Course - Session 4

1130-1230 **Pediatric**
MAJ Mathew Schmidt, MD, San Antonio Military Medical Center, Fort Sam Houston, TX

1230-1330 Lunch Break

1230-1330 **Multimedia Education Session**

General Session 9: Presidential Guest Speaker

Moderator: CDR John-Paul Rue, MD

1330-1415 Military Orthopaedics: Perspectives On The Past And The Way Forward
Speaker TBA

General Session 10: SOMOS Business Meeting, Presidential Reports Business Meeting, President's Report & Awards

Moderator: CDR John-Paul Rue, MD

1415-1430 SOMOS Business Meeting
(All Active SOMOS Members Invited To Attend)

1430-1440 Report of SOMOS Research Collaborative
LTC Benjamin K. Potter, MD, Walter Reed National Military Medical Center, Bethesda, MD

1440-1445 Presentation of the Founders Award
CDR John-Paul, Rue, MD, United States Naval Academy, Annapolis, MD

1445-1450 Presentation of the Kirk Award
CDR John-Paul, Rue, MD, United States Naval Academy, Annapolis, MD

1450-1455 Clinical Scholar Development Program
CDR Michael T. Mazurek, MD Clinician Scholar Award

1455-1515 SOMOS: Where We Have Been and Where We Will Go
Col. (Ret) Theodore W. Parsons III, MD, FACS, Henry Ford Medical Group, Detroit, MI

- 1515-1535 Report of the SOMOS President
CDR John-Paul, Rue, MD, United States Naval Academy, Annapolis, MD
- 1535-1555 Report of the AAOS President
 Update from the AAOS: SOMOS Role and in the Military and Civilian Practice
Frederick M. Azar, MD, President, American Academy of Orthopaedic Surgeons, Campbell Clinic, Memphis, TN
- 1555-1610 COL Brian Allgood Memorial Leadership Award Presentation
 Previous Awardees:
CAPT Dana Covey, MD, Naval Medical Center, San Diego, CA
COL (Ret) James Ficke, MD, Johns Hopkins University, Baltimore, MD.
Col. (Ret) Theodore W. Parsons III, MD, FACS, Henry Ford Medical Group, Detroit, MI
- 1610-1615 Presentation of the Award
CDR John-Paul, Rue, MD, United States Naval Academy, Annapolis, MD

Friday, December 19

- 0001-1330 **Speaker Ready Area**
- 0630-0730 **Scientific Poster Session** (Presenters will be available to answer questions.)
- 0615-1430 **Meeting Registration**

Concurrent Instructional Course Lecture 2A: How To Make The Most Of Your Time In Uniform And Out Of Uniform

Moderator: LTC Brett D. Owens, MD

- 0730-0830 *LTC(P) Philip Belmont, Jr., MD, William Beaumont Army Medical Center, El Paso, TX*
COL (Ret) James Ficke, MD, Johns Hopkins University, Baltimore, MD
Col. (Ret) Theodore W. Parsons III, MD, FACS, Henry Ford Medical Group, Detroit, MI
CDR (Ret) Matthew T. Provencher, MD, Massachusetts General Hospital, Boston, MA

0830-0845 Discussion

0845-0900 Refreshment Break

Concurrent Instructional Course Lecture 2B: Team Physician Update

Moderators: CDR John-Paul Rue, MD

COL Steven J. Svoboda, MD

- 0730-0745 What Is A Sports Medicine Doctor, Secrets To Success
Bernard R. Bach, Jr., MD, Rush University Medical Center, Chicago, IL
- 0745-0800 Game Time And Game Day Decisions: What I Really Do
John Wilckens, MD, Johns Hopkins University, Baltimore, MD
- 0800-0815 Legal Or Illegal- Supplements In Sports And The Military
Ed McDevitt, MD, Bay Area Orthopaedics, Annapolis, MD
- 0815-0830 Whats New In Concussions
Lt Col C. Dain Allred, MD, United States Air Force Academy, Colorado Springs, CO
- 0830-0845 Discussion
- 0845-0900 Refreshment Break

General Session 11: Foot and Ankle

Civilian Moderator: Bruce Cohen, MD

Military Moderator: COL Scott Shawen, MD

- 0900-0920 Ankle Instability
Bruce Cohen, MD, Carolinas Medical Center, Charlotte, NC
- 0920-0925 Discussion
- 0925-0930 Chronic Latent Syndesmotic Instability: A Surgical Algorithm, Patient Outcomes, and Return to Activity
LTC Paul Ryan, MD, Tripler Army Medical Center, Honolulu, HI
- 0930-0935 The Effectiveness Of Different Syndesmotic Reduction Techniques
LCDR Colin Crickard, MD, Carolinas Medical Center, Charlotte, NC
- 0935-0940 Comparative Study Of Assisted Ambulation And Perceived Exertion With The Wheeled Knee Walker And Axillary Crutches
MAJ Benjamin Kocher, DSc. PA-C, San Antonio Military Medical Center, Fort Sam Houston, TX
- 0940-0945 Return To Duty And Short Term Outcomes Following Internal Fixation Of Ankle Fractures In Active Duty US Military Personnel
CPT Nicholas Kusnezov, MD, William Beaumont Army Medical Center, El Paso, TX

- 0945-0950 Ankle Arthroscopy Simulation Improves Basic Skills, Anatomic Recognition and Proficiency during Diagnostic examination of Residents in Training
MAJ Kevin D. Martin DO, University of Iowa, Iowa City, IA
- 0950-0955 Mini-Fragment Internal Fixation Of Distal Fibular Fractures Results In Lower Rates Of Hardware Removal Without Compromising Healing
Lauren Ehrlichman, MD, William Beaumont Army Medical Center, El Paso, TX
- 0955-1000 Patient-Based And Surgical Risk Factors For Thirty-Day Post-Operative Complications And Mortality Following Ankle Fracture Fixation
CPT Shaunette Davey, DO, William Beaumont Army Medical Center, El Paso, TX
- 1000-1005 Discussion
- 1005-1020 Challenging Case Discussions: Panel
COL Scott Shawen, MD, Walter Reed National Military Medical Center, Bethesda, MD
Toby Eckel, MD, Walter Reed National Military Medical Center, Bethesda, MD
Bruce Cohen, MD, Carolinas Medical Center, Charlotte, NC
COL (Ret) James Ficke, MD, Johns Hopkins University, Baltimore, MD
MAJ Justin Orr MD, William Beaumont Army Medical Center, El Paso, TX
- 1020-1025 Medial Malleolar Screw Hemiepiphysiodesis For Ankle Valgus Revisited
CPT David J. Wilson MD, Madigan Army Medical Center, Tacoma, WA
- 1025-1030 Microfracture Repair Of Osteochondral Lesions Of The Talus In The Active Duty Population At A Military Medical Center
Captain Andrew Jackson, MD, Madigan Army Medical Center, Tacoma, WA
- 1030-1035 Tubercle Views Of The Ankle
LCDR Colin Crickard, MD, Carolinas Medical Center, Charlotte, NC
- 1035-1040 Publication Rates Of Abstracts Presented At The American Orthopaedic Foot And Ankle Society Annual Meeting
Capt Ian Tuznik, MD, San Antonio Military Medical Center, Fort Sam Houston, TX
- 1040-1045 Discussion

General Session 12: Spine

Civilian Moderator: Douglas Orr, MD

Military Moderator: MAJ Melvin Helgeson, MD

- 1045-1110 Spondylolisthesis
Douglas Orr, MD, Cleveland Clinic, Cleveland, OH

- 1110-1115 Discussion
- 1115-1120 Revision Surgery Rates after Primary Fusion for Adolescent Idiopathic Scoliosis
CPT Joseph Dannenbaum, MD, Shriners' Childrens Hospital, Spokane, WA
- 1120-1125 Validation Of The Lumbosacral Injury Classification System (LSICS)
LT Scott Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 1125-1130 Association Between Hyper Flexibility And Spinal Deformities In A Population Of 1,217,724 Adolescents
Maj. Oded Hershkovich, MD, MHA, IDF/Sheba Medical Center, Israel
- 1130-1135 Characterization Of Spinal Cord Injuries Sustained During Operation Iraqi Freedom And Operation Enduring Freedom
CPT Joseph Petfield, MD, San Antonio Military Medical Center, Fort Sam Houston, TX
- 1135-1140 The Impact Of Dynamic Alignment, Motion And Center Of Rotation On Myelopathy Grade And Regional Disability In Cervical Spondylotic Myelopathy
Ensign Shian Liu, BS, New York University Hospital for Joint Diseases, New York, NY
- 1140-1145 Can Orthopaedic Surgeons Be Trained To Accurately Gauge Tapping Insertional Torque?
LT Scott Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 1145-1150 Discussion
- 1150-1155 Operative Treatment of New Onset Radiculopathy and Myelopathy Secondary to Combat Injury
CPT Gregory Van Blarcum, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 1155-1200 Sacral Screw Strain In A Long Posterior Spinal Fusion Construct With Sacral Alar-Iliac (S2AI) Versus Iliac Fixation
LT Scott Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 1200-1205 Chain Of Compensation Related To Spino-Pelvic Mismatch: A Complete Standing Axis Investigation Including The Lower Extremities
Ensign Shian Liu, BS, New York University Hospital for Joint Diseases, New York, NY

- 1205-1210 Persistent Axial Neck Pain After Cervical Disc Arthroplasty: A Radiographic Analysis
LT Scott Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 1210-1215 Characterization And Outcomes Of Combat-Related Spinal Cord Injuries Requiring Operative Treatment
CPT Gregory Van Blarcum, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 1215-1220 Outcomes Following Complex Combat-Related Lumbosacral Dissociation Injuries
LT Scott Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD
- 1220-1225 Discussion
- 1225-1230 Break

ABOS Board Review Course - Session 5

- 1230-1330 **Spine**
CDR David Gwinn, MD, Walter Reed National Military Medical Center, Bethesda, MD

ABOS Board Review Course - Session 6

- 1330-1430 **Foot & Ankle**
MAJ Toby Eckel, MD, Walter Reed National Military Medical Center, Bethesda, MD

2014 Poster Presentations

LCDR George C. Balazs, MD

Immediate Immobilization In Flexion Speeds Recovery After Acute Lateral Patellar Dislocation

2LT Leonid Belyayev, BS

Traumatic Ulnar Artery Pseudoaneurysm Following A Grenade Blast: Report Of A Case

CPT Alaina Brelin, MD

Atraumatic Acute Compartment Syndrome In A Soldier: Case Report And Review Of The Literature

2LT Andrew Chan, MPH

Peroneus Longus Ruptures Resulting In Acute Compartment Syndrome In Athletes: A Case Series

LT Benjamin Chi, MD

Interstitial Hardening Applied To Orthopaedic Devices: A Biomechanical Study

CPT Andrew Cleveland, MD

The Occupational Impact Of Single-Level Cervical Disease Treated With Cervical Disc Arthroplasty In An Active Duty Military Population

CPT Sally Corey, DO

Chronic Clavicular Malunion Treated With Corrective Osteotomy

MAJ David Crawford, MD

A Novel Technique Of Hip Distraction For Arthroscopic Surgery

LCDR Colin Crickard, MD

Relative Contribution Of Progressively Extending Posterior Approaches To The Acetabulum

Captain Michael Donohue, MD

Extensor Carpi Radialis Brevis Avulsion Fracture: An Innovative Way To Treat An Uncommon Injury

LCDR Joanne Elston, MD

Ablative Fractional Photothermolysis For Treatment Of Upper Extremity Contractures

Joseph Galvin, DO

**Presented by Chase Dukes, MD*

Arthrofibrosis After Hip Arthroscopy: A Case Report

CPT Justin M. Hire, MD

A Modified Bohlman Technique Using A Novel Implant For Treatment Of High Grade Spondylolisthesis

CPT Donald Hope, MD

Evaluation Of Early Heterotopic Ossification And The Effect Of Bioburden In An Established Rat Model

LT Patrick Jones, MD

Heterotopic Ossification Of A Peripheral Nerve Following Blast Injury: A Report Of Two Cases

CPT Chad Krueger, MD

The Departmental Value Of A Research Resident

The Effectiveness Of Pyramid Based Research Teams With An Orthopaedic Surgery Residency

0-3 Dann Laudermilch, MD

Perioperative Intravenous Decadron Decreases The Incidence Of C5 Nerve Palsy Following Posterior Cervical Spine Surgery

Failure Of Vancomycin Powder Regimen For Prevention Of Surgical Site Infection In Complex Spine Surgeries

Lieutenant Brian J. Mannino, MD

Bilateral Multipartite Patellae Avulsions Associated With A Unilateral Quadriceps Tendon Rupture: A Case Report

CPT Dionisio Ortiz, MD

Patient Perceptions Of Surgeon-Industry Relations In A Military Setting

LT Ryan Ponton, MD

Concomitant Biceps Brachii Pyomyositis And Septic Arthritis Of The Shoulder: A Case Report And A Review Of The Literature On Pyomyositis

Major Dane Salazar, MD

Bony Encasement Of The Ulnar Nerve Secondary To Heterotopic Ossification Of The Elbow

Analysis Of Scapular Mechanics After Muscle Fatigue With And Without Scapular-Stabilizing Shirt

CPT Kenneth Shaw, DO

**Presented by CPT Shawn E. Boomsma, DO*

Hemodialysis-Associated Osteomyelitis Of The Cervical Spine

Jennifer Smith, MD

Orthopaedic Osteoporosis Process Improvement Project

LT Gregory Staeheli, MD

Retrospective Review Of Completed Displaced Femoral Neck Stress Fractures In Young Adults

CPT David Tennent, MD

Blood Flow Restriction Training: A Novel Post-Operative Therapy Modality

CPT Gregory Van Blarcum, MD

Operative Treatment Of Combat-Related Spine Trauma During The Conflicts In Iraq And Afghanistan

CAPTAIN Raul Villalobos, MPAS

Return To Duty Rates In Soldiers With Atraumatic Anterior Knee Pain Treated With Viscosupplementation

Maj Meredith Warner, MD

Treatment Of Myofascial Gluteal Pain Presenting As Sciatica

Lieutenant Timothy Wilcox, MD

Atraumatic Fracture Dislocation Of The Hip: Case Report And Review Of The Literature