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 T. 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 41.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

*9.75 Monday ABOS Board Review
*24 CME Credits for Scientific Program
*5 CME Credits for Scientific Poster Sessions
*3 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 2013 Society of Military Orthopaedic Surgeons (SOMOS) 55th 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 2013 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

1200-1700  Scientific Poster Setup

1200-2100  Meeting Registration

1200-2400  Speaker Ready Area

ABOS Board Review Course - Session 1

Tumor/Basic Science
Frank J. Frassica, MD, Medstar Orthopaedics, Franklin Square 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  SOMOS Luncheon – Industry Presentation
           Zimmer, Inc.

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

1700-1705  Break
ABOS Board Review Course - Session 2

1705-1805  Pediatric  
  MAJ Mathew Schmitz, MD, San Antonio Military Medical Center, Fort Sam Houston, TX

Tuesday, December 16

0001-2400  Speaker Ready Area

0600-0700  Scientific Poster Session (Presenters will be available to answer questions.)

0600-1735  Meeting Registration

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

0700-0710  Color Guard

0710-0725  SOMOS: Where We Have Been and Where We Will Go
  Col. (Ret) Theodore W. Parsons III, MD, FACS, Henry Ford Medical Group, Detroit, MI

0725-0730  Presentation of the Founders Award
  CDR John-Paul, Rue, MD, United States Naval Academy, Annapolis, MD

0730-0735  Presentation of the Norman T. Kirk Award
  CDR John-Paul, Rue, MD, United States Naval Academy, Annapolis, MD

0735-0740  Presentation of the CDR Michael T. Mazeck Clinician Scholar Award
  CDR John-Paul, Rue, MD, United States Naval Academy, Annapolis, MD

0740-0745  COL Brian Allgood Memorial Leadership Award Presentation
  Col. (Ret) Theodore W. Parsons III, MD, FACS, Henry Ford Medical Group, Detroit, MI

0745-0750  Presentation of the Award
  CDR John-Paul, Rue, MD, United States Naval Academy, Annapolis, MD

0750-0755  Break

Symposium 1:  Trauma 1
Moderator:  COL Romney C. Andersen, MD
0755-0820  METRC—2014 Update
*Michael J. Bosse, MD, Carolinas Medical Center, Orthopaedic Surgery, Charlotte, NC*

0820-0825  Discussion

0825-0845  Break With Exhibitors

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

Civilian Moderator:  Michael J. Bosse, MD  
Military Moderator:  COL Romney C. Andersen, MD

0845-0850  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*

0850-0855  Functional Results Of Transfemoral Versus Through-Knee Amputation In Combat Injured Patients
*LT Dustin Schuett, DO, Naval Medical Center San Diego, San Diego, CA*

0855-0900  Female Combat Amputees Have Higher Rates Of PTSD Disability
*MAJ Jessica C. Rivera, MD, San Antonio Military Medical Center, Fort Sam Houston, TX*

0900-0905  Late Amputation May Not Reduce Complications in Severely Injured Salvaged Limbs
*CPT Chad A. Krueger, MD, San Antonio Military Medical Center, Fort Sam Houston, TX*

0905-0910  Turn-Up Plasty For Salvage Of Transtibial Amputations: A Case Series
*CPT Elizabeth M. Polfer, MD, Walter Reed National Military Medical Center, Bethesda, MD*

0910-0920  Discussion

0920-0925  Cephalo-Medullary Nail Fixation Of Intertrochanteric Fractures: Are Two Proximal Screws Better Than One?
*MAJ James A. Blair, MD, Florida Orthopaedic Institute, Tampa, FL*

0925-0930  Comparison Of Anterior Versus Posterior Exposure Of The Femoral Head And Acetabulum
*LCDR Colin Crickard, MD, Carolinas Medical Center, Charlotte, NC*

0930-0935  War Related Femoral Neck Fractures: Incidence And Outcomes
CPT John Cody, MD, Walter Reed National Military Medical Center, Bethesda, MD

0935-0940 Retrograde Intramedullary Fixation Of Fractures Through Amputations
LT Benjamin Chi, MD, Walter Reed National Military Medical Center, Bethesda, MD

0940-0945 Volumetric Muscle Loss Contributes To Permanent Disability Following Extremity Trauma
MAJ Jessica C. Rivera, MD, San Antonio Military Medical Center, Fort Sam Houston, TX

0945-0955 Discussion

0955-1015 Break With Exhibitors

Symposium 2: Trauma 2
Moderators: MAJ Jean-Claude D’Allyrand, MD
LtCol Wade Gordon, MD

1015-1040 Articular Cartilage Injuries In Trauma: Current And Future Options To Restore Joint Function
James P. Stannard MD, Missouri Orthopaedic Institute, Columbia, MO

1040-1045 Discussion

General Session 2: Trauma and Military Medicine
Civilian Moderator: James P. Stannard, MD
Military Moderators: MAJ Jean-Claude D’Allyrand, MD
LtCol Wade Gordon, MD

1045-1050 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

1050-1055 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

1055-1100 Infection And Non-Union In Tibial Plateau And Shaft Fractures: A Matched Cohort Comparison
MAJ James Blair, MD, Florida Orthopaedic Institute, Tampa, FL

1100-1105 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

1105-1110 Management Of External Fixation Devices For Staged Surgery

LCDR Colin Crickard, MD, Carolinas Medical Center, Charlotte, NC

Quantitative And Qualitative Assessment Of Exposure Of The Posterolateral Proximal Tibia By Four Approaches

Capt Sarah Pierrie, MD, Carolinas Medical Center, Charlotte, NC

1115-1125 Discussion

1125-1130 Improving Outcomes In Patients With Ankle Fusions Following Trauma

MAJ Daniel J. Stinner, MD, San Antonio Military Medical Center, Fort Sam Houston, TX

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

Secondary Hindfoot Nailing After Circular Fixation Limb Salvage

MAJ Daniel J. Stinner, MD, San Antonio Military Medical Center, Fort Sam Houston, TX

1140-1145 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

Emergency Tourniquets For Civilians: Can Military Lessons In Extremity Hemorrhage Be Translated?

Gabriella Ode, MD, Carolinas Medical Center, Charlotte, NC

1150-1200 Discussion

1200-1300 SOMOS Luncheon – Industry Presentation or Lunch On Own

Auxilium Pharmaceuticals, Inc. “Dupuytren’s Contracture in Adults with a Palpable Cord: Clinical Overview and Case Studies”

Presented by: Damon C. Adamany, MD

DePuy Synthes Trauma

Stryker Orthopaedics

General Session 3: Reports of SOMOS & AAOS Presidents
Moderator: CDR John-Paul Rue, MD

1300-1325 Report of the SOMOS President
   *CDR John-Paul, Rue, MD, United States Naval Academy, Annapolis, MD*

1325-1355 Report of the AAOS President
   Update from the AAOS
   *Frederick M. Azar, MD, President, American Academy of Orthopaedic Surgeons,
   Campbell Clinic, Memphis, TN*

1355-1400 Break

**Symposium 3: Trauma 3**
Moderators: MAJ Daniel J. Stinner, MD

1400-1425 Do Clavicle Fractures Need to be Fixed? –I Think We Have the Answer!
   *Samir Mehta, MD, University of Pennsylvania, Philadelphia, PA*

1425-1430 Discussion

**General Session 4: Trauma - Upper Extremity and Soft Tissue**
Civilian Moderator: Samir Mehta, MD
Military Moderator: MAJ Daniel J. Stinner, MD

1430-1435 *Norman T. Kirk Award*
   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*

1435-1440 Observations On Pain Control And Long Length Acellular Allograft Use In The Early Treatment Of Combat Related Injuries Of The Sciatic Nerve
   *LT Patrick E. Jones, MD, Walter Reed National Military Medical Center,
   Bethesda, MD*
   *[Presented by 2LT R. Michael Meyer, BS]*

1440-1445 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]*

1445-1450 Determination Of Radiation Exposure From Intra-Operative Fluoroscopy Views in Orthopaedic Trauma
   *LCDR Michael Kuhne, MD, Orthopaedic Trauma Institute/UCSF, San Francisco, CA*
1450-1500 Discussion

1500-1505 An Analysis Of Orthopaedic Research Produced During The Conflicts In Iraq And Afghanistan: The Top 20 Most Cited Articles

LC DR George C. Balazs, MD, United States Naval Academy, Annapolis, MD
*Presented by CPT Jared Wolfe, MD

1505-1510 The Military Orthopaedic Trauma Registry: Quality Data Now Available

MA J Jessica C. Rivera, MD, San Antonio Military Medical Center, Fort Sam Houston, TX

1510-1515 Enhanced Casualty Care From A Global Military Orthopaedic Teleconsultation Program

CPT Matthew D. Laughlin, DO, William Beaumont Army Medical Center, El Paso, TX

1515-1520 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

1520-1525 Army Orthopaedic Surgery Residency Program Directors’ Selection Criteria

CPT Jeffrey Hoffman, MD, William Beaumont Army Medical Center, El Paso, TX

1525-1545 Break With Exhibitors

Symposium 4: Hip and Knee Preservation/Reconstruction/Osteoarthritis
Moderator: COL Philip Belmont Jr., MD

1545-1605 Revisiting Arthritis And Osteonecrosis In Warfighters – Can We Solve This Problem?

Thomas P. Vail, MD, University of California San Francisco, San Francisco, CA

1605-1610 Discussion

General Session 5: Hip and Knee Preservation/Reconstruction/Osteoarthritis
Civilian Moderator: Thomas P. Vail, MD
Military Moderator: COL Philip Belmont Jr., MD

1610-1615 Founders Award

Fls Ketorolac The Next Intra-Articular Knee Injection For Osteoarthritis?

MA J Jaime Bellamy, DO, San Antonio Military Medical Center, Fort Sam Houston, TX

1615-1620 Incidence, Risk Factors And Timing For Thirty-Day Postoperative Myocardial Infarction And Cardiac Arrest Following Primary Total Knee And Hip Arthroplasty
1620-1625 The Safety And Efficacy Of Simultaneous Bilateral Anterior Approach Total Hip Arthroplasty

*Presented by CPT Gens P. Goodman, DO

1625-1630 Incidence, Risk Factors And Occurrence For Thirty-Day Postoperative Myocardial Infarction And Cardiac Arrest Following Primary Total Knee And Hip Arthroplasty

CPT Gens P. Goodman, DO, William Beaumont Army Medical Center, El Paso, TX

1630-1635 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

1635-1640 Discussion

1640-1645 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

1645-1650 Accuracy Of Ultrasound-Guided Intra-Articular Hip Injections Performed In The Orthopaedic Clinic

*Presented by CPT Erik K. Turner, MD

MAJ Todd Balog, MD, Madigan Army Medical Center, Tacoma, WA

1650-1655 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

1655-1700 Return To Duty After Hip Arthroscopy In An Active Duty Population

CPT Jason Dutton, DO, William Beaumont Army Medical Center, El Paso, TX

1700-1705 Open Versus Arthroscopic Treatment Of Femoroacetabular Impingment In A Military Population: A Retrospective Review

CPT Aaron Vandenbos, MD, San Antonio Military Medical Center, Fort Sam Houston, TX

1705-1710 Discussion
1710-1715  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

1715-1720  Component Malposition Does Not Adversely Affect Obese Total Knee Arthroplasty Patient Outcomes
James Keeney, MD, Washington University School of Medicine, St. Louis, MO

1720-1725  Functional Outcomes Of Total Knee Arthroplasty In The Active Duty Military
CPT Kenneth Heida, MD, William Beaumont Army Medical Center, El Paso, TX

1725-1730  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

1730-1735  Discussion

1735-1740  Break

ABOS Board Review Course - Session 3

1740-1830  Trauma
MAJ Daniel J. Stinner, MD, San Antonio Military Medical Center, Fort Sam Houston, TX
Samir Mehta, MD, University of Pennsylvania, Philadelphia, PA

Wednesday, December 17

0001-2400  Speaker Ready Area

0600-0700  Scientific Poster Session (Presenters will be available to answer questions.)

0615-1645  Meeting Registration

Symposium 5: The Warren Kadramas Memorial Sports Medicine Session
Moderators: LTC Brett D. Owens, MD
CDR Mike McCabe, MD

0700-0725  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

0725-0730  Discussion
0730-0745 Clinical Case Panel: Shoulder Instability in the 20 year-old “Contact” Warrior-Athlete
Moderators: LTC Brett D. Owens, MD
Robert A. Arciero, MD, University of Connecticut Health Center, Farmington, CT
Stephen S. Burkhart, MD, The Orthopaedic Institute, San Antonio, TX
COL (Ret) Craig Bottini, MD, Tripler Army Medical Center, Honolulu, HI
COL (Ret) Dean C. Taylor, MD Duke University Medical Center, Durham, NC

0745-0755 Discussion

0755-0815 Break with Exhibits

General Session 6: Shoulder I
Civilian Moderator: Robert A. Arciero, MD
Military Moderator: CDR Mike McCabe, MD

0815-0820 Return To Play In Intercollegiate Collision Sports Following Latarjet Procedure
Maj Jeffrey Belisle, MD, MBA, The United States Air Force Academy, Colorado Springs, CO

0820-0825 Return To Intercollegiate Football Following Arthroscopic Anterior Shoulder Stabilization
MAJ Jonathan F. Dickens, MD, Keller Army Community Hospital, West Point, NY

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

0845-0850 Glenoid Bone Loss In Posterior Shoulder Instability: Outcomes After Arthroscopic Stabilization
CPT Adam C. Hines, MD, Tripler Army Medical Center, Honolulu, HI
*Presented by CPT Jay Cook, MD
0850-0900  Discussion

0900-0905  Pectoralis Major Rupture In Young Collegiate Athletes
*2LT Andrew Chan, MPH, Keller Army Hospital, United States Military Academy, West Point, NY*

0905-0910  Acute Pectoralis Major Tears In Forward Deployed Active Duty U.S. Military Personnel: A Population At Risk?
*Maj Dane Salazar, MD, Al Udeid Air Base, Qatar*

0910-0915  Acromioclavicular Ligament Reconstruction: Allograft Leads To Early Failure
*MAJ Kelly Fitzpatrick, DO, Dallas, TX*

0915-0920  Morphology Of The Acromioclavicular Joint And Association With Acromioclavicular Joint Injuries
*CPT Christopher Chen, MD, Madigan Army Medical Center, Tacoma, WA*

0920-0925  Medialized Clavicular Tunnel Position Predicts Failure After Anatomic Coracoclavicular Reconstruction
*CPT Emmanuel Eisenstein, MD, William Beaumont Army Medical Center, El Paso, TX*

0925-0930  Initial Operative Versus Conservative Management In The Treatment Of Type V Acromioclavicular Dislocations
*MAJ Kevin P. Krul, MD, Tripler Army Medical Center, Honolulu, HI*

0930-0940  Discussion

0940-1000  Break With Exhibits

**Symposium 6: The Rotator Cuff and Biceps Pathology**
Moderators: LCDR Michael Kuhne, MD  
MAJ Jeffrey Giuliani, MD

1000-1025  Arthroscopic Management of Subscapularis Tears and Biceps Pathology
*Stephen S. Burkhart, MD, The Orthopaedic Institute, San Antonio, TX*

1025-1030  Discussion

1030-1045  Clinical Case Panel: SLAP Lesions In The Grenade Throwing Soldier
Moderators: LCDR Michael Kuhne, MD

Robert A. Arciero, MD, University of Connecticut Health Center, Farmington, CT  
Stephen S. Burkhart, MD, The Orthopaedic Institute, San Antonio, TX  
COL (Ret) Dean C. Taylor, MD Duke University Medical Center, Durham, NC
1045-1055  Discussion

**General Session 7: Shoulder II**

**Civilian Moderator:** Stephen S. Burkhart, MD  
**Military Moderator:** MAJ Jeffrey Giuliani, MD

1055-1100  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*

1100-1105  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*

1105-1110  The Role Of The Biceps Brachii In Overhead Throwing: A Biomechanical Study  
*Bryan Hanypsiak, MD, Naples, FL*

1110-1115  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*

1115-1120  Arthroscopic Transosseous Rotator Cuff Repair Is Cost Effective Compared To Anchored Technique  
*MAJ Kelly Kilcoyne, MD, The Johns Hopkins University, Baltimore, MD*

1120-1125  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*

1125-1130  Thirty-Day Morbidity, Mortality, And Length Of Hospital Stay After Elective Total Shoulder Arthroplasty  
*CPT John Dunn, MD, William Beaumont Army Medical Center, El Paso, TX*

1130-1140  Discussion

1140-1145  The Subjective Shoulder Value Correlates Well With The American Shoulder And Elbow Surgeons Score  
*MAJ Kelly Kilcoyne, MD, The Johns Hopkins University, Baltimore, MD*

1145-1150  Knot Strength Varies Widely Among Expert Arthroscopists  
*Bryan Hanypsiak, MD, Naples, FL*

1150-1155  Performance Variations In Knotted Suture Anchors Versus Knotless Suture Anchors
1155-1200 The West Point Knot: A Comparison to Conventional Arthroscopic Knots
*Presented by 2LT Justin Felix, BS

1200-1205 High-Tensile Strength Tape Versus High-Tensile Strength Suture: A Biomechanical Tissue Repair Study

1205-1210 Arthroscopic Shoulder Simulator Training during Graduate Medical Education: Are Relative Performance Improvements Maintained at 1-Year Follow-Up

1210-1215 Discussion

1215-1315 *SOMOS Luncheon – Industry Presentation or Lunch On Own*

- Bioventus
- Stryker Orthopaedics
- Tenex Health

**General Session 8: SOMOS Business Meeting and Guest Speaker**

*Moderators: CDR John-Paul Rue, MD*

1315-1330 SOMOS Business Meeting
*(All Active SOMOS Members Invited To Attend)*

1330-1350 Warrior for Freedom: Challenge, Triumph, and Change
*Major (Ret) Ed Pulido, Folds of Honor Foundation, Edmond, OK*

1350-1355 Break

**Symposium 7: Sports/Lower Extremity**

*Moderators: COL Steven J. Svoboda, MD
CDR Christopher Dewing, MD*

1355-1420 How I Manage the Multiligament Injured Knee
*Christopher Harner, MD, UPMC Center for Sports Medicine, Pittsburgh, PA*

1420-1425 Discussion

1425-1440 Clinical Case Panel: The Multiligamentous Knee Injury
*Moderators: CDR Christopher Dewing, MD*
1440-1450 Discussion

General Session 9: Sports Lower Extremity
Civilian Moderator: Christopher Harner, MD
Military Moderator: COL Steven J. Svoboda, MD

1450-1455 Anterior Cruciate Ligament Deficiency Does Not Affect Stress Radiograph Validity In Posterolateral Corner Injuries
LCDR Lucas S. McDonald, MD, Naval Medical Center San Diego, San Diego, CA

1455-1500 Prospective Evaluation Of Acute ACL Reconstructions Using Patellar Tendon Autograft
CPT Jay Cook, MD, Tripler Army Medical Center, Honolulu, HI

1500-1505 Analysis Of ACL Reconstruction Outcomes In A Military Population At A Single Center
LCDR Paul Metzger, MD, USNH, Okinawa, Japan

1505-1510 ACL Graft Selection From The Patient's Perspective
CPT Anthony Barcia, MD, Tripler Army Medical Center, Honolulu, HI

1510-1515 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 M. Brelin, MD

1515-1520 Discussion

1520-1525 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

1525-1530 Return to Duty Rates after Multiligamentous Knee Injury
Capt Aaron Barrow, MD, San Antonio Military Medical Center, San Antonio, TX

1530-1535 Adjunctive Tibial Tubercle Osteotomy For Patellofemoral Chondral Defects
CPT Tuesday Fisher, MD, William Beaumont Army Medical Center, El Paso, TX
1535-1540 Epidemiology Of Chondromalacia Of The Patella In An Active Military Population
CPT Nathaniel Watts, DO, William Beaumont Army Medical Center, El Paso, TX

1540-1545 Particulated Juvenile Articular Cartilage Allograft For Treatment Of Chondral Defects Of The Knee: Short-Term Survivorship With Functional Outcomes
MAJ Brian R. Waterman, MD, Darnall Army Medical Center, Killeen, TX

1545-1550 Biomechanical Strength Of Current Medial Patellofemoral Ligament Reconstruction Techniques
LCDR Patrick Joyner, MD, MS, Andrews Institute, Gulf Breeze, FL

1550-1600 Discussion

1600-1605 Survivorship Of Meniscal Allograft Transplantation In A High-Demand Patient Population
CPT Nicholas Rensing, MD, William Beaumont Army Medical Center, El Paso, TX

1605-1610 Epidemiology Of Isolated Meniscus Tears In Young Athletes
MAJ Brendan D. Masini, MD, Keller Army Hospital, West Point, NY

1610-1615 Meniscal Repair In The Active Duty Population At A Military Medical Center
CPT Joseph Galvin, DO, Madigan Army Medical Center, Fort Lewis, WA

1615-1620 Return To Play Following Concussion At A Military Service Academy
LtCol Darren Campbell, MD, The United States Air Force Academy, Colorado Springs, CO

1620-1625 Geographic Variation In Injury Incidence Rate Reporting
LCDR George C. Balazs, MD, United States Naval Academy, Annapolis, MD

1625-1630 Contemporary Epidemiology Of Lower Extremity Stress Fractures In The United States Military
CPT Baris Gun, DO, William Beaumont Army Medical Center, El Paso, TX

1630-1635 Epidemiology Of Injuries In Major League Baseball Catchers
MAJ Kelly Kilcoyne, MD, The Johns Hopkins University, Baltimore, MD

1635-1645 Discussion

1645-1650 Break

ABOS Board Review Course - Session 4

1650-1750 Sports
1750-1850  Multimedia Education Session

Thursday, December 18

0001-2400  Speaker Ready Area

0600-0700  Scientific Poster Session (Presenters will be available to answer questions.)

0615-1125  Meeting Registration

0630-0715  Service Breakouts
  Air Force
  Joseph T. Gower, MD, Fort Sam Houston, TX
  Army
  COL Phillip Belmont Jr., MD, El Paso, TX
  Navy
  CAPT Eric Hofmeister, MD, San Diego, CA

0715-0730  Refreshment Break

Concurrent Instructional Course Lecture 1: 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 2: 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*

0800-0810  Lessons Learned in Military and Civilian Practice  
*COL (Ret) James R. Ficke, MD, Johns Hopkins University, Baltimore, MD*

0810-0820  Navigating the Military Officer Development System: Pearls for Success  
*Brig Gen Kory G. Cornum, MD, Scott Air Force Base, IL*

0820-0830  Panel Discussion

0830-0845  Refreshment Break

**Concurrent Session 10A: Basic Science/Tumor (Main Room)**

**Civilian Moderator:** Regis J. O’Keefe, MD  
**Military Moderator:** LTC Benjamin K. Potter, MD

0845-0910  Progenitor Cells and Tissue Injury and Repair Processes  
*Regis J. O’Keefe, MD, Washington University, St. Louis, MO*

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*  
*Presented by CPT Gabriel J. Pavey, MD*

0920-0925  Adhesion Of Mesenchymal Progenitor Cells To A Traumatized Muscle Biomimetic Environment Is Mediated By α2β1 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-β2 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 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

1005-1010 Discussion

Concurrent Session 10B: Pediatrics (Main Room)
Civilian Moderator: Anthony Riccio, MD
Military Moderator: LCDR Terrance Anderson, MD

1010-1035 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

1035-1040 Discussion

1040-1045 Functional Outcomes Following Operative Treatment Of Tibial Tubercle Fractures
Anthony Riccio, MD, Childrens Medical Center, Dallas, TX
*Presented by Robert L. Wimberly, MD

1045-1050 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
1050-1055 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

1055-1100 Treatment Of Blount’s Disease In Obese Adolescents

CAPT William Hennrikus, MD, Penn State College of Medicine, Hershey, PA

1100-1105 Acquired Upper Extremity Growth Arrest

CPT Erich Gauger, MD, University of Minnesota, Minneapolis, MN

1105-1110 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

1110-1115 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

1115-1125 Discussion

**Concurrent Session 10C: Hand and Education (Concurrent Room)**

Civilian Moderator: Alexander Y. Shin, MD
Military Moderator: MAJ Mathew Drake, MD

0845-0910 Current Concepts in Scaphoid Nonunions Surgery

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

CPT Robert Dichiera, MPAS, William Beaumont Army Medical Center, El Paso, TX

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, HI

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

0950-1000 Discussion

1000-1005 Positional Tension Of The Ulnar Nerve After Decompression Procedures
CPT John Dunn, MD, William Beaumont Army Medical Center, El Paso, TX

1005-1010 A Vascularized Elbow Allotransplantation Model In The Rat
LCDR Scott Tintle, MD, University of Pennsylvania, Philadelphia, PA

1010-1015 The Effect Of Below-Elbow Immobilization On Driving Performance s
Capt Aaron Barrow, MD, San Antonio Military Medical Center, San Antonio, TX

1015-1020 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

1020-1025 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

1025-1035 Discussion

1035-1040 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

1040-1045 The Effectiveness Of Tiered Research Teams Within An Orthopaedic Surgery Residency
CPT Chad A. Krueger, MD, San Antonio Military Medical Center, Fort Sam Houston, TX

1045-1050 Are Cell Phones A Potential Source Of Bacterial Contamination In The Operating Room?
CAPT Irshad Shakir, MD, Saint Louis University Hospital, Saint Louis, MO

1050-1055  Validity Of Computed Tomography In Predicting Scaphoid Screw Prominence: A Cadaveric Study
   LT Clare Griffis, MD, Walter Reed National Military Medical Center, Bethesda, MD

1055-1100  Discussion

1100-1115  Clinical Case Panel: Hand Transplant Outcomes and future of VCA
   Moderators: LCDR Scott M. Tintle, MD
   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.

1115-1125  Discussion

1125-1225  SOMOS Luncheon – Industry Presentation or Lunch On Own
   Applied Biologics

1225-1325  Scientific Poster Session (Presenters will be available to answer questions.)

1325-1525  Multimedia Education Session

Friday, December 19

0001-1330  Speaker Ready Area

0630-0730  Scientific Poster Session (Presenters will be available to answer questions.)

0715-1040  Meeting Registration

Instructional Course Lecture 3: 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
   Capt (Ret) John Wilckens, MD, Johns Hopkins University, Baltimore, MD

0800-0815  Legal Or Illegal- Supplements In Sports And The Military
Edward 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

**Concurrent Session 11A: Foot and Ankle**  
Civilian Moderator:  Bruce Cohen, MD  
Military Moderator:  COL Scott Shawen, MD

0900-0925  Ankle Instability  
*Bruce Cohen, MD, Carolinas Medical Center, Charlotte, NC*

0925-0930  Discussion

0930-0935  Chronic Latent Syndesmotic Instability: A Surgical Algorithm, Patient Outcomes, and Return to Activity  
*LTC Paul Ryan, MD, Tripler Army Medical Center, Honolulu, HI*

0935-0940  The Effectiveness Of Different Syndesmotic Reduction Techniques  
*LCDR Colin Crickard, MD, Carolinas Medical Center, Charlotte, NC*

0940-0945  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*

0945-0950  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*

0950-0955  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*

0955-1000  Mini-Fragment Internal Fixation Of Distal Fibular Fractures Results In Lower Rates Of Hardware Removal Without Compromising Healing  
*LT Lauren Ehrlichman, MD, Brigham and Women's Hospital, Boston, MA*

1000-1005  Patient-Based And Surgical Risk Factors For Thirty-Day Post-Operative Complications And Mortality Following Ankle Fracture Fixation
1005-1015 Discussion

1015-1020 Medial Malleolar Screw Hemiepiphysiodesis For Ankle Valgus Revisited
*CPT David J. Wilson MD, Madigan Army Medical Center, Tacoma, WA*

1020-1025 Microfracture Repair Of Osteochondral Lesions Of The Talus In The Active Duty Population At A Military Medical Center
*CPT Andrew Jackson, MD, Madigan Army Medical Center, Tacoma, WA*

1025-1030 Tubercle Views Of The Ankle
*LCDR Colin Crickard, MD, Carolinas Medical Center, Charlotte, NC*

1030-1035 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*

1035-1040 Discussion

**Concurrent Session 11B: Spine**
Civilian Moderator: R. Douglas Orr, MD
Military Moderator: MAJ Melvin Helgeson, MD

0900-0925 Assessment And Treatment Of Adult Sagittal Deformity
*R. Douglas Orr, MD, Cleveland Clinic, Cleveland, OH*

0925-0930 Discussion

0930-0935 Revision Surgery Rates after Primary Fusion for Adolescent Idiopathic Scoliosis
*CPT Joseph Dannenbaum, MD, Shriner's Childrens Hospital, Spokane, WA*

0935-0940 Validation Of The Lumbosacral Injury Classification System (LSICS)
*LT Scott Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD*

0940-0945 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*

0945-0950 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*
0950-0955 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

0955-1000 Can Orthopaedic Surgeons Be Trained To Accurately Gauge Tapping Insertional Torque?
LT Scott Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD

1000-1005 Discussion

1005-1010 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

1010-1015 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

1015-1020 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

1020-1025 Persistent Axial Neck Pain After Cervical Disc Arthroplasty: A Radiographic Analysis
LT Scott Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD

1025-1030 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

1030-1035 Outcomes Following Complex Combat-Related Lumbosacral Dissociation Injuries
LT Scott Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD

1035-1040 Discussion

1040-1045 Break
ABOS Board Review Course - Session 5

1045-1145  **Spine**
*CDR David Gwinn, MD, Walter Reed National Military Medical Center, Bethesda, MD*

ABOS Board Review Course - Session 6

1145-1245  **Foot & Ankle**
*MAJ Toby Eckel, MD, Walter Reed National Military Medical Center, Bethesda, MD*

(Location listed by authors’ names indicates the institution where the research took place.)
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

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 E. 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

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

LT Ryan Ponton, MD
*Presented by LT Hannah Kirby

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

*A Presented by CDR Joseph Carney, MD

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