

2014 Scientific Program

Monday, December 15, 2014

Princess Salons A & B unless otherwise specified.

(Presenters and Times are Subject to Change)

Disclosure Information is listed on pages 30-37.

1200-2400	Speaker Ready Area (<i>Palomino Ballrooms 4-6 Foyer</i>)	1200-1245	SOMOS Luncheon Industry Presentation — Zimmer, Inc.
ABOS Board Review Course — Session 1		1245-1330	Sacral And Vertebral Lesions
	Tumor/Basic Science <i>Frank J. Frassica, MD, Medstar Orthopaedics, Franklin Square Hospital, Baltimore, MD</i>	1330-1415	Hand And Feet Lesions
0700-0800	Introduction – Bone And Soft Tissue Tumors	1415-1500	Synovial Proliferative Lesions
0800-0845	Adult Patient	1500-1515	Break
0845-0930	Young Patient	1515-1600	Soft Tissue Lesions
0930-0945	Break	1600-1700	Examination
0945-1030	Characteristic Lesions	1700-1705	Break
1030-1115	Surface Lesions	ABOS Board Review Course — Session 2	
1115-1200	Tibial Lesions	1705-1805	Pediatric <i>MAJ Matthew R. Schmitz, MD, FAAOS, FAAP, San Antonio Military Medical Center, Fort Sam Houston, TX</i>

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Tuesday, December 16, 2014

Palomino Ballrooms 8-10 unless otherwise specified.

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0001-2400

Speaker Ready Area
(Palomino Ballrooms 4-6 Foyer)

0600-0700

Scientific Poster Session
(Palomino Ballrooms 4-6 Foyer)
Note: Presenters will be available to answer questions.

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. Mazurek 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 Allgood 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
CAPT (Ret) Michael J. Bosse, MD, Carolinas Medical Center, Charlotte, NC

0820-0825

Discussion

0825-0845

Break With Exhibitors
(Palomino Ballrooms 4-7)

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

Civilian Moderator: CAPT (Ret) 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
**Presented by Matthew G. Hanley, 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

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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 P. 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*
**Presented by Michael A. Donahue,
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**
(Palomino Ballrooms 4-7)

Symposium 2: Trauma 2

Moderators: MAJ Jean-Claude D'Allyrand, MD
Lt Col Wade T. 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
Lt Col Wade T. 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 A. 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*
**Presented by Matthew G. Hanley, MD*

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1105-1110	Management Of External Fixation Devices For Staged Surgery <i>LCDR Colin Crickard, MD, Carolinas Medical Center, Charlotte, NC</i>	1150-1200	<i>Gabriella Ode, MD, Carolinas Medical Center, Charlotte, NC</i> Discussion
1110-1115	Quantitative And Qualitative Assessment Of Exposure Of The Posterolateral Proximal Tibia By Four Approaches <i>Capt Sarah Pierrie, MD, Carolinas Medical Center, Charlotte, NC</i>	1200-1300	SOMOS Luncheon — Industry Presentations Auxilium Pharmaceuticals, Inc. <i>(Dorado A)</i> DePuy Synthes <i>(Palomino Ballroom 2)</i> Stryker Orthopaedics <i>(Palomino Ballroom 1)</i>
1115-1125	Discussion		
1125-1130	Improving Outcomes In Patients With Ankle Fusions Following Trauma <i>MAJ Daniel J. Stinner, MD, San Antonio Military Medical Center, Fort Sam Houston, TX</i> <i>*Presented by Capt Andrew J. Sheean, MD</i>		
General Session 3: Reports of SOMOS & AAOS Presidents			
		Moderator:	CDR John-Paul Rue, MD
1130-1135	The Orthoplastic Team Approach To Salvage Of Infected Tibial Non-Unions With The Use Of Free Vascularized Fibula Graft And Taylor Spatial Frame <i>LCDR Scott M. Tintle, MD, University of Pennsylvania, Philadelphia, PA</i>	1300-1325	Report of the SOMOS President <i>CDR John-Paul Rue, MD, United States Naval Academy, Annapolis, MD</i>
		1325-1355	Report of the AAOS President Update from the AAOS <i>Frederick M. Azar, MD, President, American Academy of Orthopaedic Surgeons, Campbell Clinic, Memphis, TN</i>
1135-1140	Secondary Hindfoot Nailing After Circular Fixation Limb Salvage <i>MAJ Daniel J. Stinner, MD, San Antonio Military Medical Center, Fort Sam Houston, TX</i>	1355-1400	Break
Symposium 3: Trauma 3			
		Moderator:	MAJ Daniel J. Stinner, MD
1140-1145	Comparison Of Female And Male Casualty Cohorts From Conflicts In Iraq And Afghanistan <i>CPT Christina Hylden, MD, San Antonio Military Medical Center, Fort Sam Houston, TX</i>	1400-1425	Do Clavicle Fractures Need to be Fixed? I Think We Have the Answer! <i>Samir Mehta, MD, University of Pennsylvania, Philadelphia, PA</i>
1145-1150	Emergency Tourniquets For Civilians: Can Military Lessons In Extremity Hemorrhage Be Translated?	1425-1430	Discussion

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General Session 4: Trauma — Upper Extremity and Soft Tissue

Civilian Moderator:	Samir Mehta, MD			<i>CDR George C. Balazs, MD, United States Naval Academy, Annapolis, MD</i>
Military Moderator:	MAJ Daniel J. Stinner, MD	1505-1510		<i>*Presented by CPT Jared Wolfe, MD</i>
1430-1435	Norman T. Kirk Award Early Complications And Outcomes In Combat Injury Related Invasive Fungal Infections: A Case-Control Analysis <i>LT Louis R. Lewandowski, MD, Walter Reed National Military Medical Center, Bethesda, MD</i>	1510-1515		The Military Orthopaedic Trauma Registry: Quality Data Now Available <i>MAJ Jessica C. Rivera, MD, San Antonio Military Medical Center, Fort Sam Houston, TX</i>
1435-1440	Observations On Pain Control And Long Length Acellular Allograft Use In The Early Treatment Of Combat Related Injuries Of The Sciatic Nerve <i>LT Patrick E. Jones, MD, Walter Reed National Military Medical Center, Bethesda, MD</i> <i>*Presented by 2LT R. Michael Meyer, BS</i>	1515-1520		Enhanced Casualty Care From A Global Military Orthopaedic Teleconsultation Program <i>CPT Matthew D. Laughlin, DO, William Beaumont Army Medical Center, El Paso, TX</i>
1440-1445	Definitive External Fixation For Diaphyseal Fractures Of The Humerus: A Systematic Review <i>LCDR George C. Balazs, MD, United States Naval Academy, Annapolis, MD</i> <i>*Presented by CPT Michael A. Donohue, MD</i>	1520-1525		A Systemic Review Of Residency Application Data: Who Do You Want Taking Care Of You? <i>LT Nicholas Pulos, MD, Hospital of University of Pennsylvania, Philadelphia, PA</i>
1445-1450	Determination Of Radiation Exposure From Intra-Operative Fluoroscopy Views in Orthopaedic Trauma <i>LCDR Michael Kuhne, MD, Orthopaedic Trauma Institute/UCSF, San Francisco, CA</i>	1525-1545		Army Orthopaedic Surgery Residency Program Directors' Selection Criteria <i>CPT Jeffrey Hoffman, MD, William Beaumont Army Medical Center, El Paso, TX</i>
1450-1500	Discussion			Break With Exhibitors <i>(Palomino Ballrooms 4-7)</i>
1500-1505	An Analysis Of Orthopaedic Research Produced During The Conflicts In Iraq And Afghanistan: The Top 20 Most Cited Articles	1605-1610		

Symposium 4: Hip and Knee Preservation/ Reconstruction/Osteoarthritis

Moderator: COL Philip J. 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

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General Session 5: Hip and Knee Preservation/ Reconstruction/Osteoarthritis		1640-1645	Accuracy Of Ultrasound-Guided Intra-Articular Hip Injections Performed In The Orthopaedic Clinic <i>MAJ Todd Balog, MD, Madigan Army Medical Center, Tacoma, WA</i> <i>*Presented by CPT Erik K. Turner, MD</i>
Civilian Moderator:	Thomas P. Vail, MD		
Military Moderator:	COL Philip J. Belmont Jr., MD		
1610-1615	Founders Award Is Ketorolac The Next Intra-Articular Knee Injection For Osteoarthritis? <i>MAJ Jaime Bellamy, DO, San Antonio Military Medical Center, Fort Sam Houston, TX</i>	1645-1650	Inadequacy Of Ibuprofen For Prevention Of Heterotopic Ossification After Hip Arthroscopy In A Military Population <i>Maj Matthew Mai, MD, Eglin Air Force Base, Shalimar, FL</i>
1615-1620	The Safety And Efficacy Of Simultaneous Bilateral Anterior Approach Total Hip Arthroplasty <i>CDR (Sel) Joseph Gondusky, MD, Hoag Orthopedic Institute, Irvine, CA</i>	1650-1655	Return To Duty After Hip Arthroscopy In An Active Duty Population <i>CPT Jason Dutton, DO, William Beaumont Army Medical Center, El Paso, TX</i>
1620-1625	Incidence, Risk Factors And Occurrence For Thirty-Day Postoperative Myocardial Infarction And Cardiac Arrest Following Primary Total Knee And Hip Arthroplasty <i>CPT Gens P. Goodman, DO, William Beaumont Army Medical Center, El Paso, TX</i>	1655-1700	Open Versus Arthroscopic Treatment Of Femoroacetabular Impingment In A Military Population: A Retrospective Review <i>CPT Aaron Vandebos, MD, San Antonio Military Medical Center, Fort Sam Houston, TX</i>
1625-1630	Factors Leading To Acetabular Component Malpositioning In A Cohort Of Military Hip Arthroplasty Patients <i>CPT Peter Formby, MD, Walter Reed National Military Medical Center, Bethesda, MD</i>	1700-1710	Discussion
1630-1635	Discussion	1710-1715	Use Of Intravenous Perioperative Tranexamic Acid In Total Joint Arthroplasty: The Military Experience <i>CPT Peter Formby, MD, Walter Reed National Military Medical Center, Bethesda, MD</i>
1635-1640	Free Vascularized Fibular Grafts for Femoral Head Osteonecrosis: An Alternative Technique Utilizing A Buttress Plate For Graft Fixation <i>LCDR Scott M. Tintle, MD, Walter Reed National Military Medical Center, Bethesda, MD</i>	1715-1720	Component Malposition Does Not Adversely Affect Obese Total Knee Arthroplasty Patient Outcomes <i>James A. Keeney, MD, Washington University School of Medicine, St. Louis, MO</i>

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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 A. 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*

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0001-2400

Speaker Ready Area
(Palomino Ballrooms 4-6 Foyer)

0600-0700

Scientific Poster Session
(Palomino Ballrooms 4-6 Foyer)
Note: Presenters will be available to answer questions.

Symposium 5: The Warren Kadrmas Memorial Sports Medicine Session

Moderators: LTC Brett D. Owens, MD
LCDR Michael P. 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

Moderator: LTC Brett D. Owens, MD
Panelists:
Robert A. Arciero, MD, University of Connecticut Health Center, Farmington, CT
Stephen S. Burkhart, MD, The Orthopaedic Institute, San Antonio, TX
COL (Ret) Craig R. Bottoni, 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**
(Palomino Ballrooms 4-7)

General Session 6: Shoulder I

Civilian Moderator: Robert A. Arciero, MD
Military Moderator: LCDR Michael P. 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 A. 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 A. Parada, MD, Massachusetts General Hospital, Boston, MA

0840-0845 Clinical Validation Of The "On-Track" Vs. "Off-Track" Concept In Anterior Glenohumeral Instability

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	<i>CPT Jay B. Cook, MD, Tripler Army Medical Center, Honolulu, HI</i>	0925-0930	Initial Operative Versus Conservative Management In The Treatment Of Type V Acromioclavicular Dislocations <i>MAJ Kevin P. Krul, MD, Tripler Army Medical Center, Honolulu, HI</i>
0845-0850	Glenoid Bone Loss In Posterior Shoulder Instability: Outcomes After Arthroscopic Stabilization <i>CPT Adam C. Hines, MD, Tripler Army Medical Center, Honolulu, HI</i> <i>*Presented by CPT Jay B. Cook, MD</i>	0930-0940	Discussion
0850-0900	Discussion	0940-1000	Break With Exhibits (<i>Palomino Ballrooms 4-7</i>)
0900-0905	Pectoralis Major Rupture In Young Collegiate Athletes <i>2LT Andrew Chan, MPH, Keller Army Hospital, United States Military Academy, West Point, NY</i>	Symposium 6: The Rotator Cuff and Biceps Pathology	
		Moderators:	CDR Michael Kuhn, MD MAJ Jeffrey Giuliani, MD
0905-0910	Acute Pectoralis Major Tears In Forward Deployed Active Duty U.S. Military Personnel: A Population At Risk? <i>Maj Dane H. Salazar, MD, Al Udeid Air Base, Qatar</i>	1000-1025	Arthroscopic Management of Subscapularis Tears and Biceps Pathology <i>Stephen S. Burkhart, MD, The Orthopaedic Institute, San Antonio, TX</i>
0910-0915	Acromioclavicular Ligament Reconstruction: Allograft Leads To Early Failure <i>MAJ Kelly Fitzpatrick, DO, Dallas, TX</i>	1025-1030	Discussion
		1030-1045	Clinical Case Panel: SLAP Lesions In The Grenade Throwing Soldier
0915-0920	Morphology Of The Acromioclavicular Joint And Association With Acromioclavicular Joint Injuries <i>CPT Christopher Chen, MD, Madigan Army Medical Center, Tacoma, WA</i>	Moderator:	CDR Michael Kuhn, MD Panelists: <i>Robert A. Arciero, MD, University of Connecticut Health Center, Farmington, CT</i> <i>Stephen S. Burkhart, MD, The Orthopaedic Institute, San Antonio, TX</i> <i>COL (Ret) Dean C. Taylor, MD, Duke University Medical Center, Durham, NC</i>
0920-0925	Medialized Clavicular Tunnel Predicts Failure After Anatomic Coracoclavicular Reconstruction <i>CPT Emmanuel Eisenstein, MD, William Beaumont Army Medical Center, El Paso, TX</i>	1045-1055	Discussion

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General Session 7: Shoulder II		1120-1125	Thirty-Day Morbidity, Mortality, And Length Of Hospital Stay After Elective Total Shoulder Arthroplasty <i>CPT John Dunn, MD, William Beaumont Army Medical Center, El Paso, TX</i>
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 <i>CPT Jeremy McCallum, MD, Tripler Army Medical Center, Honolulu, HI</i>	1125-1140	Discussion
1100-1105	Clinical Outcomes Of SLAP Repair In The U.S. Military: Predictors For Failure Among 192 Patients <i>CPT William Arroyo, MD, William Beaumont Army Medical Center, El Paso, TX</i>	1140-1145	The Subjective Shoulder Value Correlates Well With The American Shoulder And Elbow Surgeons Score <i>MAJ Kelly Kilcoyne, MD, The Johns Hopkins University, Baltimore, MD</i>
1105-1110	Clinical Comparison Of Intramedullary Cortical Button Fixation And Suture Anchor Fixation For Subpectoral Biceps Tenodesis <i>MAJ Kelly Kilcoyne, MD, The Johns Hopkins University, Baltimore, MD</i>	1145-1150	Performance Variations In Knotted Suture Anchors Versus Knotless Suture Anchors <i>Jeffrey DeLong, BS, Medical University of South Carolina, Charleston, SC</i> <i>*Presented by MAJ Brian R. Waterman, MD</i>
1110-1115	Arthroscopic Transosseous Rotator Cuff Repair Is Cost Effective Compared To Anchored Technique <i>MAJ Kelly Kilcoyne, MD, The Johns Hopkins University, Baltimore, MD</i>	1150-1155	The West Point Knot: A Comparison to Conventional Arthroscopic Knots <i>MAJ Jonathan F. Dickens, MD, Keller Army Community Hospital, West Point, NY</i> <i>*Presented by 2LT Justin Felix, BS</i>
1115-1120	Does The Application Of Compression Stockings Decrease The Risk Of Cerebral Desaturation Events In Obese Patients Undergoing Shoulder Arthroscopy In The Beach Chair Position? <i>Maj Dane H. Salazar, MD, Loyola University, Chicago, IL</i>	1155-1200	High-Tensile Strength Tape Versus High-Tensile Strength Suture: A Biomechanical Tissue Repair Study <i>LT Ryan Gnant, MD, Naval Medical Center San Diego, San Diego, CA</i>
		1200-1205	Arthroscopic Shoulder Simulator Training During Graduate Medical Education: Are Relative Performance Improvements Maintained At 1-Year Follow-Up <i>CPT John Dunn, MD, William Beaumont Army Medical Center, El Paso, TX</i>

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1205-1215	Discussion	Moderator:	CDR Christopher Dewing, MD
1215-1315	SOMOS Luncheon — Industry Presentations	Panelists:	<i>Christopher Harner, MD, UPMC Center for Sports Medicine, Pittsburgh, PA</i>
	Bioventus (<i>Dorado B</i>)		<i>COL (Ret) Craig R. Bottoni, MD, Tripler Army Medical Center, Honolulu, HI</i>
	Stryker Orthopaedics (<i>Palomino Ballroom 1</i>)		<i>COL Steven J. Svoboda, MD, Keller Army Community Hospital/United States Military Academy, West Point, NY</i>
	Tenex Health (<i>Palomino Ballroom 2</i>)		
General Session 8: SOMOS Business Meeting and Guest Speaker		1440-1450	Discussion
Moderator:	CDR John-Paul Rue, MD	General Session 9: Sports Lower Extremity	
1315-1330	SOMOS Business Meeting <i>(All Active SOMOS Members Invited To Attend)</i>	Civilian Moderator:	Christopher Harner, MD
1330-1350	Guest Speaker Warrior For Freedom: Challenge, Triumph, And Change <i>Major (Ret) Ed Pulido, Folds of Honor Foundation, Edmond, OK</i>	Military Moderator:	COL Steven J. Svoboda, MD
1350-1355	Break	1450-1455	Anterior Cruciate Ligament Deficiency Does Not Affect Stress Radiograph Validity In Posterolateral Corner Injuries <i>LCDR Lucas S. McDonald, MD, Naval Medical Center San Diego, San Diego, CA</i>
Symposium 7: Sports/Lower Extremity		1455-1500	Prospective Evaluation Of Acute ACL Reconstructions Using Patellar Tendon Autograft <i>CPT Jay B. Cook, MD, Tripler Army Medical Center, Honolulu, HI</i>
Moderators:	COL Steven J. Svoboda, MD CDR Christopher Dewing, MD	1500-1505	Analysis Of ACL Reconstruction Outcomes In A Military Population At A Single Center <i>LCDR Paul Metzger, MD, US Naval Hospital, Okinawa, Japan</i>
1355-1420	How I Manage The Multiligament Injured Knee <i>Christopher Harner, MD, UPMC Center for Sports Medicine, Pittsburgh, PA</i>	1505-1510	ACL Graft Selection From The Patient's Perspective <i>CPT Anthony Barcia, MD, Tripler Army Medical Center, Honolulu, HI</i>
1420-1425	Discussion		
1425-1440	Clinical Case Panel: The Multiligamentous Knee Injury		

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1510-1515	Risk Of Anterior Cruciate Ligament Injury On Synthetic Playing Surfaces In Athletes: A Systematic Review <i>LCDR George C. Balazs, MD, United States Naval Academy, Annapolis, MD</i> <i>*Presented by CPT Alaina M. Brelin, MD</i>	1545-1550	Short-Term Survivorship With Functional Outcomes <i>MAJ Brian R. Waterman, MD, Darnall Army Medical Center, Killeen, TX</i>
1515-1520	Discussion	1550-1600	Biomechanical Strength Of Current Medial Patellofemoral Ligament Reconstruction Techniques <i>LCDR Patrick Joyner, MD, MS, Andrews Institute, Gulf Breeze, FL</i>
1520-1525	Surgical Techniques For The Reconstruction Of Medial Collateral Ligament And Posteromedial Corner Injuries Of The Knee: A Systematic Review <i>Jeffrey DeLong, BS, Medical University of South Carolina, Charleston, SC</i> <i>*Presented by MAJ Brian R. Waterman, MD</i>	1600-1605	Survivorship Of Meniscal Allograft Transplantation In A High-Demand Patient Population <i>CPT Nicholas Rensing, MD, William Beaumont Army Medical Center, El Paso, TX</i>
1525-1530	Return to Duty Rates After Multiligamentous Knee Injury <i>Capt Aaron Barrow, MD, San Antonio Military Medical Center, San Antonio, TX</i>	1605-1610	Epidemiology Of Isolated Meniscus Tears In Young Athletes <i>MAJ Brendan D. Masini, MD, Keller Army Hospital, West Point, NY</i>
1530-1535	Adjunctive Tibial Tubercle Osteotomy For Patellofemoral Chondral Defects <i>CPT Tuesday Fisher, MD, William Beaumont Army Medical Center, El Paso, TX</i>	1610-1615	Meniscal Repair In The Active Duty Population At A Military Medical Center <i>CPT Joseph Galvin, DO, Madigan Army Medical Center, Fort Lewis, WA</i>
1535-1540	Epidemiology Of Chondromalacia Of The Patella In An Active Military Population <i>CPT Nathaniel Watts, DO, William Beaumont Army Medical Center, El Paso, TX</i>	1615-1620	Return To Play Following Concussion At A Military Service Academy <i>LtCol Darren Campbell, MD, The United States Air Force Academy, Colorado Springs, CO</i>
1540-1545	Particulated Juvenile Articular Cartilage Allograft For Treatment Of Chondral Defects Of The Knee:	1620-1625	Geographic Variation In Injury Incidence Rate Reporting <i>LCDR George C. Balazs, MD, United States Naval Academy, Annapolis, MD</i>
		1625-1630	Contemporary Epidemiology Of Lower Extremity Stress Fractures In The United States Military <i>CPT Baris Gun, DO, William Beaumont Army Medical Center, El Paso, TX</i>

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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 Medicine**
*MAJ Jeanne Patzkowski, MD, Keller
Army Community Hospital, West
Point, NY*
*E'Stephan J. Garcia, MD, Keller
Army Community Hospital, West
Point, NY*

1750-1850 **Multimedia Education Session**
(Palomino Ballrooms 4-6 Foyer)

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0001-2400	Speaker Ready Area (<i>Palomino Ballrooms 4-6 Foyer</i>)	Army (<i>Palomino Ballrooms 8-10</i>) COL Phillip J. Belmont Jr., MD, El Paso, TX
0600-0700	Scientific Poster Session (<i>Palomino Ballrooms 4-6 Foyer</i>) Note: Presenters will be available to answer questions.	Navy (<i>Palomino Ballroom 6-7</i>) CAPT Eric Hofmeister, MD, San Diego, CA
0630-0715	Service Breakouts <i>Air Force (Palomino Ballroom 1)</i> Joseph T. Gower, MD, Fort Sam Houston, TX	0715-0730 Refreshment Break (<i>Palomino Ballrooms 4-5</i>)

Concurrent Instructional Course Lecture 1: From Downrange To Databases: How To Conduct And Collaborate For Successful Military/Civilian Research (*Palomino Ballrooms 8-10*)

Moderator: LTC Benjamin K. Potter, MD

0730-0745	Funding For Research In The Military <i>Brig Gen Michael J. Yaszemski, MD, Mayo Clinic, Rochester, MN</i>
0745-0800	The ORS: Avenues For Funding, And What You Need To Know To Be A Successfully Clinician Scholar <i>Regis J. O'Keefe, MD, PhD, Washington University School of Medicine, St. Louis, MO</i>
0800-0815	How To Build A Successful Research Collaboration <i>CAPT (Ret) Michael J. Bosse, MD, Carolinas Medical Center, Charlotte, NC</i>
0815-0830	Panel Discussion
0830-0845	Refreshment Break (<i>Palomino Ballrooms 4-5</i>)

Concurrent Instructional Course Lecture 2: Leadership and Education in Orthopaedics (*Palomino Ballrooms 6-7*)

Moderator: CDR John-Paul Rue, MD

0730-0745	Academic And Educational Development: The RUSH Experience <i>Bernard R. Bach Jr., MD, Rush University Medical Center, Chicago, IL</i>
0745-0800	Leadership And Educational Insights In Orthopaedics And Applications In The Military <i>COL (Ret) Dean C. Taylor, MD, Duke University Medical Center, Durham, NC</i>
0800-0810	Lessons Learned In Military And Civilian Practice <i>COL (Ret) James R. Ficke, MD, Johns Hopkins University, Baltimore, MD</i>
0810-0820	Navigating The Military Officer Development System: Pearls For Success <i>Brig Gen Kory G. Cornum, MD, Scott Air Force Base, IL</i>
0820-0830	Panel Discussion
0830-0845	Refreshment Break (<i>Palomino Ballrooms 4-5</i>)

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Concurrent Session 10A: Basic Science/Tumor (Palomino Ballrooms 8-10)

Civilian Moderator: Regis J. O'Keefe, MD, PhD
Military Moderator: LTC Benjamin K. Potter, MD

- 0845-0910 Progenitor Cells And Tissue Injury And Repair Processes
Regis J. O'Keefe, MD, PhD, Washington University School of Medicine, 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 $\alpha 2\beta 1$ Integrin
LT Patrick E. 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 Electrospun Collagen Nanofiber Increases The Isolation And Proliferation Of Mesenchymal Progenitor Cells Following Orthopaedic Trauma
LT Patrick E. Jones, MD, Walter Reed National Military Medical Center, Bethesda, MD

Concurrent Session 10C: Hand and Education (Palomino Ballrooms 6-7)

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

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Concurrent Session 10A *con't*

0935-0945	Discussion
0945-0950	Variance Of Matrix Metalloproteinases (MMP) And Tissue Inhibitor Of Metalloproteinases (TIMP) Concentrations In Activated, Concentrated Platelets From Healthy Male Donors <i>CPT Justin M. Hire, MD, Dwight D. Eisenhower Army Medical Center, Fort Gordon, GA</i>
0950-0955	TGF- β 2 Gene Expression At The Time Of Injury May Be Predictive Of The Severity Of Heterotopic Ossification Development <i>LT Patrick E. Jones, MD, Walter Reed National Military Medical Center, Bethesda, MD</i> <i>*Presented by CPT Ronald Goodlett, MD</i>
0955-1000	The Validity Of A Rat Model For Analyzing Mirna In Chondrosarcoma <i>Col (Ret) Theodore W. Parsons III, MD, FACS, Henry Ford Hospital, Detroit, MI</i>
1000-1005	Femoral Head Anteversion Relative To The Linea Aspera: Axial CT For Orientation Of Endoprosthetic Reconstruction <i>Capt Brad Hyatt, MD, San Antonio Military Medical Center, Ft. Sam Houston, TX</i>
1005-1010	Discussion

Concurrent Session 10C *con't*

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 <i>MAJ Fred O'Brien, MD, Curtis National Hand Center, Baltimore, MD</i>
0945-0950	Distal Humeral Hemiarthroplasty: Indications, Results, And Complications. A Systematic Review <i>CPT John Dunn, MD, William Beaumont Army Medical Center, El Paso, TX</i>
0950-1000	Discussion
1000-1005	Positional Tension Of The Ulnar Nerve After Decompression Procedures <i>CPT John Dunn, MD, William Beaumont Army Medical Center, El Paso, TX</i>
1005-1010	A Vascularized Elbow Allotransplantation Model In The Rat <i>LCDR Scott M. Tintle, MD, University of Pennsylvania, Philadelphia, PA</i>
1010-1015	The Effect Of Below-Elbow Immobilization On Driving Performances <i>Capt Aaron Barrow, MD, San Antonio Military Medical Center, San Antonio, TX</i>
1015-1020	Dorsal Screw Penetration With The Use Of Volar Plating Of Distal Radius Fractures: How Can You Best Detect? <i>CAPT Irshad Shakir, MD, Saint Louis University Hospital, Saint Louis, MO</i>

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Concurrent Session 10B: Pediatrics (Palomino Ballrooms 8-10)

Civilian Moderator:	Anthony Riccio, MD
Military Moderator:	LCDR Terrance D. Anderson, MD
1010-1035	The Dedicated Pediatric Orthopaedic Traumatologist: The Next Step In Providing The Best Care For Injured Children? <i>Anthony Riccio, MD, Texas Scottish Rite Hospital, Dallas, TX</i>
1035-1040	Discussion
1040-1045	Functional Outcomes Following Operative Treatment Of Tibial Tubercle Fractures <i>Anthony Riccio, MD, Children's Medical Center, Dallas, TX</i> <i>*Presented by Robert L. Wimberly, MD</i>
1045-1050	All Lateral Versus Medial And Lateral Retrograde Flexible Intramedullary Nails For The Treatment Of Pediatric Femoral Shaft Fractures <i>MAJ Jason M. Cage, DO, Tripler Army Medical Center, Honolulu, HI</i>
1050-1055	Bone Behavior With Limb Length Discrepancy Treated With Guided Growth Plates <i>COL (Ret) Kathleen McHale, MD, Inova Health Systems/Walter Reed National Military Medical Center, Bethesda, MD</i>
1055-1100	Treatment Of Blount's Disease In Obese Adolescents <i>CAPT William Hennrikus, MD, Penn State College of Medicine, Hershey, PA</i>

Concurrent Session 10C *con't*

1020-1025	Biomechanical Study Of Olecranon Plate Fixation In Comminuted Osteoporotic Fracture Model: Locking Compression Plates Vs. Dynamic Compression Plates <i>CAPT Irshad Shakir, MD, Saint Louis University Hospital, Saint Louis, MO</i>
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 <i>MAJ Kevin D. Martin, DO, University of Iowa, Iowa City, IA</i>
1040-1045	The Effectiveness Of Tiered Research Teams Within An Orthopaedic Surgery Residency <i>CPT Chad A. Krueger, MD, San Antonio Military Medical Center, Fort Sam Houston, TX</i>
1045-1050	Are Cell Phones A Potential Source Of Bacterial Contamination In The Operating Room? <i>CAPT Irshad Shakir, MD, Saint Louis University Hospital, Saint Louis, MO</i>
1050-1055	Validity Of Computed Tomography In Predicting Scaphoid Screw Prominence: A Cadaveric Study <i>LT Clare Griffis, MD, Walter Reed National Military Medical Center, Bethesda, MD</i>
1055-1100	Discussion

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Concurrent Session 10B *con't*

1100-1105	Acquired Upper Extremity Growth Arrest <i>CPT Erich Gauger, MD, University of Minnesota, Minneapolis, MN</i>
1105-1110	Outcomes Of Unstable Pelvic Fractures Managed With Percutaneous Iliosacral Screws In A Pediatric Population <i>CPT Shaunette Davey, DO, William Beaumont Army Medical Center, El Paso, TX</i>
1110-1115	Pediatric Musculoskeletal Injuries Associated With Recreational Motorized Vehicle Use: Do More Wheels Mean A Safer Ride <i>Anthony Riccio, MD, Texas Scottish Rite Hospital for Children, Dallas, TX</i> <i>*Presented by Ryan Rose, MD</i>
1115-1125	Discussion

Concurrent Session 10C *con't*

1100-1115	Clinical Case Panel: Hand Transplant Outcomes And Future Of VCA
Moderator:	LCDR Scott M. Tintle, MD <i>Warren C. Breidenbach III, MD, MSc, The University of Arizona Medical Center, Tucson, AZ</i> <i>L. Scott Levin, MD, FACS, The University of Pennsylvania, Philadelphia, PA</i>
1115-1125	Discussion

1125-1225	SOMOS Luncheon Industry Presentation — Applied Biologics <i>(Palomino Ballroom 1)</i>
1225-1325	Scientific Poster Session <i>(Palomino Ballrooms 4-6 Foyer)</i> Note: Presenters will be available to answer questions.
1325-1525	Multimedia Education Session <i>(Palomino Ballrooms 4-6 Foyer)</i>

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0001-1330	Speaker Ready Area (<i>Palomino Ballrooms 4-6 Foyer</i>)	0745-0800	Game Time And Game Day Decisions: What I Really Do <i>Capt (Ret) John H. Wilckens, MD, Johns Hopkins University, Baltimore, MD</i>
0630-0730	Scientific Poster Session (<i>Palomino Ballrooms 4-6 Foyer</i>) Note: Presenters will be available to answer questions.	0800-0815	Legal Or Illegal — Supplements In Sports And The Military <i>Edward R. McDevitt, MD, Bay Area Orthopaedics, Annapolis, MD</i>
Instructional Course Lecture 3: Team Physician Update		0815-0830	What's New In Concussions <i>Lt Col C. Dain Allred, MD, United States Air Force Academy, Colorado Springs, CO</i>
Moderators:	CDR John-Paul Rue, MD COL Steven J. Svoboda, MD	0830-0845	Discussion
0730-0745	What Is A Sports Medicine Doctor, Secrets To Success <i>Bernard R. Bach Jr., MD, Rush University Medical Center, Chicago, IL</i>	0845-0900	Refreshment Break <i>(Palomino Ballrooms 4-5)</i>

Concurrent Session 11A: Foot and Ankle *(Palomino Ballrooms 8-10)*

Civilian Moderator:	Bruce Cohen, MD
Military Moderator:	COL Scott Shawen, MD
0900-0925	Ankle Instability <i>Bruce Cohen, MD, Carolinas Medical Center, Charlotte, NC</i>
0925-0930	Discussion
0930-0935	Chronic Latent Syndesmotic Instability: A Surgical Algorithm, Patient Outcomes, And Return To Activity <i>LTC Paul Ryan, MD, Tripler Army Medical Center, Honolulu, HI</i>
0935-0940	The Effectiveness Of Different Syndesmotic Reduction Techniques <i>LCDR Colin Crickard, MD, Carolinas Medical Center, Charlotte, NC</i>

Concurrent Session 11B: Spine *(Palomino Ballrooms 6-7)*

Civilian Moderator:	R. Douglas Orr, MD
Military Moderator:	MAJ Melvin D. Helgeson, MD
0900-0925	Assessment And Treatment Of Adult Sagittal Deformity <i>R. Douglas Orr, MD, Cleveland Clinic, Cleveland, OH</i>
0925-0930	Discussion
0930-0935	Revision Surgery Rates after Primary Fusion for Adolescent Idiopathic Scoliosis <i>CPT Joseph Dannenbaum, MD, Shriner's Childrens Hospital, Spokane, WA</i>
0935-0940	Validation Of The Lumbosacral Injury Classification System (LSICS) <i>LT Scott C. Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD</i>

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Concurrent Session 11A *con't*

- 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
CPT Shaunette Davey, DO, William Beaumont Army Medical Center, El Paso, TX

Concurrent Session 11B *con't*

- 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 C. 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
**Presented by CPT Peter Formby, MD*
- 1010-1015 Sacral Screw Strain In A Long Posterior Spinal Fusion Construct With Sacral Alar-Iliac (S2AI) Versus Iliac Fixation
LT Scott C. Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD

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Concurrent Session 11A <i>con't</i>		Concurrent Session 11B <i>con't</i>	
1005-1015	Discussion	1015-1020	Chain Of Compensation Related To Spino-Pelvic Mismatch: A Complete Standing Axis Investigation Including The Lower Extremities <i>Ensign Shian Liu, BS, New York University Hospital for Joint Diseases, New York, NY</i>
1015-1020	Medial Malleolar Screw Hemiepiphyodesis For Ankle Valgus Revisited <i>CPT David J. Wilson, MD, Madigan Army Medical Center, Tacoma, WA</i>	1020-1025	Persistent Axial Neck Pain After Cervical Disc Arthroplasty: A Radiographic Analysis <i>LT Scott C. Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD</i>
1020-1025	Microfracture Repair Of Osteochondral Lesions Of The Talus In The Active Duty Population At A Military Medical Center <i>CPT Andrew Jackson, MD, Madigan Army Medical Center, Tacoma, WA</i>	1025-1030	Characterization And Outcomes Of Combat-Related Spinal Cord Injuries Requiring Operative Treatment <i>CPT Gregory Van Blarcum, MD, Walter Reed National Military Medical Center, Bethesda, MD</i> <i>*Presented by CPT Peter Formby, MD</i>
1025-1030	Tubercle Views Of The Ankle <i>LCDR Colin Crickard, MD, Carolinas Medical Center, Charlotte, NC</i>	1030-1035	Outcomes Following Complex Combat-Related Lumbosacral Dissociation Injuries <i>LT Scott C. Wagner, MD, Walter Reed National Military Medical Center, Bethesda, MD</i>
1030-1035	Publication Rates Of Abstracts Presented At The American Orthopaedic Foot And Ankle Society Annual Meeting <i>Capt Ian Tuznik, MD, San Antonio Military Medical Center, Fort Sam Houston, TX</i>	1035-1040	Discussion
1035-1040	Discussion	1040-1045	Break

ABOS Board Review Course — Session 5		ABOS Board Review Course — Session 6	
1045-1145	Spine <i>MAJ Melvin D. Helgeson, MD, Walter Reed National Military Medical Center, Bethesda, MD</i>	1145-1245	Foot & Ankle <i>COL Scott Shawen, MD, Walter Reed National Military Medical Center, Bethesda, MD</i>

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