

2024 Annual Meeting Final Program*



**ASES 2024
Annual
Meeting**

**October 16-19, 2024
San Antonio, TX**

** Subject to change*

Overview

The ASES Annual Meeting in San Antonio offers a comprehensive program featuring educational sessions, symposia, and various other engaging activities. Attendees can look forward to informative discussions, networking opportunities, and the chance to learn from shoulder and elbow experts.

Learning Objectives

Upon completion of this CME activity, participants will be able to:

- Identify opportunities to implement evidence-based techniques into current practice.
- Discuss options for the treatment of complex shoulder and elbow disorders.
- Identifying strategies for improved surgical techniques and the use of appropriate technology in the treatment of the shoulder and elbow.
- Identify and evaluate approaches to improve assessment and management of elbow and shoulder disorders in the clinical setting.
- Discuss approaches to enhance the clinical diagnosis of shoulder and elbow disorders.

CME Accreditation Statement

The 2024 Annual Meeting of the American Shoulder and Elbow Surgeons 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 American Shoulder and Elbow Surgeons.

Please note that the American Shoulder and Elbow Surgeons Annual Meeting, October 16-19, 2024, in San Antonio, Texas (live activity) has been designated for a **maximum of 16.25 AMA PRA Category 1 Credits™**

Physicians should only claim the credit commensurate with the extent of their participation in the activity.

Faculty Disclosure of Relevant Financial Relationships

Many faculty members have financial relationships with ineligible companies. An ineligible company is defined as those companies whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. To ensure that these relationships do not influence our accredited educational activity, ASES requires all faculty members to disclose all relevant financial relationships with any ineligible company(ies) within the past 24 months. Disclosure includes documentation of the name of the ineligible company and the nature of the relationship. ASES subsequently identifies relevant financial relationships and mitigates such relationships prior to the individual assuming their role. All conflicts of interest potentially impacting educational content have been resolved prior to this course. Disclosure of identified financial relationships is disclosed to all learners prior to engaging in this activity.

All relevant financial relationships have been mitigated.

Thursday, October 17, 2024

6:00AM	4:30PM	Registration
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6:30AM	8:00AM	Breakfast in Exhibit Hall
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7:00AM	7:50AM	Instructional Course Lectures (Concurrent)
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Rehabbing the Arthroplasty	Michael T. Freehill, MD
Getting Elbow Arthroplasty Right: Ways to Improve Outcomes and Reduce Complications	Mark E. Morrey, MD
Shoulder Instability and Bone Loss - a Case Based Approach	William N. Levine, MD
My Arthroscopic Bankart Failed, Now What? Revision Treatment Options for Recurrent Instability Following Failed Anterior Arthroscopic Stabilization	Albert Lin, MD
Complications in Shoulder Arthroplasty: Why Did This Happen and How Do I get Out of This?	Julie Y. Bishop, MD
JSES Session: How to Review a Paper	John E. (Jed) Kuhn, MD, MS

7:50AM	8:00AM	Welcome and Announcements	John E. (Jed) Kuhn, MD, MS
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8:00AM	8:45AM	Education Session I: Shoulder Instability	Moderators	Andrew S. Neviaser, MD; Brian R. Wolf, MD, MS
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8:00AM	PAPER 1: Evaluating Long-Term Outcomes of the Latarjet Procedure	Walter Smith, MD
8:04AM	PAPER 2: Free Bone Graft Transfer Versus Latarjet Procedure for Treatment of Anterior Shoulder Instability with Glenoid Bone Loss: 5-year Follow-up of a Prospective Randomized Trial	Philipp Moroder, MD
8:08AM	PAPER 3: Distal Tibia Allograft for Recurrent Shoulder Instability: A Comparison of Open Fresh versus Arthroscopic Frozen Grafts	Justin W. Arner, MD
8:12AM	PAPER 4: The Natural History of Bone Remodeling Following Arthroscopic Distal Tibial Allograft with Suture Buttons for Recurrent Anterior Shoulder Instability - up to 5 yrs Radiological Outcomes	Ian K.Y. Lo, MD
8:16AM	PAPER 5: What Is the Most Reliable Method of Measuring Glenoid Bone Loss in Anterior Glenohumeral Instability? A Cadaveric Study Comparing Different Measurement Techniques for Glenoid Bone Loss	Sumit Ranga, BSC, MSC, MBChB, FRACS, FAOrthA
8:20AM	Q & A, Discussion	Albert Lin, MD, Peter B. MacDonald, MD, FRCSC, Gabriella E. Ode, MD, Andrew J. Sheean, MD, John M. Tokish, MD
8:27AM	Case-Based Panel Discussion	Panelists

8:45AM	9:45AM	Symposium 1: Throwing Elbow/Shoulder: From Soup to Nuts	Moderator	Felix H. (Buddy) Savoie III, MD
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8:45AM	Why Apes Can't Throw	Heinz R. Hoenecke, MD
8:51AM	Etiology	W. Benjamin Kibler, MD
8:57AM	Capsulolabral Pathology	Michael J. O'Brien, MD
9:03AM	UCL – When to Reconstruct, When to Repair?	Michael T. Freehill, MD
9:09AM	Non-Operative Treatment of Elbow Pain in the Throwing Athlete	Eric N. Bowman, MD, MPH
9:15AM	Q&A, Discussion	
9:25AM	Case-Based Panel Discussion	

9:45AM	10:15AM	Break
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10:15AM	11:00AM	Education Session II: Sports Elbow (Concurrent)	Moderators	Eric N. Bowman, MD, MPH, Michael T. Freehill, MD
10:15AM		PAPER 6: Return to Performance Following UCL Surgery in Major League Baseball Pitchers		Alexander J. Rondon, MD
10:19AM		PAPER 7: Fresh Osteochondral Allograft Transplantation of the Capitellum for the Treatment of Osteochondritis Dissecans		Raffy Mirzayan, MD
10:23AM		PAPER 8: Long-Term Outcomes of Osteochondral Autologous Transplantation Surgery in Adolescent Athletes with Capitellar Osteochondritis Dissecans		Robert N. Hotchkiss, MD
10:27AM		PAPER 9: Pitching Biomechanical Changes During Long Innings of a Division-I Collegiate Baseball Game		Michael T. Freehill, MD
10:31AM		PAPER 10: Osteochondral Defects Show Location and Size Dependent Adverse Consequences in Valgus Angulation and Radiocapitellar Contact Characteristics with an intact UCL		Thay Q. Lee, PhD
10:35AM		Q&A, Discussion		
10:42AM		Case-Based Panel Discussion	Panelists	John Conway, MD, Matthew L. Ramsey, MD
10:15AM	11:00AM	Education Session III: Candidate (Concurrent)	Moderators	Jeffrey S. Abrams, MD, W.Z. (Buz) Burkhead, Jr., MD
10:15AM		PAPER 11: Does Cutibacterium Skin Load Impact the Outcome of Ream-and-Run Arthroplasty?		Corey J. Schiffman, MD
10:19AM		PAPER 12: Total Shoulder Arthroplasty for Glenohumeral Arthritis Associated with Posterior Glenoid Bone Loss: Midterm Results of an All-Polyethylene Posteriorly Augmented Glenoid Component		Dennis A. DeBernadis, DO
10:23AM		PAPER 13: Patient Satisfaction and Clinical Outcomes Utilizing a Patient Care Coordination Team to Support Same Day Discharge Following Shoulder Arthroplasty		Melissa A. Wright, MD
10:27AM		PAPER 14: Single-Shot Liposomal Bupivacaine Interscalene Nerve Block Provides Equivalent Pain Relief Compared to Continuous Catheter Interscalene Nerve Block for Arthroscopic Rotator Cuff Repair: A Randomized Controlled Trial		Adam Z. Khan, MD
10:31AM		PAPER 15: Solid Organ Transplant Patients Do Well After Shoulder Arthroplasty: A Propensity Matched Analysis		Ryan C. Rauck, MD
10:35AM		Q & A, Discussion		
10:42AM		Panel Discussion - My Most Challenging Situation in Early Practice	Panelists	Frances Cuomo, MD, Xavier A. Duralde, MD, PhD, William N. Levine, MD, Frederick A. Matsen, III, MD, Anthony A. Romeo, MD
11:00AM	12:00PM	Symposium 2: Goals for Pain Management in Shoulder Surgery	Moderator	Joseph A. Abboud, MD
11:00AM		My Goal is No Narcotics		Nady Hamid, MD
11:07AM		My Goal is Outpatient Surgery		Thomas W. (Quin) Throckmorton, MD
11:14AM		My Goal is Cost Savings		H. Mike Kim, MD
11:21AM		My Goal is Patient Satisfaction		Eric T. Ricchetti, MD
11:28AM		My Goal is to Predict Who Will Have High Pain		Vani J. Sabesan, MD
11:35AM		Q&A, Discussion		
11:45AM		Case-Based Panel Discussion with Speakers		
12:00PM	1:00PM	Industry Lunch Workshops		

1:00PM	1:30PM	Charles S. Neer II Lecture: The Humorous Component of Learning and Life		W.Z. (Buz) Burkhead, Jr., MD
1:30PM	2:00PM	Symposium 3: Value-Based Shoulder Care	Moderator	Ranjan Gupta, MD Peter B. MacDonald, MD, FRCSC, Jon J.P. Warner, MD, Zeev Kain, MD, MBA
2:00PM	2:45PM	Symposium 4: ASES Multicenter Study Groups: Where We Are and What We Have Learned (Concurrent)	Moderator	John E. (Jed) Kuhn, MD, MS
		Discussion of UW - Multicenter Study		Jason E. Hsu,MD
		Discussion of NEBH - Multicenter Study		Andrew Jawa, MD
		Discussion of UF - Multicenter Study		Joseph J. King, III, MD
		Discussion of Cleveland Clinic - Multicenter Study		Eric T. Ricchetti, MD
2:00PM	2:45PM	Humeral Reconstruction Considerations in Shoulder Arthroplasty - An Immersive Virtual Reality Experience (Concurrent)	Moderators	Grant E. Garrigues, MD, Christopher S. Klifto, MD, Jay M. Levin, MD, MBA Joaquin Sanchez-Sotelo, MD, PhD
2:45PM	2:55PM	Foundation Presentation		
2:55PM	3:15PM	Advocacy Session		
3:15PM	4:00PM	ASES Business Meeting		
3:15PM	4:30PM	Wine & Cheese & Posters		
6:00PM	9:00PM	Fellows Dinner Event		
6:00PM	9:30PM	Neer Circle/Guest Nation Dinner		

Friday, October 18, 2024				
6:00AM	4:30PM	Registration		
6:30AM	8:00AM	Breakfast in Exhibit Hall		
6:30AM	7:55AM	Women in Shoulder & Elbow Surgery Breakfast		
7:00AM	7:55AM	Instructional Course Lectures (Concurrent)		
		Opioids in Shoulder Surgery: Risk Factors, Management, and Future Directions		Anshuman Singh, MD
		Complex Elbow Instability Patterns and Their Management in 2024		Armin Badre, MD
		All You Need to Know about Stemless Reverse Shoulder Arthroplasty		Pierre Metais, MD
		Treatment of Rotator Cuff Tears: Around the World		Jon J.P. Warner, MD
		From Partial Thickness to Irreparable		
		Optimizing Rotator Cuff Healing in Challenging		Robert Z. Tashjian, MD
		Rotator Cuff Tears in 2024		
7:55AM	8:00AM	Welcome and Announcements		Carolyn M. Hettrich, MD, MPH, Michael S. Khazzam, MD, Edwin E. Spencer, Jr., MD
8:00AM	8:45AM	Education Session IV: Rotator Cuff	Moderators	Warren R. Dunn, MD, MPH, Lessa M. Galatz, MD
8:00AM		PAPER 16: Comparison of Non-augmented versus Augmented Double-Row Rotator Cuff Repair with a Bioinductive Collagen Implant versus Acellular Dermal Allograft		Robert J. Gillespie, MD
8:04AM		PAPER 17: Augmentation with a Bioinductive Collagen Implant of a Posterosuperior Cuff Repair Decreases Failures at Two-Year Follow-up. A Randomized Controlled Trial.		Miguel Ruiz Iban, MD
8:08AM		PAPER 18: Two-Year Functional, Radiologic and Electromyographic Outcomes After Arthroscopically Assisted Lower Trapezius Transfer		Robert Z. Tashjian, MD
8:12AM		PAPER 19: Cost Drivers for Single-Tendon Rotator Cuff Repair: Day-of-Surgery Time-Driven Activity-Based Costing Analysis		Allison J. Rao, MD
8:16AM		PAPER 20: Familial Heritability of Rotator Cuff Tears		Nitin Jain, MD
8:20AM		Q & A, Discussion		
8:27AM		Case-Based Panel Discussion	Panelists	Julie Y. Bishop, MD, Jonathan T. Bravman, MD, Frank A. Cordasco, MD, MS, John E. (Jed) Kuhn, MD, MS, Nata Z. Parnes, MD
8:45AM	9:45AM	Symposium 5: How to Address Proximal Humeral Bone Loss and Deformity	Moderator	Gregory P. Nicholson, MD
8:45AM		Classification of Proximal Humeral Bone Loss		Peter N. Chalmers, MD
8:51AM		Results of Megaprosthesis and Importance of Deltoid Wrap		Thomas W. Wright, MD
8:57AM		Results and Tips for APC		Mark A. Frankle, MD
9:03AM		Proximal Humeral Malunion – How to Approach and Treat		Edwin E. Spencer, Jr. MD
9:09AM		Q&A, Discussion		

9:15AM	Case-Based Panel Discussion	Panelists	George S. Athwal, MD, FRCSC, Joseph P. Iannotti, MD, PhD, Andrew S. Neviaser, MD, Scott P. Steinmann, MD
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9:45AM	10:15AM Break
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10:15AM	11:00AM	Education Session V: Total Shoulder Arthroplasty (Concurrent)	Moderators	Oke A. Anakwenze, MD, MBA, Anthony Miniaci, MD, FRCSC
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10:15AM	PAPER 21: Outcomes of pyrolytic carbon humeral resurfacing hemiarthroplasty compared to best in class total shoulder arthroplasty in young patients with osteoarthritis: analysis from the Australian Orthopaedic Association National Joint Replacement Registry.		Andrew McBride, MBBS, FRACS
10:19AM	PAPER 22: A Unique Convertible Hybrid Glenoid Component in Anatomic Shoulder Arthroplasty: 5-7 Year Outcome Data		Patrick M. Connor, MD
10:23AM	PAPER 23: Humeral Stress Shielding and Adaptive Changes at a Mean of 7 Years After Anatomic Shoulder Arthroplasty: What is the Clinical Significance and with What are They Associated?		Mihir M. Sheth, MD
10:27AM	PAPER 24: 5-Year Clinical and Radiographic Outcomes of Pyrocarbon Hemiarthroplasty for Glenohumeral Arthritis and Avascular Necrosis		B. Gage Griswold, MD
10:31AM	PAPER 25: Anatomic Versus Reverse Total Shoulder Arthroplasty for Primary Osteoarthritis with an Intact Rotator Cuff: A Mid-Term Comparison of Early Top Performers		Bradley S. Schoch, MD
10:35AM	Q&A, Discussion		
10:42AM	Technique Debate amongst Panel		
	Augmented Glenoid TSA	Panelist	Gerald R. Williams, Jr., MD
	Inset Glenoid TSA	Panelist	Christopher R. Chuinard, MD, MPH
	Augmented Baseplate TSA	Panelist	Anand M. Murthi, MD

10:15AM	11:00AM	Education Session VI: Elbow Arthroplasty (Concurrent)	Moderators	Jonathan D. Barlow, MD, MS, Mark E. Morrey, MD
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10:15AM	PAPER 26: If I Replace These Bushings, How Long Will They Last? An Analysis of 58 Isolated Coonrad-Morrey Isolated Bushing Exchanges With 21 Year Average Follow-up		Tristan B. Weir, MD
10:19AM	PAPER 27: Evaluation of Radiograph Parameters in Detecting Prosthetic Overlengthening During Radial Head Arthroplasty		Andrew M. Valiquette, MD, MBA
10:23AM	PAPER 28: Modified Frailty Index as a Risk Assessment Tool for Patients Undergoing Total Elbow Arthroplasty		Zachary R. Zimmer, MD
10:27AM	PAPER 29: Cell Count and Differential of Aspirated Fluid in the Diagnosis of Periprosthetic Joint Infection of Total Elbow Arthroplasty		Mark E. Morrey, MD
10:31AM	PAPER 30: Outcomes of Revision Total Elbow Arthroplasty with Bone Loss with Allograft-Prosthetic Composite, Strut Allograft, or Megaprosthesis		Jie. J. Yao, MD
10:35AM	Q & A, Discussion		
10:42AM	Technique Debate amongst Panel		

	Conservative Care/Debridement	Panelist	Scott P. Steinmann, MD
	Total Elbow Arthroplasty	Panelist	Bernard F. Morrey, MD
	Interposition Arthroplasty	Panelist	Robert N. Hotchkiss, MD

11:00AM	12:00PM	Symposium 6: Infection in Shoulder Surgery: State of the Art in 2024	Moderator	Grant E. Garrigues, MD
11:00AM		What Preoperative Prep is Best?		Jason E. Hsu, MD
11:05AM		Intra-operative Measures to Prevent Infection		Surena Namdari, MD, MSc
11:10AM		Are Men Different than Women?		Dominique Rouleau, MD
11:15AM		What Intraoperative Antibiotic is Best?		Michael S. Khazzam, MD
11:20AM		If Infection is Suspected, How is this Best Diagnosed?		Eric T. Ricchetti, MD
11:25AM		Single vs. 2 Stage Revision		Frederick A. Matsen, III, MD
11:30AM		Q&A, Discussion		
11:40AM		Case-Based Panel Discussion with Speakers		

12:00PM	1:00PM	Industry Lunch Workshops
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1:00PM	1:30PM	Ernest A. Codman Lecture: E. Amory Codman: The End Result of a Life in Medicine	William J. Mallon, MD
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1:30PM	2:15PM	Education Session VII: Revision Shoulder Arthroplasty (Concurrent)	Moderators	Kevin J. Cronin, MD, Evan L. Flatow, MD
1:30PM		PAPER 31: Functional Composite Spacer (Antibiotic Cement Around a Hemiarthroplasty) for the Treatment of Shoulder Infections: Minimum 5 - Year Outcomes		Casey M. Beleckas, MD, MS
1:34PM		PAPER 32: - Effectiveness of the Lower Trapezius Tendon Transfer with Tendon-Bone Allograft versus the Latissimus Dorsi Transfer in Reverse Total Shoulder Arthroplasty in Proximal Humeral Bone Loss		Eugene Ek, MBBS, PhD, FRACS
1:38PM		PAPER 33: The Role of Index Humeral Stem Length in Outcomes after Revision to Reverse Shoulder Arthroplasty		Liam T. Kane, MD
1:42PM		PAPER 34: Assessment of Periprosthetic Joint Infection in Revision Shoulder Arthroplasty		Christopher S. Klifto, MD
1:46PM		PAPER 35: Lower Trapezius Transfer (LTT) Performed at the Time of Reverse Shoulder Arthroplasty (RSA) with an Allograft-Prosthetic Composite (APC) Can Restore Active External Rotation in Shoulders with Posterosuperior Cuff Deficiency and Humeral Bone Loss		Christopher M. Hart, MD
1:50PM		Q&A, Discussion		
1:57PM		Case-Based Panel Discussion	Panelists	George S. Athwal, MD, FRCSC, Jonathan C. Levy, MD, Tom R. Norris, FACS, MD, J. Michael Wiater, MD

1:30PM	2:15PM	Education Session VIII: Proximal Humerus Fractures (Concurrent)	Moderators	Catherine J. Fedorka, MD, Jay D. Keener, MD
1:30PM		PAPER 36: Uncemented Versus Cemented Humeral Fixation in Reverse Shoulder Arthroplasty for Proximal Humerus Fractures in the Elderly: A Multicenter Retrospective Cohort Study		Stephanie J. Muh, MD

1:34PM	PAPER 37: Comparison of Reverse Shoulder Arthroplasty For Fracture Sequelae With vs. Without Tuberosity Osteotomy	Ryan M. Cox, MD
1:38PM	PAPER 38: Survivorship of Early vs. Late Total Shoulder Arthroplasty After Proximal Humerus Fractures	Mandeep S. Virk, MD
1:42PM	PAPER 39: Conserve or Reverse? Outcomes of Conservative Treatment versus Reverse Shoulder Arthroplasty in displaced 3- & 4-part proximal humeral fractures	Peter Domos, MD, FRCS
1:46PM	PAPER 40: Low Glenoid Vault Bone Density is a Risk Factor for Failure of Proximal Humerus Fracture Fixation	Michael L. Knudsen, MD
1:50PM	Q&A, Discussion	
1:57PM	Case-Based Panel Discussion	Panelists Michael C. Cusick, MD, Gregory L. Cvetanovich, MD, Niloofer Dehghan, MD, MSc, Stephanie J. Muh, MD

2:15PM	2:30PM	Guest Nation President's Lecture	Professor Mark Ross, MBBS, FRACS
2:30PM	3:00PM	ASES Presidential Address & Gavel Passing	John E. (Jed) Kuhn, MD, MS, Joaquin Sanchez-Sotelo, MD, PhD
3:00PM	3:15PM	ASES Award Ceremony	John E. (Jed) Kuhn, MD, MS
3:15PM	4:00PM	ASES Business Meeting	
3:15PM	4:30PM	Friday Fiesta	
4:30PM	5:30PM	Mentor & Mentee Happy Hour	
6:30PM	10:00PM	Buckhorn Bash	

Saturday, October 19, 2024

6:00AM	12:00PM	Registration		
6:30AM	8:00AM	Breakfast in Exhibit Hall		
6:30AM	8:00AM	Award Winner/Grant Recipients Breakfast		
7:00AM	7:55AM	Instructional Course Lectures (Concurrent)		
		Sustainability & Innovation in Shoulder Surgery: When Less is More	Umasuthan Srikumaran, MD, MBA, MPH	
		Current Concepts: The Role of the Biceps and Biceps Tenodesis in the Throwing Athlete	W. Benjamin Kibler, MD	
		Navigating Social Media and Online Branding for Shoulder and Elbow Surgeons	Hafiz F. Kassam, MD	
		Complex Revision Arthroplasty Decision Making: A Case Based ICL	James D. Kelly, II, MD	
		Innovations From Across the Pond - Australian Advances in Shoulder Care	Professor Michael Sandow, MD, FRACS	
7:55AM	8:00AM	Welcome and Announcements	Carolyn M. Hettrich, MD, MPH, Michael S. Khazzam, MD, Edwin E. Spencer, Jr., MD	
8:00AM	8:45AM	Education Session IX: Reverse Shoulder Arthroplasty	Moderators	David M. Dines, MD, Andrew Jawa, MD
8:00AM		PAPER 41: Five-year Outcomes Analysis of Stemless Anatomic and Reverse Shoulder Arthroplasty in Patients under 55 years of age with Primary Glenohumeral Osteoarthritis	Ashish Gupta, FRACS, MBBS, MSc	
8:04AM		PAPER 42: Reverse Total Shoulder Arthroplasty with Lower Trapezius Transfer for Combined Loss of Elevation and External Rotation	Gregory P. Nicholson, MD	
8:08AM		PAPER 43: Surgical and Patient Factors Associated with Baseplate Failure After Reverse Shoulder Arthroplasty: A Study by the ASES Complications of RSA Multicenter Research Group	Andrew Jawa, MD	
8:12AM		PAPER 44: Acute Open Reduction and Internal Fixation versus Non-Operative Management of Displaced Scapular Spine Insufficiency Fractures after Reverse Shoulder Replacement	George S. Athwal, MD, FRCS	
8:16AM		PAPER 45: Conjoint Tendon Lengthening Results in Improved Internal Rotation and Pain Following Reverse Shoulder Arthroplasty: A Combined Randomized Clinical Trial and Biomechanical Study	H. Mike Kim, MD	
8:20AM		Q & A, Discussion		
8:27AM	8:45AM	Technique Debate		
8:27AM		Inset	Mark A. Frankle, MD	
8:33AM		Onset	Thomas W. Wright, MD	
8:39AM		Voting and Discussion		
8:45AM	9:45AM	Symposium 7: Unstable Reverse Shoulder Arthroplasty	Moderator	T. Bradley Edwards, MD

8:45AM	What are the predictors/causes of Instability following RSA?		Andrew Jawa, MD
8:51AM	How do you classify the unstable RSA, and does this guide management?		Randall J. Otto, MD
8:57AM	Effect of Implant Design on Stability		Carolyn M. Hettrich, MD, MPH
9:03AM	Q&A, Discussion		
9:09AM	Case-Based Panel Discussion	Panelists	April D. Armstrong, MD, FRCSC, Ian R. Byram, MD, Sara L. Edwards, MD, Mark A. Mighell, MD

9:45AM	10:15AM	Break	
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10:15AM	11:00AM	Education Session X: Shoulder & Elbow Medley (Concurrent)	Moderators	Robert H. Brophy, IV, MD Felix H. (Buddy) Savoie, III, MD
10:15AM		PAPER 46: Professional Fee Reimbursement for Shoulder Surgeries Performed at Ambulatory Surgery Centers Fail to Keep Pace with Inflation		Grant E. Garrigues, MD
10:19AM		PAPER 47: Stemless reverse total shoulder arthroplasty for glenohumeral arthritis with massive rotator cuff tears: two-year results of a prospective, multi-center, historically controlled trial		Howard W. Harris, MD
10:23AM		PAPER 48: Outcomes of Scapulothoracic Fusion Using Non-Absorbable Cerclage Tape Fixation		Ryan Lohre, MD
10:27AM		PAPER 49: Liposomal Bupivacaine + Bupivacaine Versus Bupivacaine Interscalene Nerve Block Effect on Pain After Rotator Cuff Repair: A Randomized Control Trial		Catherine J. Fedorka, MD
10:31AM		PAPER 50: Contaminant, colonization, or infection? Cutibacterium-Specific Assays to the Rescue		Alexander W. Aleem, MD
10:35AM		Q&A, Discussion		
10:42AM		Case-Based Panel Discussion	Panelists	Alexander W. Aleem, MD, Catherine J. Fedorka, MD, Grant E. Garrigues, MD, Howard W. Harris, MD, Ryan Lohre, MD

10:15AM	11:00AM	Education Session XI: Elbow Fractures (Concurrent)	Moderators	David C. Ring, MD, PhD, Jennifer Tangtiphaiboontana, MD
10:15AM		PAPER 51: Elbow Hemiarthroplasty for Distal Humerus Fractures		Yousif Atwan, MD, FRCSC
10:19AM		PAPER 52: Headless Compression Screw Versus Locking Plate In 3-Part Radial Head and Neck Fracture Fixation: A Biomechanical Cadaver Study		Dave R. Shukla, MD
10:23AM		PAPER 53: Primary Total Elbow Arthroplasty for Treatment of Distal Humerus Fractures has Lower Risk of Revision Arthroplasty Compared to Salvage TEA After Failed Fracture Fixation		Niloofer Dehghan, MD, MSc, FRCSC

10:27AM		PAPER 54: Management Protocol and Outcomes of Isolated Coronoid Fractures Based on Detailed Radiographic Assessment for Features of PMRI Using 3D CT with Humeral Subtraction Views		Armin Badre, MD, MSc, FRCSC
10:31AM		PAPER 55: Distal Humeral Hemiarthroplasty Compared to Total Elbow Replacement for Distal Humeral Fractures: A Registry Analysis of 906 Procedures		Fraser Taylor, BSc, MBChB, FRACS, FAOA
10:35AM		Q & A, Discussion		
10:42AM		Case-Based Panel Discussion	Panelists	Yousif Atwan, MD, FRCSC, Michael D. McKee, MD, Mark A. Morrey, MD, Fraser Taylor, BSc, MBChB, FRACS, FAOA
11:00AM	11:30AM	Bernard F. Morrey Lecture: Update on the Tommy John UCL Procedure		James R. Andrews, MD
11:30AM	11:45AM	Neer Circle Consensus Statement: Glenohumeral Arthritis		Andrew Green, MD, Thomas W. (Quin) Throckmorton, MD
11:45AM	12:00PM	SECEC Lecture: Elbow Injuries in Athletes		Roger van Riet, BSc, MD, PhD
12:00PM	12:45PM	Education Session XII: Rotator Cuff - Predictors of Outcome	Moderators	Joseph P. DeAngelis, MD, MBA, Adam J. Seidl, MD
12:00PM		PAPER 56: Surgeons Underestimate and Patients Overestimate 1-year SANE Score Following Rotator Cuff Repair Surgery		Peter B. MacDonald, MD, FRCSC
12:04PM		PAPER 57: Prospective Evaluation of Arthroscopic Rotator Cuff Repairs at a Minimum of 15 years: Functional Outcomes and Radiographic Healing Rates.		Lawrence V. Gulotta, MD
12:08PM		PAPER 58: Patient, Imaging, and Surgical Factors Associated with Re-Tear Pattern After Cuff Repair		Peter N. Chalmers, MD
12:12PM		PAPER 59: Predicting Good Clinical Outcomes After Repair of Recurrent Rotator Cuff Tears: Revision Repair Predictive Score		Maxime Antoni, MD
12:16PM		PAPER 60: Associations of Preoperative Patient Mental Health Status, Sociodemographic and Clinical Characteristics with Baseline Pain, Function and Satisfaction in Patients Undergoing Revision Rotator Cuff Repairs		Philipp N. Streubel, MD
12:20PM		Q&A, Discussion		
12:27PM		Debate amongst the panel		
		No, Rotator Cuff Repair does not change the natural history of cuff disease		Peter N. Chalmers, MD
		Yes, Rotator Cuff Repair does change the natural history of cuff disease		Jay D. Keener, MD
		Voting and Discussion		
12:45PM	12:50PM	Closing Remarks/Adjournment		Carolyn M. Hettrich, MD, MPH, Michael S. Khazzam, MD, Edwin E. Spencer, Jr., MD