# **MARCH 8, 2008** THE MOSCONE CENTER ESPLANADE 301, 303, 305

# AMERICAN SHOULDER AND

# **ELBOW SURGEONS**



#### ACCREDITATION

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the American Academy of Orthopaedic Surgeons and the American Shoulder and Elbow Surgeons.

The American Academy of Orthopaedic Surgeons is accredited by the ACCME to sponsor continuing medical education for physicians.

#### **CME CREDIT**

The American Academy of Orthopaedic Surgeons designates this educational activity for a maximum of 7.5 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

#### **OBJECTIVES**

Upon completion of this program, participants should be able to:

- Review basic science and orthopaedic problems relative to the shoulder and elbow.
- · Examine the indications, techniques and results of various surgical procedures.
- Describe the management of common orthopaedic problems relative to the shoulder and elbow.
- Permit expert panelists to put new technologies into perspective.

### Gregory P. Nicholson, MD, Program Chair

	SESSION I: TRAUMA	8:15-8:30 am
	Moderator: Guido Marra, MD	8:30-9:15 am
Paper #1		0.50-9.15 am
7:30-7:35 am	Treatment of Traumatic Posterior Sternoclavicular Dislocation Michael A. Wirth, MD, Gordon I. Groh, MD, Charles A. Rockwood, Jr., MD	
Paper #2		
7:35-7:40 am	Complications of Proximal Humeral Locked Plating Anand M. Murthi, MD, Bryan Butler, MD	
Paper #3		
7:40-7:45 am	The Importance of Centering of the Humeral Head in Acute Fracture Arthroplasty related to the Healing of the Greater Tuberosity <i>Peter Habermeyer, Prof. MD</i> , Sven Roessing, MD, Petra Magosch, MD, Sven Lichtenberg, MD	
7:45-7:55 am	Discussion	
	SESSION II: BIOLOGY OF TISSUES	
	Moderator: Robert Hollinshead, MD	
Paper #4		
7:55-8:00 am	Nanofiber-based Scaffold for Rotator Cuff Repair and Augmentation Helen H. Lu, PhD, Kristen L. Moffat, MS, Jeffrey P. Spalazzi, MS, Stephen B. Doty, PhD, William N. Levine, MD	

# Andrew J. Leo, MD, Joshua S. Dines, MD, Pasquale Razzano, MS, David M. Dines, MD, Daniel Grande, PhD 8:05-8:10 am **Frog Glue Enhances Rotator Cuff Repair**

In-Vitro and In-Vivo Testing of a Tissue

Engineered "Off-the-Shelf" Scaffold to

**Enhance Rotator Cuff Tendon Healing** 

**Ex Vivo** Neal L. Millar, MD, Tim A. Bradley, MD, Nicola A. Walsh. MD. Richard C. Applevard. PhD. Michael J. Tyler, DSc, George A.C. Murrell, MD, PhD

Local Anesthetics Induce Chondrocyte Death in

### Paper #7

Paper #5

Paper #6

8:00-8:05 am

8:10-8:15 am

Bovine Articular Cartilage Discs in a Dose and **Duration Dependent Manner** Ian Lo, MD, May Chung, BSc, Sherri Liang, BSc, Paul Sciore, PhD, Richard Boorman, MD, Kenneth Muldrew, PhD, Gail Thornton, PhD, Jerome Rattner, PhD

## Discussion

Symposium: Distal Clavicle Injuries: AC Separations and Fractures, When and How to Treat. Moderator: Michael L. Pearl, MD

### Panel:

Discussion focusing on: 1. When Should AC Separations be Fixed, 2. Does Surgical Technique for Acute versus Chronic Differ. 3. Weaver Dunne versus Tendon Graft and, 4. Surgical versus Conservative Management of Type II Distal Clavicle Fracture. Moderator: Michael L. Pearl, MD

**AC Separations, Classification, Indications** and a video of "How I Do a Weaver-Dunne." Herbert Resch, MD

Anatomy and Biomechanics of the Distal Clavicle and Acromio-Clavicular Articulation: Implications for Surgical Technique using a Tendon Graft.

Augustus D. Mazzocca, MD

**Distal Clavicle Fractures, Classification,** Indications and Review of Surgical Techniques. How Do These Injuries Differ from: 1. Other **Clavicle Fractures and, 2. AC Separations.** My Preferred Method(s) of Fixation. Michael D. McKee, MD

## SESSION III: INSTABILITY AND UPPER EXTREMITY ATHLETES

	EXTREMITY ATHLETES	10:30-10:35 am	Arthroscopic Rotator Cuff Repair: Prospective
	Moderator: Jeffrey S. Abrams, MD		<b>Evaluation with Sequential Ultrasonagraphy</b> Daniel P. Tomlinson, MD, Ronald S. Adler, MD, PhD,
Paper #8	The Freeholders of Dislocation Authorsholds in		Shane J. Nho, MD, MS, Frank A. Cordasco, MD,
9:15-9:20 am	The Evolution of Dislocation Arthroplasty in First Time Anterior Shoulder Dislocation in		MS, Edward V. Craig, MD, Russell F. Warren, MD, John D. MacGillivray, MD, David W. Altchek, MD
	the Young. 223 Shoulders Prospectively	Paper #15	
	Followed for 25 years Lennart Hovelius, MD, Bjorn Sandstrom, MD,	10:35-10:40 am	Vascularity of the Rotator Cuff after
	Modolv Saeboe, MD, Bengt-Goran Augustini, MD, Lars Krantz, MD, Hans Fredin, MD, Bo Tillander, MD, Ulf Skoglund, MD, Ulf Sennerby, MD	10.00 10.40 um	Arthroscopic Repair: Characterization using Contrast-Enhanced Ultrasound Seth C. Gamradt, MD, Ronald S. Adler, MD, PhD, Alex Maderazo, MD, Russell F. Warren, MD, David
<b>Paper #9</b> 9:20-9:25 am	Arthroscopic Rotator Interval Closure:		W. Altchek, MD, Stephen Fealy, MD
5.20 5.20 diff	Effect on Stability and Range of Motion in an Anterior and Posterior Stabilization Model	10:40-10:50 am	Discussion
	Matthew T. Provencher, MD, Timothy S.		SESSION V: IMAGING
	Mologne, MD, Michio Hongo, MD, PhD, Kristi Zhao, MS, Anthony A. Romeo, MD, Kai N. An, PhD	Paper #16	Moderator: Mark W. Rodosky, MD
Paper #10		10:50-10:55 am	Orthopaedic versus Radiology Reading of
9:25-9:30 am	The Development and Validation of a Functional Assessment Tool for the Upper Extremity in the Overhead Athlete		Shoulder MRI Scans: A Prospective Study Stephen C. Weber, MD, Jeffrey I. Kauffman, MD, Carol Parise, PhD
	Benjamin G. Domb, MD, Frank Alberta, MD,	Paper #17	
	Scott Bissell, MD, Karen Mohr, PT, Lewis A. Yocum, MD, Neal S. ElAttrache, MD, Frank W. Jobe, MD	10:55-11:00 am	Increased Incidence of False Positive Rotator Cuff Pathology in MRI's of Patients with Adhesive Capsulitis
Paper #11			Stephen L. Brown, MD, Bryan J. Loeffler, MD,
9:30-9:35 am	Hypertrophy of the Anterior Coracoacromial Ligament in the Young Overhead Athlete as a Cause of Shoulder Pain		Donald F. D'Alessandro, MD, James E. Fleischli, MD, Patrick M. Connor, MD
	<b>Gregory P. Nicholson, MD</b> , Stacy L. Twigg, PA-C, John Paul Rue, MD	11:00-11:10 am	Discussion
Paper #12			<b>SESSION VI: ROTATOR CUFF II</b>
9:35-9:40 am	Prospective Outcome after Arthroscopic		Moderator: Matthew L. Ramsey, MD
	Repair of Isolated Type II SLAP Lesions Stephen F. Brockmeier, MD, James E. Voos, MD,	Paper #18	Chaulder Chronoth of Individuals with
	Riley J. Williams, III, MD, David W. Altchek, MD, Stephen J. O'Brien, MD, Frank A. Cordasco, MD, MS, Answorth A. Allen, MD	11:10-11:15 am	Shoulder Strength of Individuals with Asymptomatic Rotator Cuff Tear Hyun-Min Kim, MD, Ari Zelig, BA, Anthony S. Wei, MD, Sharlene A. Teefey, MD, Jay D. Keener, MD,
9:40-9:55 am	Discussion		Leesa M. Galatz, MD, Ken Yamaguchi, MD
9:55-10:00 am	How-to-Video: Latarjet Reconstruction for	Paper #19	Impingement Cundremer Temperal Outcomes
	Antero-Inferior Glenoid Bone Loss Thomas Bradley Edwards, MD	11:15-11:20 am	Impingement Syndrome: Temporal Outcomes of Non-operative Treatment Craig A. Cummins, MD, Lisa M. Sasso, MD,
10:00-10:25 am	Break	Paper #20	Daniel Nicholson, MD
	SESSION IV: ROTATOR CUFF I	11:20-11:25 am	Does Slower Rehabilitation Lead to Stiffness
	Moderator: Leesa M. Galatz, MD		Following Arthroscopic Rotator Cuff Repair? Bradford O. Parsons, MD, Raymond A. Klug, MD,
<b>Paper #13</b> 10:25-10:30 am	The Effect of Rotator Cuff Tear Size, Row		James N. Gladstone, MD, Kenneth J. Accousti, MD, Evan L. Flatow, MD
	Configuration, and Associated Pathology on Ultrasound and Clinical Outcomes after Arthroscopic Rotator Cuff Repairs John D. MacGillivray, MD, Ronald S. Adler, MD, PhD, Shane J. Nho, MD, MS, Edward V. Craig, MD, Frank A. Cordasco, MD, MS, Answorth A. Allen, MD, Russell F. Warren, MD, David W. Altchek, MD	<b>Paper #21</b> 11:25-11:30 am	Pectoralis Major Transfer for Treatment of Irreparable Subscapularis Tendon Tears: How Well Does It Really Work? Laurence D. Higgins, MD, Mehmet Ozbaydar, MD, Bassem Elhassan, MD, David S. Diller, BA, Daniel Massimini, BS, Jon J.P. Warner, MD

Paper #14

11:30-11:40 am	Discussion	1:52-1:59 pm	Diagnosis of UCL Injury: Role of History, PE,
11:40 am-12:00 pr	Reimbursement Richard J. Friedman, MD, FRCSC		Imaging, Arthroscopy and finally Exploration of the Ligament to Determine UCL Deficiency in Throwers John E. Conway, MD
	Information on the current status of coding, charging, cost and reimbursement for Reverse Arthroplasty and Double Row Arthroscopic RCR.	1:59-2:06 pm	Surgical Pearls for UCL Reconstruction David W. Altchek, MD
12:00-1:00 pm	Lunch Break	2:06-2:13 pm	Post-op Care and Rehab: Algorithm for Return to Throwing
	SESSION VII: ELBOW		Marc R. Safran, MD
Paper #22	Moderator: Shawn W. O'Driscoll, PhD, MD	2:13-2:20 pm	Realistic Results and Expectations and Time Frames
1:00-1:05 pm	Clinical Outcomes of Arthroscopic Treatment of OCD Lesion of the Capitellum Jonathan D. Chappell, MD, Neal S. ElAttrache, MD	2:20-2:25 pm	Discussion
<b>Paper #23</b> 1:05-1:10 pm	Corticosteroid Injection for Lateral Elbow		SESSION VIII: SHOULDER ARTHROPLASTY I
	Pain: A Randomized Placebo Controlled Clinical Trial		Moderator: Evan L. Flatow, MD
Paper #24	Marjolijn Henket, MD, Anneluuk L.C. Lindenhovius, MSc, Jamie Cowan, BA, Santiago Lozano-Calderon, MD, Chaitanya S. Mudgal, MD, Jesse B. Jupiter, MD, David Ring, MD, PhD	<b>Paper #27</b> 2:25-2:30 pm	Survivorship Analysis of the Glenoid Component in Total Shoulder Arthroplasty Tyler J. Fox, MD, Akin Cil, MD, John W. Sperling, MD, Joaquin Sanchez-Sotelo, MD, Cathy D. Schleck, BS, Robert H. Cofield, MD
1:10-1:15 pm	Lateral Collateral Ligament Repair of the	Paper #28	
	Elbow using Transosseous Sutures Restores Joint Kinematics and Stability Gillian S. Fraser, BSc, Graham J. King, MSc, MD, FRCSC, James A. Johnson, PhD, Jamie E. Pichora, MSc, Louis F. Ferreira, BESc, Jamie R. Brownhill, BEng	2:30-2:35 pm	Improved Accuracy and Reliability of Computer Assisted Glenoid Implantation in Total Shoulder Arthroplasty: A Randomized Controlled Trial Duong Nguyen, MD, FRCSC, Louis Ferreira, BSc,
Paper #25			Jamie Brownhill, PhD, Graham King, MSc, MD,
1:15-1:20 pm	Clinical Outcomes of the DANE TJ Technique to Treat Elbow MCL Insufficiency Joshua S. Dines, MD, Neal S. ElAttrache, MD, John Conway, MD, Wade Smith, PA-C,	Paper #29	FRCSC, Darren Drosdowech, MD, FRCSC, Kenneth Faber, MD, MHPE, FRCSC, Jim Johnson, PhD
	Christopher S. Ahmad, MD	2:35-2:40 pm	Management of Gleno-humeral Arthritis in Young Patients with Biological Resurfacing of
<b>Paper #26</b> 1:20-1:25 pm	Revision Surgery for Failed Elbow Medial Collateral Ligament Reconstruction Joshua S. Dines, MD, Lewis A. Yocum, MD,		the Glenoid Jon J.P. Warner, MD, Mehmet Ozbaydar, MD, Bassem Elhassan, MD, David S. Diller, BA, Daniel Massimini, BS, Laurence D. Higgins, MD
	Neal S. ElAttrache, MD, Joshua B. Frank, MD,	Paper #30	
1:25-1:40 pm	Ralph Gambardella, MD, Frank W. Jobe, MD Discussion	2:40-2:45 pm	Meniscal Allograft Glenoid Resurfacing in Conjunction with Hemiarthroplasty: 1 to 5
			Year Follow-up
1:40-1:45 pm	How-to-Video: Ulnar Collateral Ligament Reconstruction David W. Altchek, MD	<b>Paper #31</b> 2:45-2:50 pm	<i>Michael A. Wirth, MD</i> Autologous Platelet Gel Reduces Pain with
1:45-2:25 pm	<b>Symposium: Elbow Ligamentous Injuries</b> <i>Moderator: John E. Conway, MD</i> Panel:		Total Shoulder Arthroplasty Douglas P. Zavadil, MPS, CCP, LCP, Charles Craig Satterlee, MD, Jaime M. Costigan, RN, David W. Holt, MA, CCT, Valerie K. Shostrom, MS
1:45-1:52 pm	Ligament Anatomy of LUCL and Clinical Characteristics of LUCL Injury versus UCL	2:50-3:05 pm	Discussion
	(lateral vs. medial) <i>Mark S. Cohen, MD</i>	3:05-3:35 pm	Break

	SESSION IX: SHOULDER ARTHROPLASTY II – REVERSE	4:15-4:23 pm	Humerus: Proper Version of Humerus and Tension of Soft Tissues; Does Neck-Shaft
Paper #32	Moderator: Andrew Green, MD		Angle Matter? Do you Repair the Subscap? <i>Evan L. Flatow, MD</i>
3:35-3:40 pm	<b>Reverse Shoulder Arthroplasty: Indications and Results of the French Multicenter Study</b> <i>Pascal Boileau, MD, Ryan T. Bicknell, MD, MSc,</i> <i>FRCSC</i> , Christopher R. Chuinard, MD, MPH	4:23-4:31 pm	Aftercare: Immobilization Time; CTA versus Revision, PT or no PT; What Home Exercises Do You Prescribe? <i>David N. Collins, MD</i>
Paper #33			
3:40-3:45 pm	Results of Reverse Shoulder Arthroplasty in Proximal Humerus Fracture Sequelae Lionel Neyton, MD, Pascal Garaud,	4:31-4:39 pm	Complications – How to Avoid the Avoidable Complications! <i>Pascal Boileau, MD</i>
	Pascal Boileau, MD, Ryan Bicknell, MD, MSc, FRCSC, Christopher R. Chuinard, MD, MPH	4:39-4:45 pm	Discussion
Paper #34			SESSION X: INFECTIONS AFTER
3:45-3:50 pm	Intraoperative and Early Postoperative Complications of Reverse Total Shoulder Replacement: Experience of One Surgeon		ARTHROPLASTY
			Moderator: John W. Sperling, MD
	Carl Henry Wierks, MD, Edward McFarland, MD,	B	
	Richard Skolasky, MA	<b>Paper #35</b> 4:45-4:50 pm	Results of Deep Infection after a Reverse
3:50-4:00 pm	Discussion	4.45-4.50 pm	Shoulder Arthroplasty
4:00-4:05 pm	How-to-Video: Proper Inferior Glenoid Component Position and Tilt in Reverse		<b>Pascal Boileau, MD</b> , Nicolas Jacquot, MD, Christopher R. Chuinard, MD, MPH, Ryan Bicknell, MD, MSc, FRCSC
	Shoulder Arthroplasty <i>Evan L. Flatow, MD</i>	Donor #26	
4:05-4:45 pm	Symposium: Reverse Shoulder Arthroplasty:	<b>Paper #36</b> 4:50-4:55 pm	Clinical Presentation of Propionibacterium
4.05-4.45 μm	Technical Pearls		Acnes Infection Following Shoulder Surgery
	Moderator: Evan L. Flatow, MD		<b>Yen Yi-Meng, MD, PhD</b> , Marilee P. Horan, BS, James Bennett, BA, Peter J. Millett, MD, MSc
	Panel:		
4:05-4:10 pm	Glenoid: Inferior Positioning from Superior Approach	4:55-5:05 pm	Discussion
	W.Z. (Buz) Burkhead, Jr., MD	5:05 pm	Adjourn
4:10-4:15 pm	Glenoid: Inferior Position, Tilt and Bone Graft if necessary from Delto-Pectoral Approach Gregory P. Nicholson, MD		

# DISCLOSURE STATEMENT

Each participant in the meeting has been asked to disclose if he or she has received something of value (in excess of \$500) from a commercial company or institution, which relates directly or indirectly to the subject of their presentations. The American Shoulder and Elbow Surgeons has identified the options to disclose as follows:

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