



* Registration fee includes CD-ROM of How to Videos and program book.

ACCREDITATION

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council of Continuing Medical Education through the joint sponsorship of the American Academy of Orthopaedic Surgeons and the American Shoulder and Elbow Society. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

CME CREDIT

The American Academy of Orthopaedic Surgeons designates this educational activity for a maximum of 8.5 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity.

7:30-7:35 am **Welcome and Opening Remarks**
David M Dines, MD
**Immediate Past-President, American
Shoulder & Elbow Surgeons**

SESSION I: ROTATOR CUFF

Moderator: Gary M Gartsman, MD

Paper 1
7:35-7:40 am **Arthroscopic Rotator Cuff Repair:
The Effect of Depth of Suture Passage
on Three-Dimensional Repair Site Surface
Area and Load to Failure Using Single-Row
Anchor Fixation**
Allen Deutsch, MD

Paper 2
7:40-7:45 am **Repair Integrity and Functional Outcome after
Arthroscopic Double-row Rotator Cuff Repair:
A Prospective Outcome Study**
*Hiroyuki Sugaya, MD, Kazuhiko Maeda, MD,
Keisuke Matsuki, MD, Joji Moriishi, MD*

Paper 3
7:45-7:50 am **Arthroscopic Rotator Cuff Repair. Correlations
of Clinical Results with Integrity of the Tendon**
*Pierre-Henri Flurin, MD, Philippe Landreau, MD,
Pascal Boileau, MD, Laurent LaFosse, MD,
Stephane Guillo, MD, Jean-Francois Kempf, MD,
Bruno Toussaint, MD, Olivier Courage, MD,
Christophe Charousset, MD*

7:50-8:00 am **HOW-TO VIDEO**
**Capsular Release for Stiff Shoulder
Following Cuff Repair**
Mark Lazarus, MD

Paper 4
8:00-8:05 am **Footprint Contact Biomechanics for a New
Arthroscopic Transosseous-Equivalent
Rotator Cuff Repair Technique Compared to a
Double-Row Technique Arthroscopic Rotator
Cuff Repair. Correlations of clinical results
with integrity of the tendon**
*Maxwell C Park, MD, Neal S ElAttrache, MD,
James E Tibone, MD, Christopher S Ahmad, MD,
Bong J Jun, MS, Thay Q Lee, PhD*

Paper 5
8:05-8:10 am **Porcine Small Intestinal Submucosa (Restore
Orthobiologic Implant) Augmentation of
Chronic Two-Tendon Rotator Cuff Tears
Treated with Open Surgical Repair.
A Randomized Controlled Trial**
*Joseph Iannotti, MD, PhD, Michael Codsi, MD,
Young Kwon, MD, PhD, Kathe Derwin, PhD, John
Brems, MD*

8:10-8:22 am **Discussion**

SESSION II: ELBOW I

Moderator: Ken Yamaguchi, MD

Paper 6
8:22-8:27 am **Intra-Articular Distal Humerus Fractures:
12-30 Years Follow-Up**
*Joppe P van Duijn, BS, Job N Doornberg, MS,
Peter Kloen, MD, PhD, Ernst L F B Raaymakers, MD,
PhD, Durk S Linzel, BS, Rene K Marti, MD, PhD*

Paper 7
8:27-8:32 am **Long Term Outcome of Surgically Treated
Complex Olecranon Fractures**
*Anneluuk C Lindenhovius, BS, Job N Doornberg,
MS, Chaitanya S Mudgal, MD, Peter Kloen, MD,
PhD, Rene R K Marti, MD, PhD, Ernst L F B
Raaymakers, MD, PhD, David C Ring, MD*

Paper 8
8:32-8:37 am **Clinical Results of Anterior Fixation of
Humeral Capitellar Fractures**
*Mark A Mighell, MD, Scott Schneider, MD,
Mark A Frankle, MD, Eddie Eckles, MD*

8:37-8:44 am **Discussion**

8:44-8:54 am **HOW-TO VIDEO**
Radial Head Fracture
John Itamura, MD

SESSION III: ARTHROPLASTY

Moderator: Tom R Norris, MD

Paper 9

8:54-8:59 am

Minimum 5 Year Follow-up of Humeral Head Replacement for the Treatment of Osteoarthritis
Damian M Rispoli, MD, John W Sperling, MD, George S Athwall, MD, Robert H Cofield, MD

Paper 10

8:59-9:04 am

Biomechanical Evaluation of Subscapularis Repair Used During Shoulder Arthroplasty
Christopher S. Ahmad, MD, David W Wing, BS, Thomas R Gardner, MCE, William N Levine, MD, Louis U Bigliani, MD

Paper 11

9:04-9:09 am

Coronal Plane Tilt Angle Affects Risk of Catastrophic Failure in Patients Treated With a Reverse Shoulder Prosthesis
Mark A Frankle, MD, Steven Segal, MD, Derek R Pupello, BS, Sergio Gutierrez, MSc, Michael Griewe, MD, Mark A Mighell, MD, Rami Hart, BS

Paper 12

9:09-9:14 am

Deep-Vein Thrombosis Following Reconstructive Shoulder Arthroplasty: A Prospective Observational Study
Andrew A Willis, MD, Stephen Fealy, MD, Russell F Warren, MD, Ronald S Adler, PhD, MD, Edward V Craig, MD, Frank A Cordasco, MD, Stephen Lyman, PhD

Paper 13

9:14-9:19 am

Symptomatic Glenoid Loosening Complicating Total Shoulder Arthroplasty
Joshua S Dines, MD, James O'Holleran, MD, Stephen Fealy, MD, Russell F Warren, MD, David M Dines, MD

Paper 14

9:19-9:24 am

Severe Glenohumeral Chondrolysis Following Shoulder Arthroscopy: A Series of 6 Cases Treated with Hemiarthroplasty
Mitchell W Larsen, MD, Laurence Higgins, MD, Carl J Basamania, MD

9:24-9:36 am

Discussion

SYMPOSIUM I: REVERSE SHOULDER ARTHROPLASTY

Moderator: W Z Burkhead, MD

Panel:

9:36-9:46 am

Rotator Cuff Arthropathy
Gilles Walch, MD

9:46-9:56 am

Revision of Failed Hemiarthroplasty and Total Shoulder Arthroplasty
Mark Frankle, MD

9:56-10:06 am

Complications: Avoidance and Management
Christian Gerber, MD

10:06-10:16 am

HOW-TO-VIDEO
Superior Approach for the Reverse Shoulder
Anders Ecklund, MD

10:16-10:26 am

Discussion

10:26-10:46 am

BREAK

SESSION IV: INSTABILITY

Moderator: Frederick A Matsen, III MD

Paper 15

10:46-10:51 am

Longterm Prognosis of First Time Anterior Shoulder Dislocation in the Young. 229 Shoulders Prospectively Followed for 25 years.
Lennart Hovelius, MD, Ulf Skoglund, MD, Bjorn Sandstrom, MD, Ulf Sennerby, MD, Bengt Goran Augustini, MD, Hans Fredin, MD, Bo Tillnader, MD, Lars Krantz, MD, Modolv Saebo, MD

Paper 16

10:51-10:56 am

Postoperative Subscapularis Insufficiency after Primary and Revision Open Shoulder Stabilization
Markus Scheibel, MD, Alexander Tsynman, MD, Petra Magosch, MD, Ralf J Schroder, MD, Ariane Gerber-Popp, MD, Peter Habermeyer, MD

Paper 17

10:56-11:01 am

In-vivo Glenohumeral Ligament Function
Ramprasad Papannagari, MS, Thomas J Gill, MD, Patrick J Boyer, MD, Susan L Stewart, MD, Jon JP Warner, MD, Guoan Li, MD

11:01-11:09 am

Discussion

SYMPOSIUM II: MID SHAFT CLAVICLE FRACTURES

Moderator: Charles A Rockwood, Jr, MD

Panel:

11:09-11:19 am

Conservative Treatment of Clavicle Fractures
Edward V Craig, MD

11:19-11:29 am

Intramedullary Pin Fixation
Carl J Basamania, MD

11:29-11:39 am

Plate Fixation of Clavicle Fractures
Michael D McKee, MD

11:39-11:49 am

Discussion

**SESSION V: ACROMIO-
CLAVICULAR JOINT**

Moderator: Gerald R Williams Jr, MD

Paper 18

11:49-11:54 am **Acromioclavicular Joint Arthroscopic Reconstruction: 2 year follow up**
Andreas B Imhoff, MD, Thomas Tischer, MD

Paper 19

11:54-11:59 am **AC Joint Reconstruction with CA Ligament Transfer Using the Docking Technique**
Ivan H Pacheco, MD, Reuben Gobezie, MD, Nicholaos Tsaniklides, MD, Bryan Krastins, MD, Peter J Millett, MD, MSc

Paper 20

11:59-12:04 am **Arthroscopic Distal Clavicle Resection: A Biomechanical Analysis in a Cadaver Model**
Sara L Edwards, MD, Nicole A Wilson, MS, Steve Flores, MD, Jason Koh, MD, Li-Qun Zhang, PhD

12:04-12:12 pm **Discussion**

12:12-1:12 pm **Lunch**

1:12-1:17 pm **Neer Award Presentation**

**SYMPOSIUM III: NERVE
COMPLICATIONS ABOUT THE ELBOW**

1:17-1:57 pm

Moderator: Hill Hastings, II, MD

Panel:

*Peter Weiss, MD
Robert N Hotchkiss, MD
Mark S Cohen, MD*

Discussion

SESSION VI: ELBOW II

Moderator: Neal S ElAttrache, MD

Paper 21

1:57-2:02 pm **Split Anconeus Fascia Transfer for Reconstruction of the Elbow Lateral Collateral Ligament Complex: Anatomic and Biomechanical Testing**
Anand M Murthi, MD, Caroline M Chebli, MD

Paper 22

2:02-2:07 pm **Comparison of Elbow Contracture Release in Patients with and without Heterotopic Ossification**
Job N Doornberg, MS, Durk S Linzel, BS, Joppe P van Duijn, BS, Jesse B Jupiter, MD, David C Ring, MD

Paper 23

2:07-2:12 pm **Varus Posteromedial Rotational Elbow Injuries**
David C Ring, MD, Job N Doornberg, MD

2:12-2:19 pm **Discussion**

2:19-2:29 pm **HOW-TO VIDEO
Single Incision Biceps**
Jeffrey Hughes, MD

SESSION VII: TRAUMA

Moderator: David N Collins, MD

Paper 24

2:29-2:34 pm **Early Complications of Operatively Treated Proximal Humerus Fractures**
Adam M Smith, MD, Rodrigo M Mardones, MD, John W Sperling, MD, Robert H Cofield, MD

Paper 25

2:34-2:39 pm **Biomechanical Assessment of Inferior Tuberosity Placement During Hemiarthroplasty for 4-part Proximal Humerus Fractures.**
G. Russell Huffman, MD, John M Itamura, MD, Michelle H McGarry, MS, James E Tibone, MD, Long Duong, BS, Jeremy Gililland, BS, Thay Q Lee, PhD

2:39-2:45 pm **Discussion**

2:45-3:00 pm **BREAK**

**Please proceed to McCormick Place
Convention Center Lakeside E354 B for
the joint session of ASES and AOSSM**

JOINT SESSION: AOSSM AND ASES

3:00 – 3:02pm	WELCOME <i>W Z Burkhead Jr MD, 2006 ASES Program Chair (Dallas, TX)</i> <i>Mark E. Steiner MD, 2006 AOSSM Program Chair (Boston, MA)</i>		Why I Use Bone Grafts and Soft Tissue Graft Augmentation <i>Stephen S Burkhart MD (San Antonio, TX)</i>
3:03 – 3:15pm	CURRENT CONCEPTS: Management of the In-Season Collision Athlete with Shoulder Instability <i>Moderator: Robert T Burks MD (Salt Lake City, UT)</i> <i>Anthony A Romeo MD (Chicago, IL)</i> <i>Robert A Arciero MD (Farmington, CT)</i>		Objectives: Upon completion of this Debate, learners will be able to: <ul style="list-style-type: none">• Identify the indications for soft tissue or bone graft augmentation in shoulder reconstruction• Understand the techniques for augmentation in shoulder reconstruction
	Objectives: Upon completion of this Current Concepts, learners will be able to: <ul style="list-style-type: none">• Identify which episodes of instability require surgery in the collision athlete• Understand the role of immobilization for episodes of Instability• Understand the role of bracing to treat shoulder instability• Understand the indications for return to play after surgical reconstruction	3:54 – 4:04pm	Question & Answer Session
		4:04 – 4:21pm	Arthroscopic Biceps Tenodesis <i>Moderator: W Z Burkhead Jr MD (Dallas, TX)</i>
			The Biceps Tenodesis Screw Technique <i>Pascal Boileau MD (Nice, France)</i>
			Arthroscopic Biceps Fixation Techniques <i>Lonnie E Paulos MD (Salt Lake City, UT)</i>
			Arthroscopic Coracoid Fixation Technique <i>Stephen J O'Brien MD, MBA (New York, NY)</i>
3:16 – 3:34pm	SPOTLIGHT ON SURGICAL TECHNIQUE: How I Customize Shoulder Reconstruction Based on the Athlete's Sport and Position <i>Moderator: Mark E Steiner MD (Boston, MA)</i>		Objectives: Upon completion of this Session, learners should be able to: <ul style="list-style-type: none">• Understand surgical techniques for biceps tenodesis• Identify the indications for different methods of biceps tenodesis
	Anterior Instability <i>James R Andrews MD (Birmingham, AL)</i>		
	Posterior Instability <i>Russell F Warren MD (New York, NY)</i>		
	Objectives: Upon completion of this Spotlight on Surgical Technique, learners will be able to: <ul style="list-style-type: none">• Understand the potential variations in reconstruction technique based on an athlete's sport and position• Identify the indications for alterations in surgical technique in shoulder reconstruction for athletes	4:22 – 4:37pm	CASE PRESENTATIONS: Is This a SLAP Tear and Does It Need Repair? <i>Moderator: Jon J.P. Warner MD (Boston, MA)</i> <i>Neal S ElAttrache MD (Los Angeles, CA)</i> <i>Craig D Morgan MD (Wilmington, DE)</i> <i>Stephen J Snyder MD (Van Nuys, CA)</i>
			Objectives: Upon completion of these Case Presentations, learners should be able to: <ul style="list-style-type: none">• Identify the arthroscopic appearance of different types of SLAP tears• Understand the indications for repair based on a patient's history, physical examination, and pathologic anatomy
3:35 – 3:53pm	DEBATE: Anterior Shoulder Instability Reconstruction in the Contact Athlete – Bone Graft and/or Soft Tissue Augmentation		
	Arthroscopic Reconstruction is All That is Required <i>Felix H Savoie III MD (Jackson, MS)</i>	4:38 – 4:50pm	Question & Answer Session

4:51 – 5:01pm **POINT/COUNTERPOINT: Are We Overtreating Elbow Instability?**
Moderator: Neal S ElAttrache MD (Los Angeles, CA)

Pro

William A Grana MD, MPH (Tucson, AZ)

Con

David W Altchek MD (New York, NY)

Objectives:

Upon completion of this Point/Counterpoint, learners should be able to:

- Understand the increased utilization of medial elbow stabilization surgery
- Identify indications for medial elbow stabilization

5:02 – 5:08pm **SPOTLIGHT ON SURGICAL TECHNIQUE: Optimum Suture Placement for Rotator Cuff Repairs**
Moderator: Christopher Jobe MD (Linda Loma, CA)
Ronald E Glousman MD (Los Angeles, CA)

Objectives:

Upon completion of this Spotlight on Surgical Technique, learners should be able to:

- Understand new methods of anchor and suture placement to recreate the footprint of the rotator cuff and increase repair strength
- Identify the indications for different methods of suture and anchor placement in rotator cuff repair

5:09 – 5:15pm

UPDATE: Biomechanics and Muscle Activity During the Golf Swing

Marilyn Pink PhD, PT, MBA (Centinella, CA)

Objectives:

Upon completion of this Update, learners should be able to:

- Understand the methods for studying the biomechanics of the golf swing
- Understand the biomechanics and muscle activation patterns utilized in a golf swing

5:16 – 5:30pm

CURRENT CONCEPTS: The Upper Extremity in Golf and How to Improve Your Score

William J Mallon MD (Durham, NC)

Objectives:

Upon completion of this Current Concepts, learners should be able to:

- Understand alterations in the golf swing related to muscle activation patterns
- Identify strategies for changes in the golf swing to improve performance

5:30pm

CONFERENCE ADJOURNS

