

**American Shoulder and Elbow Surgeons**  
21<sup>st</sup> Closed Meeting  
New York, New York; September 29 – October 2, 2004

**FIRST SCIENTIFIC SESSION****THURSDAY, SEPTEMBER 30, 2004**

6:55 AM Welcome Announcements and Recognitions  
Joseph D Zuckerman, MD, *President*

**Session I:** **Rotator Cuff I**  
**Dual Moderators:** *Patrick J. McMahon, MD (\*) & Gerald R. Williams, Jr, MD (n)*

**PAPER #1**

7:00 – 7:05 AM Functional Outcomes after Nonoperative Treatment of Full-Thickness Rotator Cuff Tears  
*Gary M Gartsman, MD (n), Kenneth Warnock, MD, Brad Edwards, MD, Daniel O'Connor, PhD, Hussein Elkousy, MD*

7:05 – 7:10 AM Discussion

**PAPER #2**

7:10 – 7:15 AM •Development of a Novel Tissue Engineered/Gene Therapy Approach to Treatment of Rotator Cuff Tears in a Rat Model  
*David M Dines, MD (n), Joshua S Dines, MD, Christopher Uggen, MD, Pasquale Razzano, James Mason, PhD, Daniel Grande, PhD*

7:15 – 7:20 AM Discussion

**PAPER #3**

7:20 – 7:25 AM A Biomechanical Analysis of an Anatomic Footprint Rotator Cuff Repair Technique  
*Neal S ElAttrache, MD (a-Arthrex), David H Kim, MD, Sergai N DeLaMora, MD, James E Tibone, MD, Ronald S Kvitne, MD, Bong-Jae Jun, MS, Thay Q Lee, PhD*

7:25 – 7:30 AM Discussion

**PAPER #4**

7:30 – 7:35 AM Suprascapular Nerve Dysfunction with Massive Rotator Cuff Tears: Not so Rare a Problem  
*Jon JP Warner, MD (n), Mason Porramatikul, MD, Denny Lie, MD, John Costouros, MD, Peter Millett, MD, Tom Holovac, MD*

7:35 – 7:40 AM Discussion

**PAPER #5**

7:40 – 7:45 AM •Bipolar Radiofrequency Energy Enhanced Repair of Chronic Supraspinatus Tears in Rats  
*Brian J Cole, MD, (n), Dominic Carreira, MD, Johnny Lin, MD, Nadim Hallab, PhD, Jennifer Hayden, MS, Tamara Pylawka, MS, James Williams, PhD, Bob Volz, MS*

7:45 – 7:50 AM Discussion

**Session II:** **Shoulder Arthroscopy**  
**Dual Moderators:** *C Thomas Vangsness, Jr., MD (n) & Anthony A Romeo, MD (a,c,e-Arthrex)*

**PAPER #6**

7:50 – 7:55 AM Arthroscopic Coracoid Decompression: Correlation of Clinical Outcome and Post-Operative MRI Findings  
*Michael Q Freehill, MD, Linsey Hamilton, SPT, Noelle M Maze, RN, MA, C-ANP, Kenneth D Kleist, MD, Hollis M Fritts, MD, Daniel D Buss, MD (n)*

7:55 – 8:00 AM Discussion

<b>PAPER #7</b>	
8:00 – 8:05 AM	Posterosuperior Labral Repair and Paralabral Cyst Decompression: Results of All-Arthroscopic Treatment <i>Sumant G Krishnan, MD, Wayne Z Burkhead Jr, MD (n)</i>
8:05 – 8:10 AM	Discussion
<b>PAPER #8</b>	
8:10 – 8:15 AM	Arthroscopic Debridement in the Management of Glenohumeral Osteoarthritis: Long-Term Follow-up <i>Stephen C Weber, MD (n), Jeffrey I Kauffman, MD</i>
8:15 – 8:20 AM	Discussion
8:20 – 9:00 AM	<b>Symposium – Ethics Issues in Shoulder and Elbow Surgery</b> <i>Joseph D Zuckerman, MD (n)</i>
<b>Moderator:</b>	
8:20 – 8:30 AM	New Technology <i>Joseph P Iannotti, MD, PhD (n)</i>
8:30 – 8:40 AM	New Techniques <i>Jeffrey Abrams, MD (d-Opus, e-Linvatec, Opus, Storz)</i>
8:40 – 8:50 AM	Relationship with Industry <i>James D Capozzi, MD (n)</i>
8:50 – 9:00 AM	Discussion
9:00 – 9:30 AM	<b>Break</b>
<b>Session III:</b>	<b>Arthroplasty</b>
<b>Dual Moderators:</b>	<i>Frederick A. Matsen, III, MD (a &amp; e-DePuy) &amp; Frank A. Cordasco, MD (n)</i>
<b>PAPER #9</b>	
9:30 – 9:35 AM	Results of Reversed Prosthesis in Glenohumeral Joint Arthritis Associated with Rotator Cuff Tear and Revision Surgery <i>Pascal Boileau, MD (n), Duncan Watkinson, MD, Istvan Hovorka, MD, A Hadzidakis, MD</i>
9:35 – 9:40 AM	Discussion
<b>PAPER #10</b>	
9:40 – 9:45 AM	Radiographic Evaluation of an Innovative Pegged Glenoid Component <i>Michael Wirth, MD (c &amp; e-DePuy, Johnson &amp; Johnson), John Brems, MD, Charles A Rockwood Jr, MD</i>
9:45 – 9:50 AM	Discussion
<b>PAPER #11</b>	
9:50 – 9:55 AM	•Component Positioning and Hardware Failure in the Reverse Shoulder Prosthesis <i>Raymond M Greiwe, MD, Sergio Gutierrez, BS, Mark A Frankle, MD (b,c,d,e-Encore)</i>
9:55 – 10:00 AM	Discussion
<b>PAPER #12</b>	
10:00 – 10:05 AM	Correction of Preoperative Humeral Posterior Subluxation in Total Shoulder Arthroplasty <i>William N Levine, MD (n), Kevin J Setter, MD, Steven Aviles, MD, Ilya Voloshin, MD, Christopher S Ahmad, MD, Theodore A Blaine, MD, Louis U Bigliani, MD</i>
10:05 – 10:10 AM	Discussion
<b>PAPER #13</b>	
10:10 – 10:15 AM	The Thermal Environment around Various Cemented Glenoid Components

*Steven B Lippitt, MD (n), George W Feliciano, MD, Mritunjay, BE, Glenn Njus, PhD*

10:15 – 10:20 AM

Discussion

**PAPER #14**

10:20 – 10:25 AM

Practical Guidelines for Glenoid Reaming in Shoulder Arthroplasty

*Mark D Lazarus, MD (a & e-Stryker Orthopaedics), Robert P Lyons, MD, Robert Gillespie, BS*

10:25 – 10:30 AM

Discussion

**Session IV:**

**Dual Moderators:**

**Instability**

*Robert B. Litchfield, MD (n) & Jonathan B. Ticker, MD (\*)*

**PAPER #15**

10:30 – 10:35 AM

Posterior Shoulder Instability: Diagnostic Accuracy of Physical Tests

*George Salem El Rassi, MD, Harpreet Sing Gill, MD, Hyung Bin Park, MD, Edward George McFarland, MD (n)*

10:35 – 10:40 AM

Discussion

**PAPER #16**

10:40 – 10:45 AM

Achilles Tendon Allograft Augmentation in Revision Surgery for Glenohumeral Instability

*George M McCluskey III, MD (a & e-Zimmer), Bryce Gaunt, PT, Brian S McCluskey, PhD*

10:45 – 10:50 AM

Discussion

**PAPER #17**

10:50 – 10:55 AM

Effects of Capsular Plication and Rotator Interval Closure in a Simulated MDI Model

*James E Tibone, MD (n), Brian L Shafer, MD, Michelle H McGarry, MS, Teruhisa Mihata, MD, Thay Q Lee, PhD*

10:55 – 11:00 AM

Discussion

**PAPER #18**

11:00 – 11:05 AM

Arthroscopic Rotator Interval Closure: Analysis of Glenohumeral Motion and Translation

*Andrew S Rokito, MD (n), Derek Plausinis, MASC, MD, Jonathan T Bravman, BS, Christian S Heywood, MD, Frederick J Kummer, PhD, Young W Kwon, MD, PhD, Laith M Jazrawi, MD*

11:05 – 11:10 AM

Discussion

11:10 – 11:15 AM

Research Committee Survey

**Michael L Pearl, MD (n)**

11:15 – 11:35 AM

**Presidential Guest Lecturer**

**Robert H Cofield, MD (n)**

**"American Shoulder and Elbow Surgeons.**

**The Early Days and Connections with the Future"**

11:35 – 11:40 AM

**In Memoriam, Ian G Kelly, BSc, MD, FRCS(Ed and Glas)**

Evan L. Flatow, MD

11:40 AM –  
12:45 PM

**First Business Meeting**

12:45 PM

**Adjourn**

SECOND SCIENTIFIC SESSION

FRIDAY, OCTOBER 1, 2004

7:25 AM

**Announcements**

**Session V:**

**Dual Moderators:**

**Rotator Cuff II**

*Gregory P. Nicholson, MD (b & c-Zimmer) & Evan L. Flatow, MD (n)*

**PAPER #19**

7:30 – 7:35 AM

Patients Preoperative Expectations Predict the Outcome of Rotator Cuff Repair

*Andrew Green, MD (a-Smith Nephew/Dyonics, Linvatec, d-KMI, e-Tornier, Inc.), Ralph F Henn, MD, Robert Z Tashjian, MD, Lana Kang, MD*

7:35 – 7:40 AM

Discussion

**PAPER #20**

7:40 – 7:45 AM

Does Subscapularis Function Affect Patients with Supraspinatus and Infraspinatus Tendon Tears?

*William M Isbell, MD, Nik N Verma, MD, Sherry Backus, MS, Riley J Williams, MD, David W Altchek, MD, Russell F Warren, MD, Thomas L. Wickiewicz, MD, Frank A Cordasco, MD (n)*

7:45 – 7:50 AM

Discussion

**PAPER #21**

7:50 – 7:55 AM

The Role of Anterior Deltoid Re-Education in Patients with Massive Irreparable Degenerative Rotator Cuff Tears

*Ofer Levy, MD, MCh(Orth) (n), Sarah C Roberts, MCSP, Stephen A Copeland, FRCS*

7:55 – 8:00 AM

Discussion

**PAPER #22**

8:00 – 8:05 AM

Small Intestine Submucosa for Treatment of Acute Rotator Cuff Tears

*Matthew Ramsey, MD (e-Zimmer), David Glaser, MD, Stephanie Perry, MS, Louis J Soslowsky, PhD*

8:05 – 8:10 AM

Discussion

**PAPER #23**

8:10 – 8:15 AM

•Delay Up to 12 Weeks before SSP Attachment does not Affect Enthesis Restoration - An Experimental Histologic Study in Rabbits

*Hans K Uthoff, MD (a-ASES), Yoichi Koike, MD, Guy Trudel, MD*

8:15 – 8:20 AM

Discussion

**Session VI:**

**Dual Moderators:**

**Elbow**

*Ken Yamaguchi, MD (n) & William D Regan Jr, MD (\*)*

**PAPER #24**

8:20 – 8:25 AM

Treatment of Acute Traumatic Elbow Instability Without Medial Collateral Ligament Repair

*Chris Forthman, MD, David Ring, MD, Jesse B Jupiter, MD (a-AO Foundation)*

8:25 – 8:30 AM

Discussion

**PAPER #25**

8:30 – 8:35 AM

Intraoperative Injection of Botulinum Toxin-A (Botox) for Prevention of Post-Traumatic Elbow Stiffness

*Melvin Rosenwasser, MD (a-Allergan), Lan Chen, BS, Scott Crow, BS, Themistocles Protopsaltis, MD, Jonathan Lee, MD*

8:35 – 8:40 AM

Discussion

**PAPER #26**

8:40 – 8:45 AM Lateral Epicondylitis: An Evaluation of Three Methods of Operative Treatment  
*Felix H Savoie III, MD (\*)*, *S Joshua Szabo, MD*, *Larry D Field, MD*

8:45 – 8:50 AM Discussion

8:50 – 9:05 AM Traveling Fellowship Presentations  
**Dr. Sercan Akpınar (Turkey) (\*)**  
**François Sirveaux, MD, PhD (France) (\*)**

9:05 – 9:35 AM **Break**

9:35 – 10:15 AM **Symposium – The Stiff Elbow**  
**Moderator:** *Bernard F Morrey, MD (n)*

9:35 – 9:45 AM The Stiff Elbow: Etiology, Diagnosis, Surgical Indications  
**Scott P Steinmann, MD (n)**

9:45 – 9:55 AM Open Surgical Treatment of the Stiff Elbow  
**William D Regan Jr, MD (n)**

9:55 – 10:05 AM Arthroscopic Treatment of the Stiff Elbow  
**Neal ElAttrache, MD (n)**

10:05 – 10:15 AM Discussion

**Session VII:** **Shoulder Trauma**  
**Dual Moderators:** *Wayne Z. Burkhead, Jr., MD (e-Tornier, Inc.)*

**Paper #27**

10:15 – 10:20 AM A Follow-up of Surgical Treatment of Type III AC Dislocations  
*Peter B MacDonald, MD (a & e-Linvatec)*, *Pav Sunner, MD*, *Myrna Dyck, BN*

10:20 – 10:25 AM Discussion

**Paper #28**

10:25 – 10:30 AM Outcomes Following Closed Reduction and Percutaneous Pinning of Proximal Humerus Fractures  
*Evan Flatow, MD (n)*, *Jay Keener, MD*, *Leesa Galatz, MD*, *Edward Lee, MD*, *Gerald Williams, MD*, *Kenneth Rogers, PhD*

10:30 – 10:35 AM Discussion

**Paper #29**

10:35 – 10:40 AM Prognostic Factors Affecting Patient-Oriented Functional Outcome Following Surgical Treatment of Humeral Shaft Nonunion  
*Michael D McKee, MD (a-Zimmer, Stryker Biotech)*, *Andrew P Van Houwelingen, BCs*, *Kostas Panagiotopoulos, MD*, *Emil H Schemitsch, MD*, *Robin R Richards, MD*

10:40 – 10:45 AM Discussion

10:45 – 11:05 AM CPT Coding  
*Richard J Friedman, MD, FRCS(C) (n)*

11:05 – 11:50 AM **Presidential Guest Speaker**  
**Howard Schatz, MD**  
**“From Medicine to Photography, A Physician Changes Careers”**

11:50 AM **Adjourn**

THIRD SCIENTIFIC SESSION

SATURDAY, OCTOBER 2, 2004

7:55 AM

**Announcements**

**Session VIII:  
Moderator:**

**Complications**  
*Peter McCann, MD (e-DePuy) & Louis J. Soslowsky, PhD (n)*

**PAPER #30**

8:00 – 8:05 AM

The Incidence of Deep-Vein Thrombosis Following Shoulder Arthroplasty: A Prospective, Observational Study  
*Andrew A Willis, MD, Russell F Warren, MD (a-Smith & Nephew, c-Biomet), Edward V Craig, MD, Ronald S Adler, MD, Frank A Cordasco, MD, Stephen Fealy, MD*

8:05 – 8:10 AM

Discussion

**PAPER #31**

8:10 – 8:15 AM

Monitoring of Peripheral Nerve Function During Shoulder Arthroplasty Using Continuous Intraoperative Nerve Monitoring  
*Gerald R. Williams, Jr, MD (n), Kenneth Rogers, PhD, ATC, Matthew Ramsey, MD, Charles Getz, MD, David Silverberg, MD, Sameer Nagda, MD*

8:15 – 8:20 AM

Discussion

**PAPER #32**

8:20 – 8:25 AM

Antibiotic Mixed Methylmethacrylate Covered Prosthetic Implant for the Treatment of Deep Infections in Shoulder Arthroplasty  
*Lynn A Crosby, MD (n)*

8:25 – 8:30 AM

Discussion

**PAPER #33**

8:30 – 8:35 AM

Interscalene Block (ISB) for Shoulder/Upper Arm Surgery: A Prospective Evaluation of 693 Consecutive Cases for Side Effects/Complications  
*Gordon W Nuber, MD (n), Mark K Bowen, MD, Radha C Sukhani, MD, Mark C Kendall, MD*

8:35 – 8:40 AM

Discussion

**PAPER #34**

8:40 – 8:45 AM

Complications Following Arthroscopic Rotator Cuff Repair  
*Larry D Field, MD (\*), Kenneth J Brislin, MD, Felix H Savoie III, MD*

8:45 – 8:50 AM

Discussion

**Session IX:**

**Moderator:**

**Kinematics**  
*Marilyn Pink, PhD, MBA, PT (n) & John E. Conway, MD (n)*

**PAPER #35**

8:50 – 8:55 AM

Thrower's Shoulder Model: Effects of Muscle Forces on the Glenohumeral Articulation Path and the Joint Forces Throughout the Arc of Motion  
*Thay Q Lee, PhD (n), Brince Phipps, MD, Michelle H McGarry, MD, Russell Huffman, MD, James E Tibone, MD*

8:55 – 9:00 AM

Discussion

**PAPER #36**

9:00 – 9:05 AM

Three Dimensional Scapular Kinematics in Injured and Non-Injured Subjects, and in Symmetrical and Asymmetrical Subjects  
*W Ben Kibler, MD (n), Brady L Tripp, MEd ATC, Tim L Uhl, PhD ATC PT*

9:05 – 9:10 AM

Discussion

9:10 – 9:30 AM            **Presidential Address**  
**Joseph D Zuckerman, MD**

9:30 – 9:50 AM            **Break**

**POSTER QUESTION & ANSWER**

**Dual Moderators:**        *Thay Q. Lee, PhD (n) & Andrew Green, MD (\*)*

9:50 – 10:20 AM

**Poster #1**

Three-Dimensional Analysis of the Bicipital Groove and the Implications for Proximal Humerus Fracture Prosthetic Design  
*Laurent Angibaud, Joseph D Zuckerman, MD (c-Exactech Incorporated), Pierre-Henri Flurin, MD, Thomas Wright, MD*

**Poster #2**

The Effectiveness of Static Progressive Splinting for Post-Traumatic Elbow Stiffness  
*Job Doornberg, MS, David Ring, MD, Jesse B Jupiter, MD (a-AO Foundation)*

**Poster #3**

Venous Thromboembolic Complications Following Reconstructive Shoulder Arthroplasty: A Retrospective review of 1564 Cases  
*Andrew A Willis, MD, Stephen Fealy, MD, Edward V Craig, MD, Frank A Cordasco, MD (n), Russell F Warren, MD*

**Poster #4**

Minimally Invasive Total Shoulder Arthroplasty: A Cadaveric Study  
*Peter D McCann, MD (e-DePuy), Frances Cuomo, MD, Jason A Schneider, MD*

**Poster #5**

Use of a Novel Glenoid Prosthesis in Patients with Excessive Glenoid Bone Wear  
*Louis U Bigliani, MD (\*), Shane Barwood, MD, Kevin Setter, MD, Ilya Voloshin, MD, Christopher Ahmad, MD, Theodore Blaine, MD, William N Levine, MD*

**Poster #6**

Arthroscopic Suture Anchor Versus Open Bankart Repair in Traumatic Glenohumeral Instability  
*Stephen C Weber, MD (n), Jeffrey I Kauffman, MD*

**Poster #7**

What are the Limits of Glenoid Implantation in Eccentric Glenoid Erosion?  
*Jon J P Warner, MD (n), Philippe Clavert, MD, Peter J Millett, MD*

**Poster #8**

Arthroscopic Coracoidplasty  
*Gregory P Nicholson, MD (n)*

**Poster #9**

Acromioclavicular Joint Capsular Reconstruction with Autogenous Semitendinosis Hamstring Graft for Type V Dislocations  
*Sumant G Krishnan, MD, Wayne Z Burkhead Jr, MD (n)*

**Poster #10**

Uncemented Glenoid Component Augmented with Primary Bone Graft in Total Shoulder Arthroplasty, Long Term Follow-Up  
*David S Morrison, MD (n), Michael Grafe, MD*

10:20 – 11:00 AM            **Symposium – Prosthetic Management of Glenohumeral Arthritis with Irreparable Rotator Cuff Tears**

**Moderator:**                *Tom R Norris, MD (\*)*

10:20 – 10:30 AM            Hemiarthroplasty: Indications, Technique, Outcomes  
**Louis U Bigliani, MD (c-Zimmer)**

10:30 – 10:40 AM            •Reverse Prosthesis: Indications, Technique, Outcomes  
**Mark A Frankle, MD (a,b,c,d,e-Encore)**

10:40 – 10:50 AM Reverse Prosthesis: Technical Pearls, Pitfalls, Complications  
**Pascal Boileau, MD (\*)**

10:50 – 11:00 AM Discussion

**Session X:** **Miscellaneous**  
**Dual Moderators:** **Xavier A. Duralde, MD (n) & Gordon W. Nuber, MD (n)**

**PAPER #37**  
11:00 – 11:05 AM A Comparison of Expectations of Shoulder Surgery Between Surgeon and Patient  
**David S Morrison, MD (n), Michael W Grafe, MD, Jonathan W Myer, MD, Mark Ghamsary, PhD**

11:05 – 11:10 AM Discussion

**PAPER #38**  
11:10 – 11:15 AM Accuracy of Intra-articular Shoulder Injection in Patients with Adhesive Capsulitis  
**Benjamin S Shaffer, MD (n), Heather Williams, MD**

11:15 – 11:20 AM Discussion

11:20 – 12:20 PM **Second Business Meeting**

12:20 – 12:25 PM **Closing Remarks**

12:25 PM **Closed Meeting Adjourned**