Saturday, March 5, 2016
Orange County Convention
Center, West Building
Room W311
7:25 am – 4:35 pm

Presenters are listed in bold.

Leesa M. Galatz, MD, Program Co-Chair
Peter B. MacDonald, MD, Program Co-Chair

Preliminary Program - Faculty and presentations are subject to change.

7:25 am
Welcome and Opening Remarks
William J. Mallon, MD, President

Session I: Basic Science

Moderators: Asheesh Bedi, MD, and David L. Glaser, MD

Paper 1
7:30 am – 7:35 am
Ibuprofen Impairs Capsulolabral Healing in a Rat Model of Anterior Glenohumeral Instability
Jonathan D. Packer, MD, Arya Varthi, MD, David Zhu, BS, Frances G. Javier, BS, Jennifer V. Garver, MD, Steven M. Tommasini, PhD, Theodore A. Blaine, MD

Paper 2
7:35 am – 7:40 am
Reduced Muscle Degeneration and Decreased Fatty Infiltration after Rotator Cuff Tear in a PARP-1 Knock-Out Mouse Model
Michael Künzler, MD, Katja Nuss, DVM, Agnieszka Karol, DVM, Michael Schär, MD, Michael Hottiger, DVM, Brigitte von Rechenberg, DVM, Matthias A. Zumstein, MD

Paper 3
7:40 am – 7:45 am
Humeral Component Version in Reverse Shoulder Arthroplasty Affects Impingement in Activities of Daily Living
Xiang Chen, MS, Andreas Kontaxis, MSc, PhD, Daniel Choi, MS, Julien Berhouet, MD, Timothy M. Wright, PhD, David M. Dines, MD, Edward V. Craig, MD, Russel F. Warren, MD, Laurence V. Giulotta, MD

Paper 4
7:45 am – 7:50 am
Image-Based 3D Morphometric Analysis of the Clavicle Intramedullary Canal
Peter Simon, PhD, Jazmine Aira, BS, Geoffrey P. Stone, MD, Sergio Gutierrez, PhD, Brandon Santoni, PhD, Mark A. Frankle, MD

7:50 am – 8:00 am
Discussion

Session II: Arthroplasty

Moderators: Mark A. Mighell, MD, and Thomas R. Duquin, MD

8:00 am – 8:10 am
How-To Video I: Arthroscopic AC Stabilization
Peter J. Millett, MD, MSc

Paper 5
8:10 am – 8:15 am
Outpatient Total Shoulder Arthroplasty in the Ambulatory Surgery Center Environment Is a Safe Alternative to the Inpatient Hospital Setting: A Matched Cohort Study
Tyler J. Brodin, MD, Ryan P. Mulligan, MD, Frederick M. Azar, MD, Thomas (Quin) Throckmorton, MD

Paper 6
8:15 am – 8:20 am
Tranexamic Acid Decreases Blood Loss in Total Shoulder Arthroplasty and Reverse Total Shoulder Arthroplasty
Jeffrey T. Abildgaard, MD, Ryan McLemore, PhD, Steven J. Hattrup, MD

American Shoulder and Elbow Surgeons
Paper 7
8:20 am – 8:25 am  Patient Activity Levels after Reverse Total Shoulder Arthroplasty: What Are Patients Doing?
Grant H. Garcia, MD, Samuel A. Taylor, MD, Brian DePalma, BA, Gregory T. Mahony, BA, Joshua S. Dines, MD, David M. Dines, MD, Russell F. Warren, MD, Edward V. Craig, MD, Lawrence V. Gulotta, MD

Paper 8
8:25 am – 8:30 am  Immediate vs. Delayed Passive Range of Motion Following Total Shoulder Arthroplasty
Patrick J. Denard, MD, Alexandre Lädermann, MD

8:30 am – 8:40 am  Discussion

Session III: Rotator Cuff and Miscellaneous
Moderators: John E. (Jed) Kuhn, MD, and Jon J.P. Warner, MD

Paper 9
8:40 am – 8:45 am  Accountable Care Organizations and the Effect of Public Disclosure of Surgeon's Operating Room Costs
Luke S. Austin, MD, Nicholas J. Lombardi, BS, Alvin C. Ong, MD, Fotios P. Tjomakaris, MD

Paper 10
8:45 am – 8:50 am  The Effect of Neck-Shaft Angle, Glenosphere Size, and Cup Depth on Contact Mechanics in Reverse Shoulder Arthroplasty
G. Daniel G. Langohr, MASc, Ryan Willing, PhD, John B. Medley, PhD, James A. Johnson, PhD, George S. Athwal, MD, FRCSC

Paper 11
8:50 am – 8:55 am  Reoperation Rate Following Isolated Arthroscopic Rotator Cuff Repair
Siddharth A. Mahure, MD, Brent Mollon, MD, FRCSC, Steven D. Shamah, BA, Joseph D. Zuckerman, MD, Young W. Kwon, MD, PhD, Andrew S. Rokito, MD

Paper 12
8:55 am – 9:00 am  The Role of Vitamin D Deficiency in Rotator Cuff Integrity: Does It Affect Post-Operative Healing?
Ryan M. Dejen, MD, MSc, FRCSC, Danyal H. Nawabi, MD, FRCS (Orth), Julia Gromis, BA, Heather M. Kauwaliick, BA, Edward V. Craig, MD, Frank A. Cordasco, MD, Scott A. Rodeo, MD, Russell F. Warren, MD, Laurence V. Gulotta, MD

9:00 am – 9:10 am  Discussion

9:10 am – 9:40 am  Symposium I: How I Use Basic Science Data to Influence My Treatment of Rotator Cuff
Moderator: Scott A. Rodeo, MD
How I Use Basic Science Data to Determine Fixation Method for Rotator Cuff Repair
9:10 am  In Favor of Single Row Repair
Keith Kenter, MD
9:15 am  In Favor of Double Row Repair
Peter Lapner, MD
How I Use Basic Science Data to Determine Post-Operative Rehab
9:20 am  In Favor of Prolonged Post-Operative Immobilization
Asheesh Bedi, MD
9:25 am  In Favor of Early Controlled Post-Operative Motion
Jay D. Keener, MD
When I Consider Augmentation (Stem Cells, Patches, PRP, Etc.)
9:30 am  In Favor of “Biologic Augmentation”
Eric T. Ricchetti, MD
9:35 am  There Is Limited Data to Support PRP, Bone Marrow Aspirate Concentrate, Patches, Etc.
Stephen C. Weber, MD
9:40 am – 10:10 am  Break

Session IV: Elbow
Moderators: April D. Armstrong, MD, and Ryan T. Bicknell, MD, MSc, FRCSC

Paper 13
10:10 am – 10:15 am  Correlation of the CT, MRI, and Intraoperative Findings of Elbow Osteochondritis Dissecans (OCD)
Ezekiel E. Shotts, MD, Mark S. Collins, MD, Jeffrey R. Bond, MD, Shaun W. O’Driscoll, PhD, MD

Paper 14
10:15 am – 10:20 am  Arthroscopic vs. Open Lateral Release for the Treatment of Lateral Epicondyritis: A Prospective Randomized Controlled Trial
Peter B. MacDonald, MD, FRCSC, Tod Clark, MD, FRCSC, Sheila McRae, MSc, PhD, Jeff Leiter, MSc, PhD, Jamie Dubberley, MD, FRCSC

Paper 15
10:20 am – 10:25 am  Factors that Determine Supination
Strength Following Distal Biceps Repair
Christopher C. Schmidt, MD, Brandon T. Brown, MS, Lars M. Quirk, MD, Rafal Stachowicz, MD, Carmen Latona, MD, Mark C. Miller, PhD
## Session V: Instability
**Moderators:** Sarena Namdari, MD, MSc, and J. Michael Wiater, MD

### Paper 17
11:30 am – 11:35 am
**Remplissage of an Off-Track Hill-Sachs Lesion is Necessary to Restore Biomechanical Glenohumeral Joint Stability in a Bipolar Bone Loss Model**
*Robert U. Hartzler, MD, MS, Christopher N.H. Bui, MD, Woong K. Jeong, MD, Masaki Akeda, MD, Alex Peterson, BA, Michelle McGarry, MS, Patrick J. Denard, MD, Stephen S. Burkhart, MD, Thay Q. Lee, PhD*

**Discussion**

### Paper 18
11:35 am – 11:40 am
**Clinical Outcomes Following Revision Anterior Shoulder Stabilization: Arthroscopic Revision Stabilization vs. Latarjet**
*Rachel M. Frank, MD, Christopher R. Mellano, MD, Jason J. Shin, MD, Terrence F. Feldheim, BS, Randy Mascarenhas, MD, Adam B. Yanke, MD, Bernard R. Bach, Jr., MD, Brian J. Cole, MD, MBA, Gregory P. Nicholson, MD, Anthony A. Romeo, MD, Nikhil N. Verma, MD*

### Paper 19
11:40 am – 11:45 am
**Clinical and Radiographic Outcomes of Distal Tibia Allograft Reconstruction for Glenoid Bone Defects in Recurrent Anterior Shoulder Instability**
*Rachel M. Frank, MD, Petar Golijanin, BS, Brian J. Cole, MD, MBA, Nikhil N. Verma, MD, Anthony A. Romeo, MD, Matthew T. Provencer, MD*

## Session VI: Arthroplasty
**Moderators:** Dean G. Sotereanos, MD, and Edwin E. Spencer, Jr., MD

### Paper 21
1:00 pm – 1:05 pm
**Determining the Minimal Clinically Important Difference (MCID) for the ASES, SST and VAS Pain after Total Shoulder Arthroplasty (TSA)**
*Robert Z. Tashjian, MD, Jay D. Keener, MD, Jared McAllister, MD, Gregory Ebersole, MS, Erin K. Granger, MPH, Wei Chen, PhD, MS, Man Hung, PhD*

**Discussion**

### Paper 22
1:05 pm – 1:10 pm
**Reverse Shoulder Arthroplasty in Patients with Impaired Lower Extremities**
*Adam L. Kemp, BS, Thomas W. Wright, MD*

### Paper 23
1:10 pm – 1:15 pm
**A Finite Element Analysis of Augmented Glenoid Components**
*Nikolas K. Knowles, MEng, G. Daniel G. Langohr, MEng, George S. Atwood, MD, FRCS, Louis M. Ferreira, PhD*

### Paper 24
1:15 pm – 1:20 pm
**Comparison of Reverse Total Shoulder Arthroplasty Outcomes with and without Repair of the Subscapularis**
*Richard J. Friedman, MD, FRCS, Pierre-Henri Flurin, MD, Thomas W. Wright, MD, Joseph D. Zuckerman, MD, Christopher Roche, MSE, MBA*

**Discussion**

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**American Shoulder and Elbow Surgeons**
1:30 pm – 1:40 pm  How-To Video II: Medial Collateral Ligament Reconstruction of the Elbow: 2 Techniques  
Christopher S. Abmad, MD, and Neal S. ElAttrache, MD

**Session VII: Rotator Cuff**

**Moderators:** Charles M. Jobin, MD, and Jay D. Keener, MD

**Paper 25**

1:40 pm – 1:45 pm  Identification of a Familial Predisposition for and a Genetic Variant Associated with Rotator Cuff Repair Healing  
Robert Z. Tashjian, MD, Erin K. Granger, MPH, Yue Zhang, PhD, Craig C. Teerlink, PhD, Lisa A. Cannon-Albright, PhD

**Paper 26**

1:45 pm – 1:50 pm  Sleep Disturbance Following Rotator Cuff Repair: A Prospective 2-Year Investigation  
Luke S. Austin, MD, Fotios P. Tjoumakaris, MD, Bradford S. Tucker, MD, Alvin C. Ong, MD, Nicholas J. Lombardi, BS, Matthew D. Pepe, MD

**Paper 27**

1:50 pm – 1:55 pm  Correlation of Clinical Outcomes of Retear and Tear Progression after Arthroscopic Rotator Cuff Repair  
Sang-Jin Shin, MD, PhD, Juyeob Lee, MD, Young-Won Koh, MD

**Paper 28**

1:55 pm – 2:00 pm  Initiation of Rotator Cuff Tears: MRI Study of 245 Shoulders  
Seung Gyoong Kang, MD, Seung Yeop Song, MD, Keun Min Park, MD, Jae Chul Yoo, MD

2:00 pm – 2:10 pm  Discussion

**Session VIII: Miscellaneous/Trauma**

**Moderators:** T. Bradley Edwards, MD, and Charles L. Getz, MD

**Paper 29**

2:10 pm – 2:15 pm  Metal Allergy in Shoulder Arthroplasty Patients  
Jia-Wei Kevin Ko, MD, Thema A. Nicholson, MS, C. Edward Hoffler, MD, Gerald R. Williams, Jr., MD, Charles L. Getz, MD

**Paper 30**

2:15 pm – 2:20 pm  Periprosthetic Shoulder Infection: One-Stage Better Than Two-Stage?  
Geoffrey P. Stone, MD, Rachel Clark, BA, CCR, Kathleen C. O’Brien, BS, Lisa Vaccaro, BS, Richard S. Tannenbaum, BS, Benjamin J. Cottrell, BS, Adam Lorenzetti, MD, Brent Stephens, MD, Peter Simon, PhD, Derek Pupello, MBA, Mark A. Franke, MD

**Paper 31**

2:20 pm – 2:25 pm  The Timing of Elective Shoulder Surgery after Intra-articular Shoulder Injection Affects Postoperative Infection Risk  
Brian C. Werner, MD, Jourdan M. Cancienne, MD, Justin W. Griffin, MD, M. Tyrrell Burre, MD, F. Winston Gwathmey, MD, Stephen P. Brockmeier, MD

**Paper 32**

2:25 pm – 2:30 pm  The Incidence of Subsequent Shoulder Surgery Following Isolated Arthroscopic Superior Labrum Anterior and Posterior (SLAP) Repairs  
Brent Mollon, MD, FRCSC, Siddbarth A. Mahure, MD, Kelsey L. Ensor, MD, Joseph D. Zuckerman, MD, Young W. Kwon, MD, PhD, Andrew S. Rokito, MD

**Paper 33**

2:30 pm – 2:35 pm  Liposomal Bupivacaine vs. Interscalene Nerve Block for Pain Control after Shoulder Arthroplasty: A Retrospective Cohort Analysis  
Umasuthan Srikumaran, MD, MBA, Catherine Hamman, BS, Matthew Albrecth, MHS, Edward G. McFarland, MD, Bashir A. Zikria, MD, MSc, Steve A. Petersen, MD

2:35 pm – 2:40 pm  Discussion

2:45 pm – 3:15 pm  Symposium III: Emerging Technologies in Arthroplasty  

**Moderator:** Thomas (Quin) Throckmorton, MD

2:45 pm  Alternative Bearing Surfaces in the Shoulder  
Matthew L. Ramsey, MD

2:55 pm  Computer Based Surgical Planning  
Joseph P. Iannotti, MD, PhD

3:05 pm  Patient Specific Instrumentation  
Gilles Waleh, MD

3:15 pm – 3:30 pm  Break

American Shoulder and Elbow Surgeons
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<td><strong>Moderators:</strong> Lawrence V. Gulotta, MD, and James E. Carpenter, MD</td>
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<td><strong>Paper 34</strong></td>
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<td><strong>Felix H. Savoie, III, MD</strong></td>
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<td>Effect of Hypercholesterolemia on Fatty Infiltration and Rotator Cuff Healing in a Chronic</td>
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<td>Rotator Cuff Tear Model of Rabbit</td>
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<td><strong>Graham J.W. King, MD, FRCSC</strong></td>
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<td><strong>Paper 35</strong></td>
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<td>2D/3D Image Registration to Determine Host Bone Coverage of Glenoid Side Reverse Shoulder</td>
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<td><strong>Paper 36</strong></td>
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