American Shoulder and Elbow Surgeons
Specialty Day Meeting
Orange County Convention Center
West Building, Room W311
Saturday, March 5, 2016 – Orlando, Florida

Presenters are listed in bold.

As of 3/2/16

Leesa M. Galatz, MD, and Peter B. MacDonal, MD, FRCSC, Program Co-Chairs

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

Paper #3
7:40 – 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, Russell F. Warren, MD, Lawrence V. Gulotta, MD

Paper #4
7:45 – 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 G. Santoni, PhD, Mark A. Frankle, MD

7:50 – 8:00 am Discussion

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

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

† Indicates those faculty presentations in which the FDA has not cleared the drug and/or medical device for the use described (i.e., the drug or medical device is being discussed for an “off label” use).

† Indicates paper nominated for Neer Award.
Paper #5  8:10 – 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. Brolin, MD, Ryan P. Mulligan, MD, Frederick M. Azar, MD, Thomas (Quin) Throckmorton, MD*

Paper #6  8:15 – 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*

Paper #7  8:20 – 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 – 8:30 am  † Immediate vs. Delayed Passive Range of Motion Following Total Shoulder Arthroplasty  
*Patrick J. Denard, MD, Alexandre Lädermann, MD*

8:30 – 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 – 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. Tjoumakaris, MD*

Paper #10  8:45 – 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 – 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 – 9:00 am  The Role of Vitamin D Deficiency in Rotator Cuff Integrity: Does It Affect Post-Operative Healing?  
*Ryan M. Degen, MD, MSc, FRCSC, Danyal H. Nawabi, MD, FRCS (Orth), Julia Gromis, BA, Heather M. Kawalick, BA, Edward V. Craig, MD, Frank A. Cordasco, MD, Scott A. Rodeo, MD, Russell F. Warren, MD, Lawrence V. Gulotta, MD*

9:00 – 9:10 am  Discussion

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9:10 – 9:40 am

**Symposium I: How I Use Basic Science Data to Influence My Treatment of Rotator Cuff**

*Moderator: Scott A. Rodeo, MD*

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

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**Session IV: Elbow**

*Moderators: April D. Armstrong, MD, and Leesa M. Galatz, MD*

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<thead>
<tr>
<th>Paper #13</th>
<th>10:10 – 10:15 am</th>
<th>Correlation of the CT, MRI, and Intraoperative Findings of Elbow Osteochondritis Dissecans (OCD)</th>
<th><em>Ezekiel E. Shotts, MD, Mark S. Collins, MD, Jeffrey R. Bond, MD, Shawn W. O'Driscoll, PhD, MD</em></th>
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<tr>
<td>Paper #14</td>
<td>10:15 – 10:20 am</td>
<td>Arthroscopic vs. Open Lateral Release for the Treatment of Lateral Epicondylitis: A Prospective Randomized Controlled Trial</td>
<td><em>Peter B. MacDonald, MD, FRCSC, Tod Clark, MD, FRCSC, Sheila McRae, MSc, PhD, Jeff Leiter, MSc, PhD, Jamie Dubberley, MD, FRCSC</em></td>
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<tr>
<td>Paper #15</td>
<td>10:20 – 10:25 am</td>
<td>Factors that Determine Supination Strength Following Distal Biceps Repair</td>
<td><em>Christopher C. Schmidt, MD, Brandon T. Brown, MS, Lars M. Qvick, MD, Rafal Stachowicz, MD, Carmen Latona, MD, Mark C. Miller, PhD</em></td>
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<tr>
<td>Paper #16</td>
<td>10:25 – 10:30 am</td>
<td>The Use of Indomethacin in the Prevention of Postoperative Radioulnar Synostosis after Distal Biceps Repair</td>
<td><em>Callista Costopoulos, DO, Joseph A. Abboud, MD, Matthew L. Ramsey, MD, Charles L. Getz, MD, Daniel Sholder, BS, John P. Taras, BS, Daniel Huttman, MD, Mark D. Lazarus, MD</em></td>
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10:30 – 10:40 am Discussion

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† Indicates paper nominated for Neer Award.
10:40 – 11:20 am

**Symposium II: My Top 10 Tips for Getting It Perfect**

*Moderator: Peter B. MacDonald, MD, FRCSC*

10:40 am    Reducing a Displaced Proximal Humerus Fracture  
*Bradford O. Parsons, MD*

10:50 am    Repairing a Massive Cuff Tear  
*Stephen S. Burkhart, MD*

11:00 am    Exposing a Glenoid in Preparation for an Arthroplasty  
*Evan L. Flatow, MD*

11:10 am    Discussion

**NEER AWARD PRESENTATION**

11:20 – 11:30 am   Neer Award Presentation  
*William J. Mallon, MD, President*

**Session V: Instability**

*Moderators: Surena Namdari, MD, MSc, and J. Michael Wiater, MD*

Paper #17

11:30 – 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 Kyo Jeong, MD, Masaki Akeda, MD, Alex Peterson, BA, Michelle McGarry, MS, Patrick J. Denard, MD, Stephen S. Burkhart, MD, Thay Q. Lee, PhD*

Paper #18

11:35 – 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 Mascalenas, 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 – 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. Provencher, MD*

Paper #20

11:45 – 11:50 am   Predictors for Surgery in Shoulder Instability: A Retrospective Cohort Study using the FEDS System  
*George F. Lebus, MD, Martin B. Raynor, MD, Samuel K. Nwosu, MS, Emily Wagstrom, MD, Sunil S. Jani, MD, MS, James L. Carey, MD, MPH, Carolyn M. Hettrich, MD, MPH, Charles L. Cox, MD, MPH, John E. (Jed) Kuhn, MD*

11:50 am – 12:00 pm   Discussion

12:00 – 1:00 pm   Lunch

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### Session VI: Arthroplasty

**Moderators:** Dean G. Sotereanos, MD, and Edwin E. Spencer, Jr., MD

<table>
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<tr>
<th>Paper #21</th>
<th>1:00 – 1:05 pm</th>
<th>Determining the Minimal Clinically Important Difference (MCID) for the ASES, SST and VAS Pain after Total Shoulder Arthroplasty (TSA)</th>
<th>Robert Z. Tashjian, MD, Jay D. Keener, MD, Jared McAllister, MD, Gregory Ebersole, MD, MS, Erin K. Granger, MPH, Wei Chen, PhD, MS, Man Hung, PhD, Aaron M. Chamberlain, MD</th>
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<tr>
<td>Paper #22</td>
<td>1:05 – 1:10 pm</td>
<td>Reverse Shoulder Arthroplasty in Patients with Impaired Lower Extremities</td>
<td>Adam L. Kemp, BS, Thomas W. Wright, MD</td>
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<td>Paper #23</td>
<td>1:10 – 1:15 pm</td>
<td>A Finite Element Analysis of Augmented Glenoid Components</td>
<td>Nikolas K. Knowles, MESc, G. Daniel G. Langohr, MASc, George S. Athwal, MD, FRCSC, Louis M. Ferreira, PhD</td>
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<tr>
<td>Paper #24</td>
<td>1:15 – 1:20 pm</td>
<td>Comparison of Reverse Total Shoulder Arthroplasty Outcomes with and without Repair of the Subscapularis</td>
<td>Richard J. Friedman, MD, FRCSC, Pierre-Henri Flurin, MD, Thomas W. Wright, MD, Joseph D. Zuckerman, MD, Christopher Roche, MSE, MBA</td>
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<td>1:20 – 1:30 pm</td>
<td>Discussion</td>
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<td>1:30 – 1:40 pm</td>
<td><strong>How-To Video II:</strong> Medial Collateral Ligament Reconstruction of the Elbow: 2 Techniques</td>
<td>Christopher S. Ahmad, MD, and Neal S. ElAttrache, MD</td>
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### Session VII: Rotator Cuff

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

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<tr>
<th>Paper #25</th>
<th>1:40 – 1:45 pm</th>
<th>† Identification of a Familial Predisposition for and a Genetic Variant Associated with Rotator Cuff Repair Healing</th>
<th>Robert Z. Tashjian, MD, Erin K. Granger, MPH, Yue Zhang, PhD, Craig C. Teerlink, PhD, Lisa A. Cannon-Albright, PhD</th>
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<tr>
<td>Paper #26</td>
<td>1:45 – 1:50 pm</td>
<td>Sleep Disturbance Following Rotator Cuff Repair: A Prospective 2-Year Investigation</td>
<td>Luke S. Austin, MD, Fotios P. Tjoumakaris, MD, Bradford S. Tucker, MD, Alvin C. Ong, MD, Nicholas J. Lombardi, BS, Matthew D. Pepe, MD</td>
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<td>Paper #27</td>
<td>1:50 – 1:55 pm</td>
<td>Correlation of Clinical Outcomes of Retear and Tear Progression after Arthroscopic Rotator Cuff Repair</td>
<td>Sang-Jin Shin, MD, PhD, Juyeob Lee, MD, Young-Won Koh, MD</td>
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<tr>
<td>Paper #28</td>
<td>1:55 – 2:00 pm</td>
<td>Initiation of Rotator Cuff Tears: MRI Study of 245 Shoulders</td>
<td>Seung Gyooon Kang, MD, Seung Yeop Song, MD, Keun Min Park, MD, Jae Chul Yoo, MD</td>
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<td>2:00 – 2:10 pm</td>
<td>Discussion</td>
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Session VIII: Miscellaneous/Trauma

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

Paper #29
2:10 – 2:15 pm  † Metal Allergy in Shoulder Arthroplasty Patients
Jia-Wei Ko, MD, Thema Nicholson, MS, C. Edward Höffler, MD, Gerald R. Williams, Jr., MD, Charles L. Getz, MD

Paper #30
2:15 – 2:20 pm  † Periprosthetic Shoulder Infection: One-Stage Better Than Two-Stage?
Geoffrey P. Stone, MD, Rachel Clark, BA, CCRC, 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. Frankle, MD

Paper #31
2:20 – 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 Burrus, MD, F. Winston Gwathmey, MD, Stephen F. Brockmeier, MD

Paper #32
2:25 – 2:30 pm  The Incidence of Subsequent Shoulder Surgery Following Isolated Arthroscopic Superior Labrum Anterior and Posterior (SLAP) Repairs
Brent Mollon, MD, FRCSC, Siddharth A. Mahure, MD, Kelsey L. Ensor, MD, Joseph D. Zuckerman, MD, Young W. Kwon, MD, PhD, Andrew S. Rokito, MD

Paper #33
2:30 – 2:35 pm  Liposomal Bupivacaine vs. Interscalene Nerve Block for Pain Control after Shoulder Arthroplasty: A Retrospective Cohort Analysis
Umasuthan Srikumaran, MD, MBA, Catherine Hannan, BS, Matthew Albrecht, MHS, Edward G. McFarland, MD, Bashir A. Zikria, MD, MSc, Steve A. Petersen, MD

2:35 – 2:45 pm  Discussion

2:45 – 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
Eric T. Ricchetti, MD

3:05 pm  Patient Specific Instrumentation
Gilles Walch, MD

3:15 – 3:30 pm  Break
Session IX: Basic Science 2
Moderators: Lawrence V. Gulotta, MD, and Surena Namdari, MD, MSc

Paper #34
3:30 – 3:35 pm † Effect of Hypercholesterolemia on Fatty Infiltration and Rotator Cuff Healing in a Chronic Rotator Cuff Tear Model of Rabbit
Joo Han Oh, MD, PhD, Seok Won Chung, MD, Sae Hoon Kim, MD, HaeBong Park, MD, Jieun Kwon, MD, Jong Pil Yoon, MD

Paper #35
3:35 – 3:40 pm † 2D/3D Image Registration to Determine Host Bone Coverage of Glenoid Side Reverse Shoulder Implants
Andres F. Cabezas, BS, MS, Peter Simon, PhD, Adam Lorenzetti, MD, Kristi Krebes, BS, Brandon G. Santoni, PhD, Geoffrey P. Stone, MD, Rachel Clark, BA, CCRC, Mark A. Frankle, MD

Paper #36
3:40 – 3:45 pm † Histological Quantification of Chronic Human Rotator Cuff Muscle Degeneration
Anshuman Singh, MD, Michael C. Gibbons, MS, Oke A. Anakwenze, MD, Timothy Cheng, MD, Hassan Azimi, MD, Simon Schenk, PhD, Samuel R. Ward, PT, PhD

3:45 – 3:55 pm Discussion

3:55 – 4:25 pm Symposium IV: New Frontiers in Elbow Pathology – Pushing the Boundaries
Moderator: Matthew L. Ramsey, MD

3:55 pm Lateral Epicondylitis: Stick to the Tried and True vs. New Technology
Felix H. Savoie, III, MD

4:05 pm Radial Head Replacement- Have We Come Any Closer to the Real Thing
Graham J.W. King, MD, FRCSC

4:15 pm Elbow Replacement: Expanding the Indications
Shawn W. O’Driscoll, PhD, MD

4:25 pm Panel Discussion

4:35 pm Adjourn

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