Dear Colleague:

Welcome to Chicago! It is an honor and privilege to have you join us for AANA18, the 36th Annual Meeting of the Arthroscopy Association of North America (AANA).

The 36th Annual Meeting is a comprehensive and innovative event with 86 Scientific Podium Presentations, four moderated Live Surgeries, Comprehensive Instructional Course Lectures, Outstanding Clinical Case Panels, Cutting-Edge Symposia and Case-Based Controversies designed specifically to allow each surgeon to find the sessions that best meet their individual needs.

We appreciate that you have taken time away from your family and practice to be here for the meeting. We have tried hard to develop a program that is filled with interesting and helpful material and takes full advantage of every minute in the hope registrants truly feel that the meeting offers an excellent return on investment. Please take advantage of the opportunities. Innovation and education are at the heart of AANA’s mission, and we invite you to ask tough questions, engage in the debates and challenge traditional concepts as we present tomorrow’s new techniques today.

We are thrilled that Italy is our featured nation and we want to extend a special welcome to our Italian colleagues. The Italian faculty represents outstanding European leaders and they will add their unique perspective to the dialog and presentations offered this year.

Diamo il benvenuto ai colleghi italiani! Siamo felici di ospitarvi a Chicago per un meeting così importante. La vostra presenza migliora l’esperienza di tutti i partecipanti e non vediamo l’ora di conoscere il vostro punto di vista e le vostre tecniche. Siamo certi che troverete il meeting accogliente e utile e speriamo sinceramente che tornerete a casa con numerose nuove perle tecniche che miglioreranno le vostre pratiche e aiuteranno i vostri pazienti.

If this is your first meeting, or you are not yet a member, we hope that you will make new friends, learn new concepts and recognize that AANA is the society that best represents you and your practice. For those familiar with AANA, we hope that this meeting satisfies your desire for innovation, education, camaraderie and all that the great city of Chicago has available.

Enjoy the meeting. Thank you for joining us!
Table of Contents

Schedule At-A-Glance ........................................................................................................ 4-5
2018 AANA Volunteers & Leadership ............................................................................ 6-7
Thursday, Scientific Program ..................................................................................... 8-12
Friday, Scientific Program ......................................................................................... 14-21
Saturday, Scientific Program ...................................................................................... 23-27
Special Sessions .......................................................................................................... 28
Residents & Fellows Day ............................................................................................. 29
Award Winners ............................................................................................................. 30
Instructional Course Lectures ..................................................................................... 32-39
CME Information ........................................................................................................ 40-41
Industry Presentations ............................................................................................... 42
Committee Meetings ................................................................................................... 43
Exhibitor Directory .................................................................................................... 47-52
Registration and General Information ...................................................................... 56
Disclosures .................................................................................................................. 59-66

Premier Orthopaedic Pass Attendees!
Look for the special logo throughout the meeting to take advantage of your enhanced meeting benefits!

The Gold Standard in Arthroscopic Education
AANA has been surveyed by the ACCME and awarded a coveted Accreditation with Commendation for six years as a provider of CME for physicians. We are proud to be awarded the highest possible recognition and strive for excellence in arthroscopic surgical education.

AANA FEATURED NATION
Help us welcome Italy as the Guest Nation for the 2018 AANA Annual Meeting.

AANA welcomes Italy!
<table>
<thead>
<tr>
<th><strong>AANA18</strong></th>
<th><strong>Schedule-at-a-Glance</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>REGISTRATION</strong></td>
<td><strong>Wednesday, April 25</strong></td>
</tr>
<tr>
<td></td>
<td>3:00 – 6:00 p.m.</td>
</tr>
</tbody>
</table>
| **SCIENTIFIC SESSIONS** |  | Shoulder 8:30 – 9:05 a.m.  
Shoulder 9:15 – 9:50 a.m.  
Shoulder 11:00 – 11:30 a.m.  
Knee 2:20 – 3:00 p.m.  
Knee 4:05 – 4:35 p.m. |
| **FEATURED LECTURES** |  | Shoulder 9:05 – 9:15 a.m.  
Knee 3:00 – 3:15 p.m.  
Knee 3:55 – 4:05 p.m.  
Knee 4:35 – 4:50 p.m. |
| **LIVE SURGERY SIMULCASTS** |  | Shoulder 10:00 – 10:30 a.m.  
Shoulder 1:35 – 2:20 p.m. |
| **CLINICAL CASE PANELS** |  | Shoulder 10:30 – 11:00 a.m.  
Knee 3:15 – 3:55 p.m. |
| **SYMPOSIA** |  | Shoulder 11:35 a.m. – 12:20 p.m. |
| **INSTRUCTIONAL COURSE LECTURES** |  | ICLs (101-105) 5:00 – 6:30 p.m. |
| **INDUSTRY PRESENTATIONS** | 5:15 – 6:00 p.m. | 6:45 – 7:45 a.m. |
| **EXHIBIT HALL** |  | 7:00 – 8:30 p.m. |
| **SPECIAL EVENTS** | Past President’s Reception 7:00 – 8:30 p.m. | Welcome and Introduction 8:00 – 8:10 a.m.  
Opening Ceremony 8:10 – 8:20 a.m.  
International Perspective 8:20 – 8:30 a.m.  
The Biology of Rotator Cuff Healing 12:20 – 12:30 p.m.  
First Business Meeting 12:30 – 1:30 p.m.  
Brew vs. Wine 5:00 – 6:30 p.m.  
Welcome Reception 7:00 – 8:30 p.m. |

*Premier Orthopaedic Pass Attendees!* Fill up your POP thermos with **FREE STARBUCKS COFFEE** throughout the meeting. (Level 2)
<table>
<thead>
<tr>
<th>Time</th>
<th>Friday, April 27</th>
<th>Saturday, April 28</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>REGISTRATION</strong></td>
<td>6:30 a.m. – 3:00 p.m.</td>
<td>6:30 a.m. – Noon</td>
</tr>
<tr>
<td><strong>SCIENTIFIC SESSIONS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Knee</td>
<td>9:30 – 10:05 a.m.</td>
<td>Concurrent Scientific Session I: Simulation/Education 9:30 – 10:05 a.m.</td>
</tr>
<tr>
<td><strong>Concurrent Scientific Session I: Hip</strong></td>
<td>1:30 – 2:10 p.m.</td>
<td>2:40 – 3:20 p.m.</td>
</tr>
<tr>
<td><strong>Concurrent Scientific Session II: Shoulder &amp; Elbow</strong></td>
<td>Shoulder 1:00 – 1:40 p.m.</td>
<td>Elbow 2:25 – 3:00 p.m.</td>
</tr>
<tr>
<td><strong>Concurrent Scientific Session III: Case-Based Debates</strong></td>
<td>1:00 – 4:30 p.m.</td>
<td></td>
</tr>
<tr>
<td><strong>FEATURED LECTURES</strong></td>
<td><strong>Shoulder</strong> 1:00 – 1:10 p.m.</td>
<td><strong>Shoulder</strong> 1:40 – 1:55 p.m.</td>
</tr>
<tr>
<td><strong>Shoulder</strong></td>
<td>1:00 – 1:40 p.m.</td>
<td>3:20 – 4:00 p.m.</td>
</tr>
<tr>
<td><strong>Elbow</strong></td>
<td>2:25 – 3:00 p.m.</td>
<td></td>
</tr>
<tr>
<td><strong>Biceps</strong></td>
<td>3:20 – 4:00 p.m.</td>
<td></td>
</tr>
<tr>
<td><strong>LIVE SURGERY SIMULCASTS</strong></td>
<td>Knee 9:00 – 9:30 a.m.</td>
<td>Hip 1:00 – 1:30 p.m.</td>
</tr>
<tr>
<td><strong>CLINICAL CASE PANELS</strong></td>
<td>Should 1:55 – 2:25 p.m.</td>
<td>Hip 2:10 – 2:40 p.m.</td>
</tr>
<tr>
<td><strong>SYMPOSIA</strong></td>
<td>Knee 10:05 – 10:55 a.m.</td>
<td>Should 10:50 – 11:30 a.m.</td>
</tr>
<tr>
<td><strong>INSTRUCTIONAL COURSE LECTURES</strong></td>
<td>ICLs (201-206) 7:00 – 8:30 a.m.</td>
<td>ICLs (301-306) 7:00 – 8:30 a.m.</td>
</tr>
<tr>
<td><strong>INDUSTRY PRESENTATIONS</strong></td>
<td>Noon – 1:00 p.m.</td>
<td></td>
</tr>
<tr>
<td><strong>EXHIBIT HALL</strong></td>
<td>6:30 a.m. – 2:00 p.m.</td>
<td>6:30 – 10:00 a.m.</td>
</tr>
<tr>
<td><strong>SPECIAL EVENTS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>International Breakfast</td>
<td>6:30 – 7:30 a.m.</td>
<td>Knot Tying Challenge 7:00 – 10:00 a.m.</td>
</tr>
<tr>
<td>Presidential Speaker</td>
<td>10:55 – 11:50 a.m.</td>
<td>Special Presentations 9:00 – 9:15 a.m.</td>
</tr>
<tr>
<td>Development Update</td>
<td>11:50 – 11:55 a.m.</td>
<td>AANA: Your Greatest Advocate 9:15 – 9:20 a.m.</td>
</tr>
<tr>
<td>Orthopaedic Learning Center (OLC) Update</td>
<td>11:55 a.m. – Noon</td>
<td>Mini-Debate: Hip 3:20 – 3:35 p.m.</td>
</tr>
<tr>
<td><strong>Residents and Fellows Day</strong></td>
<td>4:00 – 8:00 p.m.</td>
<td>A-Tech and Ales 5:00 – 6:30 p.m.</td>
</tr>
<tr>
<td><strong>AANA Education Foundation Donor Reception (by invitation only)</strong></td>
<td>7:00 – 9:00 p.m.</td>
<td></td>
</tr>
</tbody>
</table>
2018 PROGRAM CHAIR
Mark H. Getelman, M.D.

2018 ABSTRACT REVIEWERS
Kevin F. Bonner, M.D.
William J. Ciccone, M.D.
Dana C. Covey, M.D.
Alan S. Curtis, M.D.
Brian D. Dickerson, M.D.
Julie A. Dodds, M.D.
Michael D. Feldman, M.D.
Richard D. Ferkel, M.D.
Larry D. Field, M.D.
Carlos A. Guanche, M.D.
John D. Kelly, IV, M.D.
Jason L. Koh, M.D.
Aaron Krych, M.D.
Scott P. Steinmann, M.D.
James W. Stone, M.D.
John M. Tokish, M.D.
Christopher W. Uggen, M.D.

2018 ICL REVIEWERS
Matthew T. Provencher, M.D., CAPT, MC USNR, Chair, Education Committee
Aaron Krych, M.D.
Carlos A. Guanche, M.D.
William J. Ciccone, M.D.
Robert A. Pedowitz, M.D.
Keith D. Nord, M.D.
Michael J. O’Brien, M.D.
Victor Ilizaliturri, M.D.
Craig D. Morgan, M.D.
Alan S. Curtis, M.D.
Laith Jazrawi, M.D.

2017–2018 BOARD DIRECTORS
Robert E. Hunter, M.D., President
Louis F. McIntyre, M.D., First Vice President
Larry D. Field, M.D., Second Vice President
Brian J. Cole, M.D., M.B.A., Treasurer
Mark H. Getelman, M.D., Secretary
John C. Richmond, M.D., Immediate Past President
Jeffrey S. Abrams, M.D., Past President
Alan S. Curtis, M.D., Member At-Large
Julie A. Dodds, M.D., Member At-Large
John D. Kelly IV, M.D., Member At-Large
J. Martin Leland III, M.D., Member At-Large
Patrick St. Pierre, M.D., Member At-Large
James W. Stone, M.D., Member At-Large
John M. Tokish, M.D., Member At-Large

#AANA18
Share your meeting experience on social media and follow the AANA18 Social Media Ambassadors to see more of the action!
2018 AANA Volunteers & Leadership

FACULTY

Jeffrey S. Abrams, M.D.
Justin Aflatooni, M.D.
Michael J. Alaia, M.D.
Francesco Allegra, M.D.
Richard L. Angelo, M.D.
Elizabeth Arendt, M.D.
Justin W. Arner, M.D.
Saankritya Ayan, M.D.
Ahmad Badri, M.D.
Michael S. Bahk, M.D.
Travis Bailey, M.D.
F. A. Barber, M.D.
William R. Beach, M.D.
Andrew J. Cosgarea, M.D.
Frank A. Cordasco, M.D.
Brian J. Cole, M.D., M.B.A.
Mike Ciccotti, M.D.
Jessica Churchill, M.D.
Matthew C. Cords, M.D.
Robert Canham, M.D.
Susan L. Carlson, M.D.
Robert Christian, M.D.
John J. Christoforetti, M.D.
Jessica Churchill, M.D.
Michael C. Ciccotti, M.D.
Brian J. Cole, M.D., M.B.A.
William Conaway, M.D.
Frank A. Cordasco, M.D.
Andrew J. Cossiga, M.D.
Alan S. Curtis, M.D.
Amos Dai, M.D.
Robert Dean, M.D.
Juliet M. DeCampos, M.D.
Jean-Romain Delaloye, M.D.
Matteo Denti, M.D.
Aman Dhawan, M.D.
Paolo Di Benedetto, M.D.
Giovanni Di Giacomo, M.D.
Brian D. Dierckman, M.D.
Julia Lee, M.D.
J. Martin Leland, M.D.
J. M. Leland, M.D.
Mark J. Lemos, M.D.
Albert Lin, M.D.
Ian K. Lo, M.D.
Joseph Longo, M.D.
James H. Lubowitz, M.D.
Tun Hing Lui, M.D.
Travis G. Maak, M.D.
Matthew J. Matava, M.D.
Richard C. Mathur, M.D.
Dean K. Matsuda, M.D.
Leslie S. Matthews, M.D.
Elizabeth Matzkin, M.D.
Stephanie W. Mayer, M.D.
Louis F. McIntyre, M.D.
Giuseppe Milano, M.D.
Anthony Miniaci, M.D.
Raffy Mirzayan, M.D.
Craig D. Morgan, M.D.
Mary K. Mulcahey, M.D.
Volker Musahl, M.D.
Jonathan J. Myer, M.D.
Christopher Nacca, M.D.
Nischal Nadig, M.D.
Jeffrey J. Neppe, M.D.
Shane J. Nho, M.D.
Gregg Nicandri, M.D.
Verma Nikhil, M.D.
Thomas J. Noonan, M.D.
Keith D. Nord, M.D.
Frank R. Noyes, M.D.
Benedict U. Nwachukwu, M.D.
Michael J. O’Brien, M.D.
Gabriella Ode, M.D.
Kelechi O. Okoro, M.D.
Ravi B. Patel, M.D.
Nicholas Peters, M.D.
Marc J. Philippon, M.D.
Todd Pierce, M.D.
Kevin D. Plancher, M.D.
Giuseppe Porcellini, M.D.
Domenico Potestio, M.D.
Matthew T. Provencher, M.D.
Pietro Randelli, M.D.
Michael A. Rauh, M.D.
John C. Richmond, M.D.
Scott A. Rodeo, M.D.
Marina Rodriguez, M.D.
Michael J. Rossi, M.D.
Richard K.N. Ryu, M.D.
Adnan Saitama, M.D.
Michael J. Salata, M.D.
Matthew J. Salzler, M.D.
Nicola Santori, M.D.
Felix H. Savoie, M.D.
Michael Schallmo, M.D.
Anthony J. Scillia, M.D.
Nicholas A. Spaglione, M.D.
Seth L. Sherman, M.D.
Theodore B. Shybut, M.D.
Stephen J. Snyder, M.D.
Tianna Spencer, M.D.
Patrick St. Pierre, M.D.
Denver T. Stanfield, M.D.
John W. Stelzer, M.D.
William B. Stetson, M.D.
Eric C. Stiefel, M.D.
James W. Stone, M.D.
Jonathan A. Stone, M.D.
Allston J. Stubbs, M.D.
Favian Su, M.D.
Miho J. Tanaka, M.D.
James P. Tasto, M.D.
Joseph C. Tauro, M.D.
Stephen G. Thon, M.D.
Jonathan B. Ticker, M.D.
John M. Tokish, M.D.
Scott Trenhaile, M.D.
Georgios D. Tsikouris, M.D.
Christopher Tucker, M.D.
Carola van Eck, M.D.
Nikhil Verma, M.D.
Dean Wang, M.D.
Kevin Wang, M.D.
Brian R. Waterman, M.D.
Danielle Weekees, M.D.
Brian C. Werner, M.D.
Merrick J. Wetzler, M.D.
Jared A. Wolfe, M.D.
Ivan H. Wong, M.D.
Thomas H. Wuerz, M.D.
Kotaro Yamakado, M.D.
Adam Yanke, M.D.
Yi-Meng Yen, M.D.
Giovanni Zappala, M.D.
### Thursday, April 26, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 a.m. – 5:00 p.m.</td>
<td><strong>REGISTRATION</strong>&lt;br&gt;Sheraton Grand</td>
</tr>
<tr>
<td>6:30 – 7:30 a.m.</td>
<td><strong>INTERNATIONAL BREAKFAST</strong>&lt;br&gt;Fountainview Room</td>
</tr>
<tr>
<td>6:45 – 7:45 a.m.</td>
<td><strong>INDUSTRY PRESENTATIONS</strong>, ERIE, LEVEL 2</td>
</tr>
<tr>
<td>7:00 – 8:00 a.m.</td>
<td><strong>CONTINENTAL BREAKFAST</strong></td>
</tr>
<tr>
<td>8:00 – 8:10 a.m.</td>
<td><strong>WELCOME AND INTRODUCTION</strong></td>
</tr>
<tr>
<td></td>
<td>Robert E. Hunter, M.D. – President</td>
</tr>
<tr>
<td></td>
<td>Mark H. Getelman, M.D. – Program Chair</td>
</tr>
<tr>
<td></td>
<td>Lifetime Achievement Award – Howard J. Sweeney, M.D.</td>
</tr>
<tr>
<td>8:10 – 8:30 a.m.</td>
<td><strong>OPENING CEREMONY</strong></td>
</tr>
<tr>
<td></td>
<td>Introduction of International Society Presidents</td>
</tr>
<tr>
<td></td>
<td>Robert E. Hunter, M.D. – President</td>
</tr>
<tr>
<td>8:20 – 9:05 a.m.</td>
<td><strong>SCIENTIFIC SESSION: Shoulder Instability 1</strong></td>
</tr>
<tr>
<td></td>
<td>Moderators: Alan S. Curtis, M.D., Merrick Wetzler, M.D.</td>
</tr>
<tr>
<td>8:30 a.m.</td>
<td>SS-01 Incidence and Risk Factors for Revision of Arthroscopic Posterior Capsulolabral Reconstruction&lt;br&gt;Justin Arner, M.D., Sachidhanand Jayakumar, B.S., Dharmesh Vyas, M.D., James P. Bradley, M.D.</td>
</tr>
<tr>
<td>8:35 a.m.</td>
<td>SS-02 Posterior Glenoid Bone Deficiency: Incidence and Impact on Failure Following Arthroscopic Posterior Shoulder Stabilization&lt;br&gt;Jared Wolfe, M.D., Kyle Nappo, M.D., Michael Elsenbeck, M.D., Robert Waltz, M.D., Lance LeClere, M.D., Jonathan Dickens, M.D.</td>
</tr>
<tr>
<td>8:40 a.m.</td>
<td>SS-03 Nonoperative Management of Posterior Shoulder Instability: Survival Analysis and Predictors for Conversion to Surgery at 1 to 13 Years After Diagnosis&lt;br&gt;Julia Lee, M.D., Jarrett Woodmass, M.D., Aaron Krych, M.D., Nicholas Johnson, B.S., Christopher Camp, M.D., Diane Dahm, M.D.</td>
</tr>
<tr>
<td>8:45 a.m.</td>
<td>SS-04 Critical Glenoid Bone Loss in Posterior Shoulder Instability&lt;br&gt;Christopher Nacca, M.D., Joseph Gil, M.D., Rohit Badida, M.S., Joseph Crisco, M.D., Brett Owens, M.D.</td>
</tr>
<tr>
<td>8:50 a.m.</td>
<td>SS-05 Midterm Results After Shoulder Stabilization Using the Bony Bankart Bridge Technique&lt;br&gt;Jonathan Godin, M.D., M.B.A., Jonas Pogorzelski, M.D., Marilee Horan, M.P.H., Zaamin Hussain, B.A., Erik Fritz, M.D.</td>
</tr>
<tr>
<td>8:55 a.m.</td>
<td><strong>DISCUSSION</strong></td>
</tr>
<tr>
<td>9:00 a.m.</td>
<td><strong>QUESTIONS AND ANSWERS</strong></td>
</tr>
</tbody>
</table>

---

**Premier Orthopaedic Pass Attendees!**

Access the POP-exclusive lounge throughout the meeting.<br>Open daily from 9:00 a.m. to 4:00 p.m.<br>(Arkansas Room, Level 2)

**Jackson Society Members!**

Please stop by the Jackson Society Lounge<br>Open daily from 9:00 a.m. to 4:00 p.m.<br>(Across the General Session Hall in the Lobby)
Evolving Concepts in the Care of Women in Sports: An Update in 2018

Review the benefits and rationale behind creating an interdisciplinary team to care for active women. The non-modifiable and modifiable risk factors that place women at increased risk for ACL tears as well as recommendations for injury presentation will also be discussed.
### Thursday, April 26, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Panel/Abstract</th>
</tr>
</thead>
</table>
| 10:30 – 11:00 a.m. | Clinical Case Panel: Rotator Cuff Tears That Keep Us Up at Night                         | Moderator: Richard K.N. Ryu, M.D.  
Panelists: Stephen J. Snyder, M.D., Jeffrey S. Abrams, M.D., Pietro Randelli, M.D., Richard L. Angelo, M.D., Enrico Gervasi, M.D., John M. Tokish, M.D., Frank A. Cordasco, M.D. |
| 11:00 – 11:30 a.m. | **SCIENTIFIC SESSION: Shoulder Rotator Cuff II**                                           | Moderators: Jonathan B. Ticker, M.D., Joseph P. Burns, M.D.                     |
| 11:00 a.m.    | SS-11 Partial and Full Thickness Rotator Cuff Repair With Bioinductive Implants           | Louis F. McIntyre, M.D., Brandon D. Bushnell, M.D., Scott W. Trenhaile, M.D., Paul B. Brown, III, D.O., MBS |
| 11:05 a.m.    | SS-12 Preliminary Results With the Use of a Bioinductive Collagen Patch in the Setting of Large and Massive Rotator Cuff Tears | Stephen G. Thon, M.D., Lawrence K. O’Malley, M.D., Michael J. O’Brien, M.D., Felix H. Savoie III, M.D. |
| 11:10 a.m.    | SS-13 Evaluation of a Biodegradable Subacromial Balloon Spacer on Glenohumeral Joint Biomechanic in the Setting of Irreparable Superior Rotator Cuff Tears | Robert B. Canham, M.D., Anand Murthi, M.D., Joseph A. Abboud, M.D., Ryan Cox, B.A., Brent Parks, Roshan Melvani, M.D. |
| 11:15 a.m.    | SS-14 The Biologic Tuberoptlasty Effect in Failed SCR and Bridging Procedures With Dermal Allograft Can Still Improve Pain and Function | Raffy Mirzayan, M.D., Michael Stone, M.D., Michael Batech, Dr.P.H., Daniel Acevedo, M.D., Anshu Singh, M.D. |
| 11:25 a.m.    | DISCUSSION                                                                                 |                                                                                |
| 11:30 a.m.    | QUESTIONS AND ANSWERS                                                                      |                                                                                |
| 11:35 a.m. – 12:20 p.m. | **SYMPOSIUM I: The Massive Rotator Cuff Dilemma**                                         | Moderator: Brian J. Cole, M.D., M.B.A.                                         |
| 11:35 a.m.    | SS-16 A Partial Repair and Tenodesis Is a Reasonable Option                               | Jeffrey S. Abrams, M.D.                                                        |
| 11:42 a.m.    | SS-17 Most Can be Repaired and a Biologic Graft Might Help                                | Felix H. Savoie III, M.D.                                                      |
| 11:49 a.m.    | SS-18 Arthroscopic Tendon Transfer Is My Best Option                                       | Enrico Gervasi, M.D.                                                           |
| 11:56 a.m.    | SS-19 The Superior Capsular Reconstruction Is the Way To Go Today!                         | Stephen S. Burkhart, M.D.                                                      |
| 12:03 p.m.    | SS-20 The Balloon Option – A Simple Solution For The Future                               | Scott W. Trenhaile, M.D.                                                       |
| 12:10 p.m.    | QUESTIONS AND ANSWERS                                                                      |                                                                                |
| 12:20 – 12:30 p.m. | Biologic Augmentation of Rotator Cuff Repairs                                              | Speaker: Jason L. Dragoo, M.D.                                                 |
**Thursday, April 26, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:30 – 1:30 p.m.</td>
<td><strong>FIRST BUSINESS MEETING (MEMBERS ONLY)</strong>&lt;br&gt;Lunch Provided</td>
</tr>
<tr>
<td>1:35 – 2:20 p.m.</td>
<td><strong>LIVE SURGERY SIMULCAST: Superior Capsular Reconstruction</strong>&lt;br&gt;Moderator: Joseph P. Burns, M.D.&lt;br&gt;Surgeon: Brian J. Cole, M.D., M.B.A.</td>
</tr>
<tr>
<td>2:20 – 3:00 p.m.</td>
<td><strong>SCIENTIFIC SESSION: Knee Ligament</strong>&lt;br&gt;Moderators: John D. Kelly IV, M.D., Mary K. Mulcahey, M.D.</td>
</tr>
<tr>
<td>2:20 p.m.</td>
<td>SS-16  <strong>Femoral Nerve Block for ACL Reconstruction Causes Lasting Fast Quadriceps Activation Deficits and May Increase Contralateral Injury Risk</strong>&lt;br&gt;Joshua Everhart, M.D., M.P.H., Langston Hughes, B.S., Katherine Swank, M.D., Caroline Lewis, DPT, David C. Flanigan, M.D.</td>
</tr>
<tr>
<td>2:25 p.m.</td>
<td>SS-17  <strong>Anteromedial Versus Transtibial Technique for Anatomic Single Bundle ACL Reconstruction: 5-Year Follow-Up Randomized Controlled Trial</strong>&lt;br&gt;Luca Godente, M.D., Agostino Tucciarone, M.D., Roberto Fabbri, M.D., Francesco Allegra, M.D.</td>
</tr>
<tr>
<td>2:30 p.m.</td>
<td>SS-18  <strong>Anterolateral Ligament Reconstruction Protects the Repaired Medial Meniscus: A Study of 383 ACL Reconstructions with a Minimum Two-Year Follow-Up</strong>&lt;br&gt;Jean-Romain Delaloye, M.D., Adnan Saithna, B.Med.Sci. (Hons), M.B.Ch.B., DipSEM, M.Sc., FRCS (T&amp;O), William Blakeney, M.B.B.S., M.Sc., M.S., FRACS, Herve Ouanezar, M.D., Anrur Borade, M.D., Jean-Marie Fayard, M.D., Mathieu Thaunat, M.D., Bertrand Sonnery-Cottet, M.D.</td>
</tr>
<tr>
<td>2:35 p.m.</td>
<td>SS-19  <strong>Risk Factors for Manipulation Under Anesthesia and/or Lysis of Adhesions Following Anterior Cruciate Ligament Reconstruction</strong>&lt;br&gt;Joel Huleatt, M.D., Michael Gottschalk, M.D., Kelsey Fraser, ATC, OTC, Allison Boden, M.D., Poonam Dalwadi, B.S., John Xerogeanes, M.D., Kyle Hammond, M.D.</td>
</tr>
<tr>
<td>2:40 p.m.</td>
<td>SS-20  <strong>Effect of Delayed Anterior Cruciate Ligament Reconstruction on Meniscal and Chondral Damage in Adults Aged 40 Years and Older</strong>&lt;br&gt;Jonathan A. Stone, M.D., Teron Nezwek, B.S., Gabriel Perrone, B.A., Steven Vlad, M.D., Qingping Cui, M.P.H., John C. Richmond, M.D., Matthew J. Salzler, M.D.</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td><strong>DISCUSSION</strong></td>
</tr>
<tr>
<td>2:50 p.m.</td>
<td><strong>QUESTIONS AND ANSWERS</strong></td>
</tr>
<tr>
<td>3:00 – 3:15 p.m.</td>
<td><strong>FEATURE LECTURE: The Evolution of ACL Reconstruction in My Lifetime</strong>&lt;br&gt;Introduction: Robert E. Hunter, M.D.&lt;br&gt;International Guest Speaker: Matteo Denti, M.D.</td>
</tr>
<tr>
<td>3:15 – 3:55 p.m.</td>
<td><strong>Clinical Case Panel: Complex Knee Injuries</strong>&lt;br&gt;Moderator: Nicholas A. Sgaglione, M.D.&lt;br&gt;Panelists: William R. Beach, M.D., John P. Fulkerson, M.D., Kevin F. Bonner, M.D., Andrea Ferretti, M.D., Robert E. Hunter, M.D., Giuseppe Milano, M.D., Juliet M. DeCampos, M.D.</td>
</tr>
<tr>
<td>3:55 – 4:05 p.m.</td>
<td><strong>FEATURE LECTURE: Why I Do MPFL Versus TT Transfer</strong>&lt;br&gt;Speaker: Elizabeth A. Arendt, M.D.</td>
</tr>
</tbody>
</table>

Snap a picture during your favorite Thursday session and share it on social media.
### Scientific Program

**Thursday, April 26, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:05 – 4:35 p.m.</td>
<td><strong>SCIENTIFIC SESSION: Knee Patellofemoral</strong> Moderators: Julie A. Dodds, M.D., Juliet M. DeCampos, M.D.</td>
<td><strong>Isolated Medial Patellofemoral Ligament Repair Versus Reconstruction: Rates and Risk Factors or Instability Recurrence in a Young, Active Population</strong></td>
<td>Brian Forsythe, M.D., Brian R. Waterman, M.D., William Zuke, M.S., Richard Puzzitiello, M.D., Avinesh Agarwalla, M.D., Brian J. Cole, M.D., M.B.A., Adam B. Yanke, M.D.</td>
</tr>
<tr>
<td>4:05 p.m.</td>
<td>SS-21</td>
<td><strong>Increased Rate of Reoperation with Tibial Tubercle Osteotomy That Includes Distalization as Compared to Anteromedialization</strong></td>
<td>Seth L. Sherman, M.D., Troy Pashuk, M.D., Elliott Voss, B.S., Andrew Garrone, B.S., Emily Leary, Ph.D., Betina Hinckel, M.D., James L. Cook, D.V.M., Ph.D.</td>
</tr>
<tr>
<td>4:10 p.m.</td>
<td>SS-22</td>
<td><strong>Accelerated Rehabilitation Program Following Medial Patellofemoral Ligament Reconstruction Does Not Increase Risk of Recurrent Instability</strong></td>
<td>Nicholas Peters, M.D., Scott Shemory, M.D., Christopher C. Kaeding, M.D., Robert A. Magnussen, M.D., M.P.H. David C. Flanigan, M.D.</td>
</tr>
<tr>
<td>4:15 p.m.</td>
<td>SS-23</td>
<td><strong>Clinical Outcomes of Isolated Medial Patellofemoral Ligament Reconstruction in Patients with Patella Alta and Excessive Rotational Malalignment</strong></td>
<td>Brian Forsythe, M.D., Brian R. Waterman, M.D., William Zuke, M.S., Richard Puzzitiello, M.D., Avinesh Agarwalla, M.D., Adam B. Yanke, M.D., Brian J. Cole, M.D., M.B.A.</td>
</tr>
<tr>
<td>4:20 p.m.</td>
<td>SS-24</td>
<td><strong>Clinical Outcomes of Isolated Medial Patellofemoral Ligament Reconstruction in Patients with Patella Alta and Excessive Rotational Malalignment</strong></td>
<td>Brian Forsythe, M.D., Brian R. Waterman, M.D., William Zuke, M.S., Richard Puzzitiello, M.D., Avinesh Agarwalla, M.D., Adam B. Yanke, M.D., Brian J. Cole, M.D., M.B.A.</td>
</tr>
<tr>
<td>4:25 p.m.</td>
<td>DISCUSSION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:30 p.m.</td>
<td>QUESTIONS AND ANSWERS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:35 – 4:50 p.m.</td>
<td>FEATURE LECTURE:</td>
<td><strong>The 5 Most Important Lessons I Have Learned About the Knee</strong></td>
<td>Introduction: Robert E. Hunter, M.D. Speaker: Frank R. Noyes, M.D.</td>
</tr>
<tr>
<td>5:00 – 6:30 p.m.</td>
<td>INSTRUCTIONAL COURSE LECTURES (101–105):</td>
<td>See page 32-33 for course descriptions.</td>
<td></td>
</tr>
<tr>
<td>5:00 – 6:30 p.m.</td>
<td>Brew versus Wine: How Orthopaedic Surgeons Venture Into and Achieve Success in the Beer and Wine Industry (Non-CME).</td>
<td>See page 28 for course description.</td>
<td></td>
</tr>
<tr>
<td>7:00 – 8:30 p.m.</td>
<td>WELCOME RECEPTION</td>
<td></td>
<td>Sheraton Ballroom</td>
</tr>
</tbody>
</table>

### AANA18 Annual Silent Auction

Contribute to advancing arthroscopic education, advocacy and research by supporting the AANA Education Foundation’s silent auction.

**NEW!** Live auction portion one night only *(at the Welcome Reception)*

**NEW!** Live auction at tonight’s welcome reception featuring top highlighted experiences (Note: Bidding for live auction items closes tonight; bidding on the remaining items closes April 28 at 4:00 p.m.)

Stop by the Silent Auction Lounge (across from the General Session Hall in the Lobby) to view items.

Browse, bid, buy on [aana18.gesture.com](http://aana18.gesture.com).
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 6:30 a.m. – 3:00 p.m. | **REGISTRATION**  
Sheraton Grand                                                               |
| 6:30 a.m. – 2:00 p.m. | **EXHIBITS**  
Exhibit Hall                                                                |
| 6:30 – 7:30 a.m. | **CONTINENTAL BREAKFAST AND EXHIBITS**  
Exhibit Hall                                                                |
| 7:00 – 8:30 a.m. | **INSTRUCTIONAL COURSE LECTURES (201–206):** See page 34-35 for course descriptions. |
| 8:30 – 9:00 a.m. | **COFFEE BREAK AND VISIT THE EXHIBITS**                                 |
| 9:00 – 9:30 a.m. | **LIVE SURGERY SIMULCAST: Meniscal Transplant**  
Moderator: Kevin F. Bonner, M.D.  
Surgeon: Brian J. Cole, M.D., M.B.A.                                      |
| 9:30 – 10:05 a.m. | **SCIENTIFIC SESSION: Knee Meniscal Pathology**  
Moderators: James H. Lubowitz, M.D., Rachel M. Frank, M.D.                 |

**SS-25**  
The Popliteus Tendon Provides a Safe and Reliable Location for Anchor Placement in Posterior Horn Lateral Meniscal Repairs  

**SS-26**  
Biomechanical Consequences of Progressive Tears Involving the Posterior Root of the Lateral Meniscus With and Without Meniscofemoral Ligament  
Saankritya Ayan, M.D., Indranil Kushare, M.D., Allison Liefeld Fillar, M.D., James Dresse, M.D., Darlene Jean-Pierre, M.D., Brent Parks

**SS-27**  
Age Over 40 Does Not Affect Meniscus Repair Failure Risk at 5-Years  
Walter Kim, M.D., M.P.H., Sarah Poland, M.D., Joshua Everhart, M.D., M.P.H., Robert A. Magnussen, M.D., M.P.H, David C. Flanigan, M.D.

**SS-28**  
Incidence of Lateral Meniscus Root Tears in Revision Versus Primary Anterior Cruciate Ligament Reconstruction  
Theodore Shybut, M.D., Brian Vial, M.D., Andrew Kohner, B.A.

**SS-29**  
"Between A Rock and A Hard Place": A Dynamic MRI Study of Meniscal Extrusion in Patients With Medial Meniscus Root-Tear  
Ron Gilat, M.D., Oleg Lysyy, M.D., Tal Sigal, M.D., Moshe Ayalon, Gabriel Agar, M.D., Yiftah Beer, M.D.

9:55 a.m.  
**DISCUSSION**

10:00 a.m.  
**QUESTIONS AND ANSWERS**

---

**Jackson Society Members!** Please stop by the Jackson Society Lounge  
Open daily from 9:00 a.m. to 4:00 p.m. *(Across the General Session Hall in the Lobby)*
**Sympo**

**SYMPOSIUM II: 21st Century Management of Meniscal Tears**
Moderators: F. Alan Barber, M.D., Jack M. Bert, M.D.

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:05 a.m.</td>
<td>The Plateau Anatomy is Critical</td>
<td>Mark H. Getelman, M.D.</td>
</tr>
<tr>
<td>10:12 a.m.</td>
<td>The Horizontal Tear Can Be Salvaged and Should Be Repaired!</td>
<td>Peter R. Kurzweil, M.D.</td>
</tr>
<tr>
<td>10:19 a.m.</td>
<td>Meniscal Scaffolds Are the Future Normal Post Meniscectomy</td>
<td>Wayne K. Gersoff, M.D.</td>
</tr>
<tr>
<td>10:26 a.m.</td>
<td>Root Repair Will Protect the Joint and Should Be Routinely Considered</td>
<td>Nicholas A. Sgaglione, M.D.</td>
</tr>
<tr>
<td>10:33 a.m.</td>
<td>Chondroplasty with Meniscectomy: Is It Really Necessary?</td>
<td>Michael A. Rauh, M.D.</td>
</tr>
</tbody>
</table>

**Discussion and Questions and Answers**

**10:40 - 10:55 a.m.**

**Introduction of Presidential Guest Speaker**
Robert E. Hunter, M.D.

**11:00 - 11:50 a.m.**

**Presidential Guest Speaker: Scott Simon**
What I’ve Learned Along the Road

**Development Update**
Mark H. Getelman, M.D.

**Orthopaedic Learning Center (OLC) Update**
Joseph C. Tauro, M.D.

**11:55 a.m. – Noon**

**Industry Presentations (Non-CME, see page 43)**

**Noon – 1:00 p.m.**

**Exhibits**

---

**Scott Simon**

**What I’ve Learned Along the Road**

 Sometimes the most important lessons you learn come from unexpected places. The well-traveled journalist has recollections of what he's learned from assignments and interviews from Sarajevo, Afghanistan, El Salvador and other war zones. He also recollects insights from the likes of Mother Teresa, Pierre Trudeau, Bella Abzug, and a second-baseman who never made it out of the major leagues, alongside the father, mother and family memories about whom he's written in his best-selling memoirs.

---

**Premier Orthopaedic Pass Attendees!** Exclusive Meet & Greet with Scott Simon at 10:15 a.m. in the Arkansas Room.
## Scientific Program

**Friday, April 27, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 1:00 – 1:30 p.m. | **LIVE SURGERY SIMULCAST: Labral Repair and Femoroplasty**  
Moderator: Bryan T. Kelly, M.D.  
Surgeon: Shane J. Nho, M.D. |
| 1:30 - 4:40 p.m. | **CONCURRENT SCIENTIFIC SESSION II: Hip**  
Chicago Ballroom, Level 4 |
| 1:30 - 2:10 p.m. | **SCIENTIFIC SESSION: Hip 1**  
| 1:30 p.m.      | SS-30  
**Doctor: When Will I Feel Better After My Hip Arthroscopy?**  
Benedict Nwachukwu, M.D., M.B.A., Brenda Chang, M.S., M.P.H., William Schairer, M.D., Bryan T. Kelly, M.D., Anil Ranawat, M.D. |
| 1:35 p.m.      | SS-31  
**Hip Arthroscopy Versus Physical Therapy for Acetabular Labrum Tears: Interim Analysis of a Prospective Randomized Trial**  
John W. Stelzer, M.S., Ravi Agrawal, B.A., Noah Quinlan, M.D., Shivam Upadhyaya, M.D., Kyle Alpaugh, M.D., Scott Martin, M.D. |
| 1:40 p.m.      | SS-32  
**Arthroscopic Reconstruction of the Irreparable Acetabular Labrum: a Match-Controlled Study**  
Benjamin G. Domb, M.D., Sivashanker Chandrasekaran, M.D., Nader Darwish, M.D., Mary Close, M.D., Parth Lodhia, M.D., Carlos Suarez-Ahedo, M.D. |
| 1:45 p.m.      | SS-33  
**Clinical Outcomes Following Arthroscopic Labral Augmentation Compared to Matched Cohort of Labral Reconstruction**  
| 1:50 p.m.      | SS-34  
**Multi-Centered Comparison of Outcomes After Hip Arthroscopy Versus Combined Hip Arthroscopy Alone and Peri-Acetabular Osteotomy in Patients with Acetabular Dysplasia**  
Raymond Kenney, M.D., Benjamin G. Domb, M.D., Justin Lareau, M.D., P. Christopher Cook, M.D., Brian D. Giordano, M.D. |
| 1:55 p.m.      | SS-35  
**Return-to-Play and Performance-Based Outcomes Following Hip Arthroscopy for American Professional Athletes in Different Sports**  
| 2:00 p.m.      | DISCUSSION |
| 2:05 p.m.      | QUESTIONS AND ANSWERS |
| 2:10 – 2:40 p.m. | **Clinical Case Panel: Complex Cases in Hip Arthroscopy**  
Moderator: John J. Christoforetti, M.D.  

---

### Residents and Fellows Day

Developed for residents, recent fellowship graduates and current fellows, the AANA Residents and Fellows Day program provides important information addressing the business of medicine to help early careerists transition into a new practice. The program includes didactic lectures, small-group breakout discussions and our ever-popular Orthopaedic Jeopardy contest.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:45 p.m.</td>
<td>SS-37</td>
<td>The Lateral Coverage Index: a Clinically Relevant Marker for Acetabular Coverage</td>
<td>Benjamin D. Ruhns, M.D., Brian D. Giordano, M.D., Itay Perets, M.D., Leslie Yuen, B.S., Benjamin G. Domb, M.D.</td>
</tr>
<tr>
<td>2:55 p.m.</td>
<td>SS-39</td>
<td>Standardizing the Normative Pre-Arthritic Hip Joint Space Width: an Analysis of 1,007 Hips</td>
<td>Matthew J. Kraeutler, M.D., Tigran Garabekyan, M.D., Jesse Goodrich, B.A., Matthew Fioravanti, B.A., Vivek Chadayammuri, M.D., Omer Mei-Dan, M.D.</td>
</tr>
<tr>
<td>3:00 p.m.</td>
<td>SS-40</td>
<td>A Prospective Evaluation of 3-D MRI Versus 3-D CT in the Evaluation of Osseous Anatomy in Femoracetabular Impingement</td>
<td>Ahmad Badri, M.D., Nima Eftekkary, M.D., Ameer Elbuluk, B.S., Mohammed Samim, M.D., Roy Davidovitch, M.D., Jonathan Vigdorchik, M.D., Soterios Gyftopoulos, M.D.</td>
</tr>
<tr>
<td>3:05 p.m.</td>
<td>SS-41</td>
<td>MRA Findings Predictive of Hip Arthroscopy Outcomes for Femoroacetabular Impingement</td>
<td>William Conaway, B.A., Ravi Agrawal, B.A., Nathan W. Skelley, M.D., Gregory Waryasz, M.D., Kirstin Marie Shu Small, M.D., Nehal Shah, M.D., Scott Martin, M.D.</td>
</tr>
<tr>
<td>3:10 p.m.</td>
<td></td>
<td>DISCUSSION</td>
<td></td>
</tr>
<tr>
<td>3:15 p.m.</td>
<td></td>
<td>QUESTIONS AND ANSWERS</td>
<td></td>
</tr>
<tr>
<td>3:40 p.m.</td>
<td>SS-44</td>
<td>In Search of the Spherical Femoroplasty: Cam Over-Resection Leads to Inferior Functional Scores Before and After Revision Hip Arthroscopy</td>
<td>Benjamin G. Domb, M.D., Yosif Manso, M.D., Itay Perets, M.D., Mary Close, M.D., Brian Mu, M.D.</td>
</tr>
<tr>
<td>3:45 p.m.</td>
<td>SS-45</td>
<td>Intra-Articular Hip Injection as a Predictor of Outcomes Following Hip Arthroscopy for Labral Repair and Correction of FAI</td>
<td>John W. Stelzer, M.S., Mark Callanan, M.D., Ravi Agrawal, B.A., Jamie Collins, Ph.D., Scott Martin, M.D.</td>
</tr>
</tbody>
</table>
### Scientific Program

**Friday, April 27, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>SS</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:55 p.m.</td>
<td>SS-46</td>
<td>The Effect of Femoral Version on Acetabular Loading Characteristics: a Biomechanical Study</td>
<td>Stephanie W. Mayer, M.D., Anne Skelton, B.S., Courtney O’Donnell, M.D., Kayla Burnim, M.S., Todd Baldini, M.S.</td>
</tr>
<tr>
<td>4:00 p.m.</td>
<td></td>
<td>DISCUSSION</td>
<td></td>
</tr>
<tr>
<td>4:05 p.m.</td>
<td></td>
<td>QUESTIONS AND ANSWERS</td>
<td></td>
</tr>
<tr>
<td>4:10 – 4:40 p.m.</td>
<td></td>
<td>Clinical Case Panel: Extra Articular Hip Pathology</td>
<td>Moderator: Carlos A. Guanche, M.D.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Panelists: Marc Philippon, M.D., J.W. Thomas Byrd, M.D., Bryan Kelly, M.D., Victor Ilizaliturri, M.D., Nicola Santori, M.D., Shane J. Nho, M.D.</td>
<td></td>
</tr>
<tr>
<td>1:00 – 4:10 p.m.</td>
<td>CONCURRENT SCIENTIFIC SESSION II: Shoulder and Elbow Superior, Level 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 – 1:10 p.m.</td>
<td></td>
<td>Managing Posterior Shoulder Instability: an International Perspective</td>
<td>Giuseppe Milano, M.D.</td>
</tr>
<tr>
<td>1:10 – 1:50 p.m.</td>
<td></td>
<td>SCIENTIFIC SESSION: Shoulder</td>
<td>Moderators: Ian K. Lo, M.D., Don A. Buford, M.D.</td>
</tr>
<tr>
<td>1:10 p.m.</td>
<td>SS-47</td>
<td>Risk Factors for Admission After Shoulder Arthroscopy</td>
<td>Robert Christian, M.D., Daniel Gibbs, M.D., Richard Nicolay, M.D., Ryan Selley, M.D., Matthew Salzman, M.D.</td>
</tr>
<tr>
<td>1:20 p.m.</td>
<td>SS-49</td>
<td>Shoulder Arthroscopy Can Restore Joint Function Following Proximal Humeral Fracture Malunion in Middle Age Individuals</td>
<td>George D. Tsikouris, M.D., Ioanna K. Bolia, M.S., Panagiota Vlaserou, B.S., M.S., Konstantinos Angelis, B.S., Harris Giannoulatos, M.D., Panayiotis Intzirtzis, M.D., M.S.</td>
</tr>
<tr>
<td>1:25 p.m.</td>
<td>SS-50</td>
<td>Increasing Numbers of Preoperative Shoulder Injections Are Associated With a Higher Rate of Subsequent Revision Rotator Cuff Surgery</td>
<td>Brian C. Werner, M.D., Christopher Camp, M.D., Venkat Boddapati, B.A., Jourdan Cancienne, M.D., Stephen F. Brockmeier, M.D., Joshua S. Dines, M.D.</td>
</tr>
<tr>
<td>1:35 p.m.</td>
<td>SS-52</td>
<td>Open Versus Arthroscopic Management of Snapping Scapula Syndrome: a Matched Comparative Analysis</td>
<td>Brian R. Waterman, M.D., Anthony A. Romeo, M.D., Gregory P. Nicolson, M.D., Michael J. O’Brien, M.D., Shelby Sumner, M.P.H., Jon Newgren, M.A.</td>
</tr>
<tr>
<td>1:40 p.m.</td>
<td></td>
<td>DISCUSSION</td>
<td></td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td></td>
<td>QUESTIONS AND ANSWERS</td>
<td></td>
</tr>
<tr>
<td>1:50 – 2:05 p.m.</td>
<td></td>
<td>FEATURE LECTURE: Managing the Complex Throwing Shoulder</td>
<td>Speaker: Craig D. Morgan, M.D.</td>
</tr>
<tr>
<td>2:05 – 2:35 p.m.</td>
<td></td>
<td>Clinical Case Panel: Shoulder Controversies and Regenerative Options</td>
<td>Moderator: Brian J. Cole, M.D., M.B.A.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Panelists: Jeffrey S. Abrams, M.D., Larry D. Field, M.D., Richard K.N. Ryu, M.D., Pietro Randelli, M.D., Giovanni Di Giacomo, M.D., Giuseppe Porcellini, M.D., Anthony Miniaci, M.D.</td>
<td></td>
</tr>
</tbody>
</table>
### Scientific Session: Elbow

**Moderators:** Larry D. Field, M.D., William B. Stetson, M.D.

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:35 p.m.</td>
<td>SS-53</td>
<td>Allograft Reconstruction of Complex Distal Biceps Ruptures: Midterm Results from 31 Military Servicemembers</td>
<td>Marina Rodriguez, M.D., Drew Nute, M.D., Kelly G. Kilcoyne, M.D., Brian R. Waterman, M.D.</td>
</tr>
<tr>
<td>2:40 p.m.</td>
<td>SS-54</td>
<td>Medial Elbow Instability Resulting From Partial Tears of the Ulnar Collateral Ligament: Stress Ultrasound in a Cadaveric Model</td>
<td>Michael C. Ciccotti, M.D., Sommer Hammond, M.D., Steven B. Cohen, M.D., Levon Nazarian, M.D., Michael M. Ciccotti, M.D.</td>
</tr>
<tr>
<td>2:45 p.m.</td>
<td>SS-55</td>
<td>Direct Comparison of Modified Jobe and Docking UCL Reconstruction at 7-Year Follow-Up</td>
<td>Justin W. Arner, M.D., Steven Bayer, B.S., Edward D. Wang, M.D., James P. Bradley, M.D.</td>
</tr>
<tr>
<td>2:50 p.m.</td>
<td>SS-56</td>
<td>Predictors of Elbow Torque in Youth and Adolescent Baseball Pitchers Using a New Mobile Sensor: Fastballs Versus Breaking Pitches</td>
<td>Kelechi R. Okoroha, M.D., Fabian Meta, B.S., Jason Meldau, B.S., Vincent Lizzio, B.S., Christopher S. Ahmad, M.D., Vasilios B. Moutzouros, M.D., Eric Makhni, M.D., M.B.A.</td>
</tr>
<tr>
<td>2:55 p.m.</td>
<td>SS-57</td>
<td>Return to Sporting Activity After Ulnar Nerve Transposition for Isolated Neuritis in Competitive Overhead Athletes</td>
<td>Brian R. Waterman, M.D., Michael J. O’Brien, M.A., Catherine Richardson, B.S., Rachel M. Frank, M.D., Brandon J. Erickson, M.D., Anthony A. Romeo, M.D., Gregory P. Nicholson, M.D.</td>
</tr>
</tbody>
</table>

### Discussion

3:00 p.m.

### Questions and Answers

3:05 p.m.

### Feature Lecture: Elbow Arthroscopy Made Simple

**Speaker:** Larry D. Field, M.D.

### Feature Lecture: The Biceps Tenodesis: Proximal Versus Distal or Just Let It Fly?

**Speaker:** Matthew T. Provencher, M.D., CAPT MC USNR

---

### AANA’s Emerging Leaders in Arthroscopy

Join us for the second year of the Instructional Course Lecture designed for surgeons in the first 10 years of their practice. This program will discuss important leadership skills and effective tactics for diverse practice settings from the perspective of top AANA leaders. Considerations for changing practices during early- and mid-career will be reviewed, and methods for effectively utilizing web-based and social media to market a sports medicine clinical practice will be explored.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30 p.m.</td>
<td>SS-58</td>
<td>Performance Following Operative Versus Nonoperative Management of Labrum Pathology in Collegiate Football Players Entering the National Football League (NFL) Combine</td>
<td>Salvatore J. Frangiamore, M.D., M.S., Sandeep Mannava, M.D., Ph.D., Colin Murphy, B.A., Anthony Sanchez, B.S., George Sanchez, B.S., Grant Dornan, M.S., Mark D. Price, M.D., Ph.D., James Whalen, ATC, Matthew T. Provencher, M.D., CAPT MC USN</td>
</tr>
<tr>
<td>3:35 p.m.</td>
<td>SS-59</td>
<td>Effect of Biceps Tenodesis on Speed of Recovery After Arthroscopic Rotator Cuff Repairs</td>
<td>Jennifer Kurowicki, M.D., Derek Berglund, M.D., Samuel Rosas, M.D., Matthew Motisi, D.O., Emmanuel McNeely, B.S., M. Russell Giveans, Ph.D., Brandon Horn, D.O., Jonathan Levy, M.D.</td>
</tr>
<tr>
<td>3:40 p.m.</td>
<td>SS-60</td>
<td>Arthroscopic SLAP IIb Repair Using Knot-Tying Versus Knotless Suture Anchors: Is There a Difference?</td>
<td>Justin W. Arner, M.D., Joseph DeGroot, M.D., James P. Bradley, M.D.</td>
</tr>
<tr>
<td>3:45 p.m.</td>
<td>SS-61</td>
<td>Biceps Tenotomy Versus Tenodesis: a Study on Patient Reported Outcomes and Satisfaction</td>
<td>Justin Aflatooni, M.S., Brett D. Meeks, M.D., Andy Froehle, Ph.D., Kevin F. Bonner, M.D.</td>
</tr>
<tr>
<td>3:50 p.m.</td>
<td>SS-62</td>
<td>High Rate of Return to Sporting Activity Among Overhead Athletes With Subpectoral Biceps Tenodesis for Type II SLAP Tear</td>
<td>Brian R. Waterman, M.D., Anthony A. Romeo, M.D., Jon Newgren, M.A., Catherine Richardson, B.S.</td>
</tr>
<tr>
<td>3:55 p.m.</td>
<td>SS-63</td>
<td>Outcomes Following Ultrasound Versus Blinded Subacromial Injection — a Randomized Clinical Trial</td>
<td>Todd Pierce, M.D., Kimona Issa, M.D., Jennifer Kurowicki, M.D., Devesh Patel, M.D., Anthony Festa, M.D., Vincent K. McNerney, M.D., Anthony J. Scillia, M.D.</td>
</tr>
</tbody>
</table>

**Friday, April 27, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30 – 4:10 p.m.</td>
<td><strong>SCIENTIFIC SESSION: Shoulder Biceps/SLAP</strong></td>
<td><strong>Moderators: Ronald P. Karzel, M.D., Michael T. Freehill, M.D.</strong></td>
<td></td>
</tr>
<tr>
<td>3:30 p.m.</td>
<td>SS-58</td>
<td>Performance Following Operative Versus Nonoperative Management of Labrum Pathology in Collegiate Football Players Entering the National Football League (NFL) Combine</td>
<td>Salvatore J. Frangiamore, M.D., M.S., Sandeep Mannava, M.D., Ph.D., Colin Murphy, B.A., Anthony Sanchez, B.S., George Sanchez, B.S., Grant Dornan, M.S., Mark D. Price, M.D., Ph.D., James Whalen, ATC, Matthew T. Provencher, M.D., CAPT MC USN</td>
</tr>
<tr>
<td>3:35 p.m.</td>
<td>SS-59</td>
<td>Effect of Biceps Tenodesis on Speed of Recovery After Arthroscopic Rotator Cuff Repairs</td>
<td>Jennifer Kurowicki, M.D., Derek Berglund, M.D., Samuel Rosas, M.D., Matthew Motisi, D.O., Emmanuel McNeely, B.S., M. Russell Giveans, Ph.D., Brandon Horn, D.O., Jonathan Levy, M.D.</td>
</tr>
<tr>
<td>3:40 p.m.</td>
<td>SS-60</td>
<td>Arthroscopic SLAP IIb Repair Using Knot-Tying Versus Knotless Suture Anchors: Is There a Difference?</td>
<td>Justin W. Arner, M.D., Joseph DeGroot, M.D., James P. Bradley, M.D.</td>
</tr>
<tr>
<td>3:45 p.m.</td>
<td>SS-61</td>
<td>Biceps Tenotomy Versus Tenodesis: a Study on Patient Reported Outcomes and Satisfaction</td>
<td>Justin Aflatooni, M.S., Brett D. Meeks, M.D., Andy Froehle, Ph.D., Kevin F. Bonner, M.D.</td>
</tr>
<tr>
<td>3:50 p.m.</td>
<td>SS-62</td>
<td>High Rate of Return to Sporting Activity Among Overhead Athletes With Subpectoral Biceps Tenodesis for Type II SLAP Tear</td>
<td>Brian R. Waterman, M.D., Anthony A. Romeo, M.D., Jon Newgren, M.A., Catherine Richardson, B.S.</td>
</tr>
<tr>
<td>3:55 p.m.</td>
<td>SS-63</td>
<td>Outcomes Following Ultrasound Versus Blinded Subacromial Injection — a Randomized Clinical Trial</td>
<td>Todd Pierce, M.D., Kimona Issa, M.D., Jennifer Kurowicki, M.D., Devesh Patel, M.D., Anthony Festa, M.D., Vincent K. McNerney, M.D., Anthony J. Scillia, M.D.</td>
</tr>
</tbody>
</table>

**DISCUSSION**

**QUESTIONS AND ANSWERS**

1 – 4:30 p.m. | **CONCURRENT SCIENTIFIC SESSION III: 21st Century Controversies With 21st Century Leaders Case-Based Debate** | **Michigan, Level 2** |

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00 – 2:10 p.m.</td>
<td><strong>SHOULDER CASES</strong></td>
<td><strong>Moderators: Matthew T. Provencher, M.D., CAPT MC USN, John M. Tokish, M.D.</strong></td>
<td></td>
</tr>
<tr>
<td>1:00 – 1:14 p.m.</td>
<td>SS-58</td>
<td>Medium Posterior Superior RC Tear: the Debate Continues</td>
<td>Single Row is Best – Michael S. Bahk, M.D. Double Row is Mandatory – Michael T. Freehill, M.D.</td>
</tr>
<tr>
<td>1:15 – 1:29 p.m.</td>
<td>SS-59</td>
<td>Massive RC in 50-Year-Old Male</td>
<td>Partial Repair +/- Biceps Tenodesis Will Work Well – Scott W. Trenhaile, M.D. SCR Is the Best Option Today – Ian K. Lo, M.D.</td>
</tr>
<tr>
<td>1:30 – 1:44 p.m.</td>
<td>SS-60</td>
<td>21-Year-Old Male Lacrosse Player With Second Dislocation in a Year</td>
<td>Arthroscopic Capsulolabral Reconstruction is Best – Brian R. Waterman, M.D. I Choose Latarjet – Nikhil Verma, M.D.</td>
</tr>
</tbody>
</table>

**PANEL DISCUSSION**

**QUESTIONS AND ANSWERS**

Snap a picture of you and your colleagues and share it on social media!
KNEE CASES
2:10 – 2:24 p.m. 17-Year-Old Female Cheerleader With Second Patella Dislocation and Chondral Loose Body
Reconstruct the MPFL – Rachel M. Frank, M.D.
Tibial Tubercle Transfer Is a Must – Paul E. Caldwell, M.D.

2:25 – 2:39 p.m. 21-Year-Old Female With Failed 7mm Hamstring Graft, Now What?
Revise With BTB Autograft – Mary K. Mulcahey, M.D.
Revise With Contralateral Hamstrings and ALL Reconstruction – Andrea Ferretti, M.D.

2:40 – 2:54 p.m. 52-Year-Old Female With Medial Meniscal Root Tear
Root Repair Is Best – Adam B. Yanke, M.D.
Debride It or Better Yet Leave It and Consider Stem Cells, the Joint Is Doomed – Kevin F. Bonner, M.D.

PANEL DISCUSSION
2:55 p.m.

QUESTIONS AND ANSWERS
3:10 – 3:20 p.m.

HIP CASES
3:20 – 4:30 p.m. 33-Year-Old Former College Athlete With Labral Tear and Unstable Cartilage Flap
Debride? – Richard C. Mather III, M.D., M.B.A.
Microfracture Versus Repair? – Victor Ilizaliturri, M.D.

3:35 – 3:49 p.m. 24-Year-Old Male With CAM FAI – How to Treat the Capsule
Leave Capsulotomy – Brian D. Dierckman, M.D.
Close the Capsule – Travis G. Maak, M.D.

3:50 – 4:04 p.m. Proximal Hamstring Avulsion
Open Repair Is Best – Thomas H. Wuerz, M.D.
I Can Fix It Well Endoscopically – Benjamin G. Domb, M.D.

DISCUSSION
4:05 p.m.

QUESTIONS AND ANSWERS
4:20 – 4:30 p.m.

A-TECH AND ALES (NON-CME)
5:00 - 6:30 p.m.

AANA18 Annual Silent Auction
Contribute to advancing arthroscopic education, advocacy and research by supporting the AANA Education Foundation’s silent auction.
Stop by the Silent Auction Lounge (across from General Session Hall in the lobby).
(Bidding closes tomorrow, April 28 at 4:00 p.m.)
CAN’T ATTEND EVERY SESSION?
ORDER DURING THE MEETING AND PAY ONLY $199*

Maximize your investment in attending this year’s meeting with AANA Annual Meeting On Demand! Watch sessions you missed, or revisit sessions you participated in. Get access to approximately 60 hours of presentations and earn CME credits!

Special offer ends April 28, 2018

Features of AANA Annual Meeting On Demand

- **Online access** to content within 24 hours of live presentations
- **Downloadable PDFs** of presentation slides and MP3 files
- **Integrated online** CME testing
- **Advanced search** that delivers exactly what you need

<table>
<thead>
<tr>
<th>LIST PRICE</th>
<th>YOUR PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Members</td>
<td>$499</td>
</tr>
<tr>
<td>Non-members</td>
<td>$699</td>
</tr>
</tbody>
</table>

VISIT OUR SALES BOOTH: Sheraton Ballroom Foyer

ORDER ONLINE: Orders.OnDemand.org/aana/chicago

ORDER BY PHONE: 800-501-2303 (U.S Only) or 818-844-3299

MONDAY – FRIDAY: 6 a.m. – 5 p.m. PST

*Pricing varies based on membership.
Final hours available subject to speaker permission.
Specific presentations within a session may not be available or may be audio only if the presenter has confidential patient information or otherwise declines to be recorded.
Tax Benefits: The entire cost of your subscription may be tax-deductible when used for professional purposes. Please consult your tax advisor.
Refunds will be permitted within 30 days of receiving online or digital access to your product. The following conditions apply: If CME credit is available and has been claimed, a refund will not be permitted.
### Saturday, April 28, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 a.m. – 12:30 p.m.</td>
<td>REGISTRATION Sheraton Grand Foyer</td>
</tr>
<tr>
<td>6:30 – 10:00 a.m.</td>
<td>EXHIBITS Exhibit Hall</td>
</tr>
<tr>
<td>6:30 – 7:30 a.m.</td>
<td>CONTINENTAL BREAKFAST AND EXHIBITS Exhibit Hall</td>
</tr>
<tr>
<td>7:00 – 8:30 a.m.</td>
<td>INSTRUCTIONAL COURSE LECTURES (301–306): See page [XX] for course descriptions.</td>
</tr>
<tr>
<td>8:30 – 9:00 a.m.</td>
<td>COFFEE BREAK AND VISIT THE EXHIBITS</td>
</tr>
<tr>
<td>9:00 – 9:15 a.m.</td>
<td>SPECIAL PRESENTATIONS Moderator: John C. Richmond, M.D.</td>
</tr>
<tr>
<td></td>
<td>Traveling Fellowship Report</td>
</tr>
<tr>
<td></td>
<td>J. Whit Ewing Resident Fellow Research Award</td>
</tr>
<tr>
<td></td>
<td>Richard J. O’Connor Research Award</td>
</tr>
<tr>
<td></td>
<td>Patellofemoral Anatomy Research Excellence Award</td>
</tr>
<tr>
<td></td>
<td>Stephen J. Snyder Arthroscopy Instructor Award</td>
</tr>
<tr>
<td></td>
<td>Stephen S. Burkhart Shoulder Innovation Research Award</td>
</tr>
<tr>
<td>9:15 – 9:20 a.m.</td>
<td>AANA: Your Greatest Advocate Speaker: Louis F. McIntyre, M.D.</td>
</tr>
<tr>
<td>9:20 – 9:30 a.m.</td>
<td>Feature Lecture: Opioid Use and Abuse Following Arthroscopic Procedures: Is This Part of the National Crisis? Kevin D. Plancher, M.D.</td>
</tr>
<tr>
<td>9:30 – 10:05 a.m.</td>
<td>CONCURRENT SCIENTIFIC SESSION I: Simulation/Education</td>
</tr>
<tr>
<td></td>
<td>SCIENTIFIC SESSION: Simulation/Education Moderators: Richard L. Angelo, M.D., J. Martin Leland III, M.D.</td>
</tr>
<tr>
<td>9:30 a.m.</td>
<td>Web-Based Education Prior to Outpatient Orthopaedic Surgery Enhances Patient Satisfaction Scores: A Prospective, Randomized Controlled Study Carola van Eck, M.D., Ph.D., Aneet Toor, M.D., Michael B. Banffy, M.D., Ralph A. Gamvbardella, M.D.</td>
</tr>
<tr>
<td>9:35 a.m.</td>
<td>Efficacy of an Arthroscopic Virtual-Based Simulator for Orthopaedic Surgery Residents by Year in Training Theodore Shybut, M.D., Chanakya Kumar Jandhyala, M.D., Shahram Yari, M.D., Behnam Sharareh, M.D., Aravind Athiviraham, M.D.</td>
</tr>
<tr>
<td>9:40 a.m.</td>
<td>Impact of Simulation Training on Diagnostic Arthroscopy Performance: a Randomized Controlled Trial Rachel M. Frank, M.D., Kevin C. Wang, B.S., Eric J. Cotter, B.S., Eamon D. Bernardoni, M.S., Brian J. Cole, M.D., M.B.A.</td>
</tr>
<tr>
<td>9:45 a.m.</td>
<td>DISCUSSION</td>
</tr>
<tr>
<td>9:50 a.m.</td>
<td>QUESTIONS AND ANSWERS</td>
</tr>
</tbody>
</table>
Saturday, April 28, 2018

**9:30 – 10:05 a.m. | CONCURRENT SCIENTIFIC SESSION II: Shoulder Instability 2  Michigan, Level 2**

| 9:30 a.m. | **SCIENTIFIC SESSION: Shoulder Instability 2**  
Moderators: Joseph C. Tauro, M.D., Robert U. Hartzler, M.D., M.S. |
| --- | --- |
| 9:30 a.m. | SS-67  
**Risk Factors for Recurrent Shoulder Instability After Arthroscopic Revision Anterior Stabilization**  
Favian Su, B.S., Albert Lin, M.D., Marcin Kowalczyk, M.D., Stephenson A. Ikpe, M.D., Hannah Lee, M.D., Ph.D., Soheil Sabzevari, M.D. |
| 9:35 a.m. | SS-68  
**Radiographic Analysis of Glenoid Morphology After Arthroscopic Latarjet Versus Distal Tibial Allograft in the Treatment of Anterior Shoulder Instability**  
Ivan H. Wong, M.D., FRCSC, Dip. Sports Medicine, John-Paul King, M.D., Gordon Boyd, M.D., Michael Mitchell, M.D., Catherine M. Coady, M.D., FRCSC |
| 9:40 a.m. | SS-69  
**Glenoid Track Instability Management Score: Radiographic Modification of the Instability Severity Index Score (ISIS)**  
Giovanni Di Giacomo, M.D., George Sanchez, B.S., Anthony Sanchez, B.S., Matthew T. Provencher, M.D., CAPT MC USNR |
| 9:45 a.m. | SS-70  
**Bipolar Bone Loss Measurements in Shoulder Instability: Poor Agreement Between 3-D CT and Arthroscopic Values**  
Tadano Funakoshi, M.D., Ph.D., Robert U. Hartzler, M.D., M.S., Eduardo Telles de Menezes Stewien, M.D., Stephen S. Burkhart, M.D. |
| 9:50 a.m. | SS-71  
**Evaluating Glenoid Bone Loss with MRI-Generated 3-Dimensional Reconstructions**  
Matthew T. Provencher, M.D., CAPT MC USNR, Bryan G. Vopat, M.D., Wenli Cai, Ph.D., Martin P. Torriani, M.D., Matthew L. Vopat, M.D., Hemma Murali, M.D., Gordon J. Lewis, M.D., Kati Sanchez, PA-C, Mark D. Price, M.D., Ph.D. |
| 9:55 a.m. | **DISCUSSION** |
| 10:00 a.m. | **QUESTIONS AND ANSWERS** |

**10:05 – 10:20 a.m.**

**Feature Lecture:**  
*The Tool of the Devil: A Storied Career Debunking the Myth – My 35-Year Experience Treating Rotator Cuff Pathology*  
Introduction: Mark H. Getelman, M.D.  
Speaker: Stephen J. Snyder, M.D.

**10:20 – 10:50 a.m.**

**Clinical Case Panel: Instability Cases**  
Moderator: John M. Tokish, M.D.  
Panelists: Alan S. Curtis, M.D., Felix H. Savoie III, M.D., Larry D. Field, M.D., Matthew T. Provencher, M.D., CAPT MC USNR, Louis F. McIntyre, M.D., Giovanni Di Giacomo, M.D., Pietro Randelli, M.D.

**10:50 – 11:30 a.m.**

**SYMPOSIUM III: Recurrent Instability With Associated 20% Bone Loss**  
Moderator: Jeffrey S. Abrams, M.D.

| 10:50 a.m. | **The Glenoid Track and How It Impacts My Decision-Making**  
Giovanni Di Giacomo, M.D. |
| 10:57 a.m. | **The Biomechanical Basis for Latarjet: It Is All About the Sling**  
John M. Tokish, M.D. |
| 11:04 a.m. | **Arthroscopic Bone Grafting With Capsular Repair Is the Best Option**  
Ivan H. Wong, M.D., FRCSC |
| 11:11 a.m. | **Arthroscopic Latarjet Is the Way to Go: Forget the Capsule**  
Paul J. Favorito, M.D. |
| 11:18 a.m. | **Lose the Scope – Open Latarjet Is the Best Option for This Patient**  
Frank A. Cordasco, M.D. |
| 11:25 a.m. | **DISCUSSION** |
### Saturday, April 28, 2018 (continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:40 – 11:45 a.m.</td>
<td>INTRODUCTION OF THE PRESIDENTIAL ADDRESS</td>
<td>Louis F. McIntyre, M.D.</td>
</tr>
<tr>
<td>11:45 a.m. – 12:15 p.m.</td>
<td>PRESIDENTIAL ADDRESS</td>
<td>Robert E. Hunter, M.D.</td>
</tr>
<tr>
<td>12:15 – 12:30 p.m.</td>
<td>SECOND BUSINESS MEETING – ACTIVE AANA MEMBERS ONLY</td>
<td></td>
</tr>
<tr>
<td>12:30 – 1:30 p.m.</td>
<td>INDUSTRY PRESENTATIONS (NON-CME, SEE PAGE X)</td>
<td></td>
</tr>
<tr>
<td>1:30 p.m.</td>
<td>SCIENTIFIC SESSION: Knee Articular Cartilage</td>
<td>Moderators: Laith Jazrawi, M.D., Anthony Miniacci, M.D.</td>
</tr>
<tr>
<td>1:30 p.m.</td>
<td>SS-72 Clinical Outcomes of Multiple Osteochondral Allograft Transplantation of the Knee: an Analysis of Snowman Technique and Multifocal Lesions</td>
<td>Brian R. Waterman, M.D., Charles Hannon, M.D., Eric J. Cotter, B.S., Drew Lansdown, M.D., Rachel M. Frank, M.D.</td>
</tr>
<tr>
<td>1:35 p.m.</td>
<td>SS-73 Preoperative Radiographic Grades of Osteoarthritis Predict Clinical Outcomes After Treatment of Cartilage Defects With Osteochondral Grafts in the Knee</td>
<td>Dean Wang, M.D., Francesca Coxe, B.S., Vivek Kalia, M.D., Kristopher Jones, M.D., Riley J. Williams III, M.D.</td>
</tr>
<tr>
<td>1:40 p.m.</td>
<td>SS-74 Don’t Throw It Away! A Case Series of Successful Repair of Articular Cartilage Fragments to Bone</td>
<td>Jessica Churchill, M.D., Aaron Krych, M.D., Mark Lemos, M.D., Kevin F. Bonner, M.D., Morganne Redd, B.S.</td>
</tr>
<tr>
<td>1:45 p.m.</td>
<td>SS-75 The Influence of Physeal Status on Cartilage Survivorship After Screw Fixation for Osteochondritis Dissecans of the Knee</td>
<td>Kevin C. Wang, B.S., Brian R. Waterman, M.D., Robert Dean, B.S., Eric J. Cotter, B.S., Blaine Manning, B.S., Adam B. Yanke, M.D., M.S., Brian J. Cole, M.D., M.B.A.</td>
</tr>
</tbody>
</table>

### Arthroscopy Journal Lunch and Course

The editors of *Arthroscopy: The Journal of Arthroscopy and Related Surgery* – the peer-reviewed journal of AANA – will host a lunch for those interested in reviewing or writing papers for the publication. Insight into the review process will be provided. Expectations for paper structure and content as well as reviewer objectives and responsibilities will be outlined.

- James H. Lubowitz, M.D. – Editor-in-Chief
- Michael J. Rossi, M.D., M.S. – Assistant Editor-in-Chief
- Jefferson C. Brand, M.D. – Assistant Editor-in-Chief
- Aman Dhawan, M.D. – Associate Editor
- Michael D. Feldman, M.D. – Associate Editor
- Timothy J. Hunt, M.D. – Associate Editor
- J. Martin Leland, III, M.D. – Technology Associate Editor
- Nikolaos K. Paschos, M.D. – Associate Editor
- Mark G. Siegel, M.D. – Associate Editor
### 1:50 p.m. | SS-76
Articular Cartilage Radius of Curvature for Medial and Lateral Femoral Condyles: an MRI Study
Peter Du, B.S., Keith Markolf, Ph.D., Benjamin Levine, M.D., David McAllister, M.D., Kristopher Jones, M.D.

### 1:55 p.m.
**DISCUSSION**

### 2:00 p.m.
**QUESTIONS AND ANSWERS**

### 2:05 – 2:30 p.m.
Clinical Case Panel: Controversies in Articular Cartilage Cases
Moderator: Brian J. Cole, M.D., M.B.A.
Panelists: Jack M. Bert, M.D., John C. Richmond, M.D., Robert E. Hunter, M.D., Andrea Ferretti, M.D., Carlos Leal, M.D.

### 2:30 p.m. | SS-77
The Utility of Oral Nonsteroidal Anti-Inflammatory Drugs Compared to Standard Opioids Following Arthroscopic Meniscectomy: a Prospective Observational Study
Kirk A. Campbell, M.D., Hien Pham, M.D., Michael Pickell, M.D., Michelle Yagnatovsky, B.S., Mark Kramarchuk, B.S., Michael J. Alaia, M.D., Eric J. Strauss, M.D., Laith Jazrawi, M.D.

### 2:35 p.m. | SS-78
Is Edema at the Posterior Medial Tibial Plateau Indicative of Ramp Lesion? An Examination of 852 patient with ACL Reconstruction
Tialha Spencer, B.S., Neil Kumar, M.D., M.B.A., Cory Edgar, M.D., Ph.D., Robert Arciero, M.D., Mark Cote, DPT

### 2:40 p.m. | SS-79
Xarelto (Rivaroxaban) Prophylaxis Reduces the Risk of Thromboembolic Events Following Knee Osteotomy Without Increased Bleeding Complications
Seth L. Sherman, M.D., Troy Pashuck, M.D., Elliott Voss, B.S., Andrew Garrone, B.S., Emily Leary, Ph.D., Betina Hinckel, M.D., James Cook, M.D.

### 2:45 p.m. | SS-80
Preoperative Patient Expectations of Knee Surgery
R. Frank Henn, M.D., Kali N. Stevens, B.A., Julio J. Jauregui, M.D., Xuyang Song, M.D., Vidushan Nadarajah, B.A., Shaun H. Medina, B.A., Michael P. Smuda, ATC, Craig H. Bennett, M.D., Jonathan D. Packer, M.D.

### 2:50 p.m. | SS-81
Adductor Canal Block Versus Femoral Nerve Block for Pain Control After Anterior Cruciate Ligament Reconstruction: a Prospective Randomized Trial
Ravi Patel, M.D., Jonathan Lynch, M.D., Kelechi R. Okoroha, M.D., Vincent Lizzio, M.D., Fabian Meta, M.D., Vasilios Moutzouros, M.D.

### 2:55 p.m.
**DISCUSSION**

### 3:00 p.m.
**QUESTIONS AND ANSWERS**

### 3 – 4 p.m. | CONCURRENT SESSIONS III: “Ask the Experts” Interactive Sessions for Shoulder, Knee and Hip  Superior, Level 2

#### 3:00 p.m.
“Ask the Experts” Interactive Session for Shoulder
**Shoulder Cases:**
- John M. Tokish, M.D., Moderator
- Jeffrey S. Abrams, M.D., Felix H. Savoie III, M.D., Matthew T. Provencher, M.D., CAPT MC USNR, Alan S. Curtis, M.D., Stephen S. Burkhart, M.D., Giovanni Di Giacomo, M.D., Nikhil Verma, M.D., Juliet M. DeCampos, M.D.

#### 3:00 p.m.
“Ask the Experts” Interactive Session for Knee
**Knee Cases:**
- Moderator – Brian J. Cole, M.D., M.B.A.
- Kevin F. Bonner, M.D., Nicholas A. Sagglione, M.D., Elizabeth A. Arendt, M.D., Julie A. Dodds, M.D., Paul E. Caldwell, M.D., Mary K. Mulcahey, M.D.

#### 3:00 p.m.
“Ask the Experts” Interactive Session for Hip
**Hip Cases:**
- Carlos A. Guanche, M.D., Moderator
- Benjamin G. Domb, M.D., Allston Stubbs IV, M.B.A., M.D., Brian D. Dierckman, M.D., Victor Ilizaliturri, M.D., Shane J. Nho, M.D., J.W. Thomas Byrd, M.D.

---

**Saturday, April 28, 2018**
### Scientific Program

**Saturday, April 28, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 3:00 - 3:40 p.m. | **SCIENTIFIC SESSION: Foot and Ankle**  
Moderators: John G. Kennedy, M.D., James W. Stone, M.D. |
| 3:00 p.m.  | SS-82 **The Epidemiology of Ankle Pathology Identified at the NFL Combine, 2009 – 2016**  
Andrew S. Bernhardson, M.D., Angela Chang, B.S., Tyler Zajac, ATC, George Sanchez, B.S., Matthew T. Provencher, M.D., CAPT MC USNR, Mary K. Mulcahey, M.D. |
| 3:05 p.m.  | SS-83 **Arthroscopic Anterior Ankle Decompression Is Successful in NFL Football Players**  
Justin W. Arner, M.D., Christopher L. McCrum, M.D., Bryson P. Lesniak, M.D., James P. Bradley, M.D. |
| 3:10 p.m.  | SS-84 **Low Rate of Return to Sport Following Surgical Treatment of Chronic Exertional Compartment Syndrome of the Leg**  
Amos Dai, B.S., Hien Pham, M.D., Jordan C. Werner, M.D., Eric J. Strauss, M.D., Robert J. Meislin, M.D., Laith Jazrawi, M.D. |
| 3:15 p.m.  | SS-85 **Infection and Re-Rupture After Surgical Repair of Achilles Tendons**  
Toufic Jildeh, M.D., Kelechi R. Okoroha, M.D., Nathan E. Marshall, M.D., Mohsin S. Fidai, M.D., Abraham S. Abdullhak, B.S., Ferras Zeni, Vasilios Moutzouros, M.D. |
| 3:20 p.m.  | SS-86 **Osteochondral Lesions of Talus: 4 Years Results by Bilayer Collagen Membrane Enriched With Bone Marrow Mesenchymal Stem Cells Repair**  
Francesco Allegra, M.D., Enrico Bonacci, M.D., Andrea Billi, M.D., Roberto Zannoni, M.D., Giovanni Pizza, M.D. |
| 3:25 p.m.  | **DISCUSSION** |
| 3:30 p.m.  | **QUESTIONS AND ANSWERS** |
| 3:40 – 4:10 p.m. | **Clinical Case Panel: Ankle OLT**  
Moderator: Richard D. Ferkel, M.D.  
Panelists: Francesco Allegra, M.D., John G. Kennedy, M.D., James W. Stone, M.D., James P. Tasto, M.D., T.H. Lui, M.D. |
| 4:10 p.m.  | **CLOSING REMARKS**  
Robert E. Hunter, M.D.  
Louis F. McIntyre, M.D. |
| 4:30 p.m.  | **ADJOURN** |

---

**LAST CHANCE TO BID!**

AANA18 Annual Silent Auction

Stop by the Silent Auction Lounge across from General Session Hall in the lobby.

Browse, bid, buy on [aana18.gesture.com](http://aana18.gesture.com).

*(Bidding closes at 4:00 p.m. today.)*
### Thursday, April 26, 2018

**5:00 – 6:30 p.m.**  
Fountainview Room, Level 3

**BREW VERSUS WINE: HOW ORTHOPAEDIC SURGEONS VENTURE INTO AND ACHIEVE SUCCESS IN THE BEER AND WINE INDUSTRY (NON-CME)**

Moderator: Patrick St. Pierre, M.D., CSW (Certified Specialist in Wine), Coordinator  
Benjamin Dubois, M.D. (Owner, Bay City Brewing Co., San Diego, CA)  
Joseph Longo, M.D. (Owner, Tresori Wine, Willamette Valley, OR)

**DESCRIPTION:**  
This session will expose participants to orthopaedic surgeons’ involvement in the beer and wine industry by sharing experiences of current surgeons who are very involved or owners in the industry

**LEARNING OBJECTIVES**

- Understand and describe wine using the Sommelier’s Grid.
- Identify the tasting profiles of wines around the world and describe differences between new and old-world wines from France, Italy, Spain, Australia, New Zealand and the United States.
- Examine and participate in instructional tastings of beers from the Bay City Brewing Co. and wines from the Tresori Winery.

### Friday, April 27, 2018

**4:00 – 5:00 p.m.**  
Mississippi, Level 2

**A-TECH AND ALES (NON-CME)**

Join this happy hour presentation from Arthroscopy Techniques. They will showcase some of the most popular advances and new features from the online journal.

Moderator: J. Martin Leland III, M.D.  
Panelists: Christopher Tucker, M.D., LTC, Robert U. Hartzler, M.D., M.S.

Authors:

- Andrew G. Geeslin, M.D. - Bone Marrow Aspirate Concentrate Harvesting and Processing Technique. Arthroscopy Techniques, Vol. 6, Issue 2, e441–e445 (Published online: April 10, 2017)
- Gabriella Ode, M.D. - Adipose-Derived Stem Cell Transplant Technique for Degenerative Joint Disease. Arthroscopy Techniques – Article in Press (Published online: October 2, 2017)

**7:00 – 9:00 p.m.**

**AANA EDUCATION FOUNDATION DONOR RECEPTION (by invitation only)**

Please join us for our annual appreciation reception in honor of our generous donors and corporate supporters. Jackson Society members will be recognized and receive honorary pins.

### Saturday, April 28, 2018

**12:30 – 1:30 p.m.**  
Ontario, Level 2

**ARTHROSCOPY JOURNAL LUNCH AND COURSE**

James H. Lubowitz, M.D., Editor-in-Chief  
Michael J. Rossi, M.D., M.S., Assistant Editor-in-Chief  
Jefferson C. Brand, M.D., Deputy Editor

The editors of *Arthroscopy: The Journal of Arthroscopy and Related Surgery* – the peer-reviewed journal of AANA – will host a lunch for those interested in reviewing or writing papers for the publication. Insight into the review process will be provided. Expectations for paper structure and content as well as reviewer objectives and responsibilities will be outlined.

Snap a picture during a special session and share it on social media!
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4:00 p.m.</td>
<td>Welcome</td>
<td>Robert E. Hunter, M.D., AANA President</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Denver T. Stanfield, M.D., Chair, AANA Fellowship Committee</td>
</tr>
<tr>
<td>4:10 p.m.</td>
<td>Outline of the Day, Dinner and After Dinner Events</td>
<td>Denver T. Stanfield, M.D.</td>
</tr>
<tr>
<td>4:15 p.m.</td>
<td>Presentation of 2018 Resident Annual Meeting Scholarship Recipients</td>
<td>Denver T. Stanfield, M.D.</td>
</tr>
<tr>
<td>4:30 p.m.</td>
<td>Beginning a Career in Orthopaedic Surgery</td>
<td>Mary K. Mulcahey, M.D.</td>
</tr>
<tr>
<td>4:50 p.m.</td>
<td>Presentation of 2018 Traveling Fellowship</td>
<td>Leslie S. Matthews, M.D., and Traveling Fellows</td>
</tr>
<tr>
<td>5:00 p.m.</td>
<td>Becoming a Reviewer for the Arthroscopy Journal</td>
<td>James H. Lubowitz, M.D.</td>
</tr>
<tr>
<td>5:10 p.m.</td>
<td>10 Career Pearls for the Young Orthopaedic Surgeon</td>
<td>Thomas F. Golden, M.D.</td>
</tr>
<tr>
<td>5:25 p.m.</td>
<td>Breakout Session: Social Media, Marketing, Early Specialization, Call, Practice Variations</td>
<td></td>
</tr>
<tr>
<td>5:55 p.m.</td>
<td>Closing Comments</td>
<td>Denver T. Stanfield, M.D.</td>
</tr>
<tr>
<td>6:00 p.m.</td>
<td>Dinner</td>
<td></td>
</tr>
<tr>
<td>7:00 p.m.</td>
<td>Adjourn to the Presidential Suite</td>
<td></td>
</tr>
</tbody>
</table>
AANA18

Award Winners

**2018 RICHARD O’CONNOR RESEARCH AWARD**

Kotaro Yamakado, MD, PhD

For the paper titled:

“Healing Rate Comparison Between Suture-bridging and Medially Based Single Row Repair in Medium-sized Supraspinatus Tear: a Randomized Prospective Trial”

---

**2018 J. WHIT EWING RESIDENT/FELLOW RESEARCH AWARD**

Joshua S. Everhart, MD, MPH
Langston Hughes, BS
Katherine Swank, MD
Caroline Lewis, DPT
David C. Flanigan, MD

For the paper titled:

“Femoral Nerve Block for ACL Reconstruction Causes Lasting Fast Quadriceps Activation Deficits and May Increase Contralateral Injury Risk”

---

**2018 PATELLOFEMORAL ANATOMY RESEARCH EXCELLENCE AWARD**

Brian Forsythe, MD
Brian R. Waterman, MD
William A. Zuke
Richard Puzzitiello
Avinesh Agarwalla
Brian J. Cole, MD
Adam Yanke, MD

For the paper titled:

“Isolated Medial Patellofemoral Ligament Repair vs. Reconstruction: Rates and Risk Factors for Instability Recurrence in a Young, Active Population”

---

**STEPHEN S. BURKHART SHOULDER INNOVATION RESEARCH AWARD**

Brian R. Waterman, MD
Jon Newgren
Anirudh Gowd
Brandon Cabarcas
Bernard R. Bach, MD
Anthony A. Romeo, MD
Nikhil Verma, MD

For the paper titled:

“Randomized Prospective Trial of Arthroscopic Rotator Cuff with or without Acromioplasty: No Difference in Patient-Reported Outcomes at Long-Term Follow-up”

---

**LIFETIME ACHIEVEMENT AWARD**

Howard J. Sweeney, MD

---

**STEPHEN J. SNYDER ARTHROSCOPY INSTRUCTOR AWARD**

Gregg Nicandri, MD
A fully-equipped bio-skills training lab, HD bio-skills demo station/broadcast video studio and flexible, multi-purpose meeting/lecture room spaces makes the OLC an ideal venue for effective continuing medical education and surgical skills training.

Located in the heart of Rosemont, IL and just minutes from O’Hare and downtown Chicago, the OLC provides a central meeting location for groups traveling domestically or from abroad.

Advance Surgical Skills at the OLC

Take a virtual tour of the OLC by visiting www.olcevents.com!

847.384.4210 | OLCinfo@OLCevents.com
COURSE 101 | MICHIGAN, LEVEL 2
Controversies in the Use of Grafts and Patches for Rotator Cuff Surgery: Augmentation, Interposition, Superior Capsule Reconstruction and Bioinductive Scaffolds
Richard K.N. Ryu, M.D., Coordinator
John M. Tokish, M.D.
F. Alan Barber, M.D.
Mark H. Getelman, M.D.
Enrico Gervasi, M.D.

COURSE DESCRIPTION
This course will familiarize the participants with 1) the biology and mechanics of rotator cuff patches and grafts; 2) the indications for augmentation, interpositions, superior capsule reconstruction and bioinductive ingrowth using graft materials; and 3) the surgical technique for graft implantation.

LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. Examine the role of grafts and patches in rotator cuff surgery.
2. Identify the clinical indications for graft usage.
3. Illustrate the surgical technique and potential complications.

COURSE 102 | SUPERIOR, LEVEL 2
Innovative Techniques for Complex Meniscal Repair, Substitution and Meniscal Allograft Transplantation
Seth L. Sherman, M.D., Coordinator
Wayne K. Gersoff, M.D.
Scott A. Rodeo, M.D.

DESCRIPTION
Despite awareness of the important role of the meniscus, repair of complex meniscal tears (i.e., radial, horizontal, root) and treatment of meniscal deficiency remain a challenge. This course familiarizes the surgeon with innovative techniques for complex meniscal repair and meniscal healing, novel options for meniscus substitution, and meniscal allograft transplantation.

LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. Comprehend the diagnosis and overlap of tendinous and articular hip pathologies with core muscle injury.
2. Recall the most recent literature regarding operative and nonoperative management of these disorders.
3. Define surgical techniques for each condition.
COURSE 104 | ERIE, LEVEL 2
Coding and Reimbursement
Louis F. McIntyre, M.D., Coordinator
William R. Beach, M.D.
Eric C. Stiefel, M.D.

COURSE DESCRIPTION
This ICL will review correct concepts of E and M and surgical orthopaedic coding. It will present current trends in the regulatory environment and health care legislation. It will present AANA advocacy efforts concerning coding, reimbursement and government affairs.

LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
2. Define current regulatory and legislative trends and new rules and regulations.
3. Explain AANA efforts to improve the practice environment and patient access to musculoskeletal care.

COURSE 105 | ONTARIO, LEVEL 2
Evolving Concepts in the Care of Women in Sports: an Update in 2018
Mary K. Mulcahey, M.D., Coordinator
Elizabeth G. Matzkin, M.D.
Felix H. Savoie III, M.D.
Julie A. Dodds, M.D.

COURSE DESCRIPTION
This course will review the benefits and rationale behind creating an interdisciplinary team to care for active women. The non-modifiable and modifiable risk factors that place women at increased risk for ACL tears as well as recommendations for injury prevention will also be discussed. Additionally, the diagnosis and management of shoulder instability and patellofemoral pathology in female athletes will be covered in detail.

LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. Summarize the most recent data on musculoskeletal injuries that are unique to or more common in women.
2. Recognize the factors that place women at higher risk for ACL tears and the options for injury prevention.
3. Illustrate the up-to-date diagnoses of patellofemoral joint pathology in active women and latest treatment options.
COURSE 201 | HURON, LEVEL 2
“The Holy Grail: Can We Successfully Treat the Overhead Athlete?” Expert Advice and Experience
Michael T. Freehill, M.D., Coordinator
Richard K.N. Ryu, M.D.
John M. Tokish, M.D.
Thomas J. Noonan, M.D.
Pietro Randelli, M.D.

COURSE DESCRIPTION
This exciting and unique course lecture will be a case-based, “interactive” discussion on common injuries seen at the shoulder and elbow in overhead throwers. A variety of sports will be discussed including baseball, football, volleyball and tennis. Learn from faculty with experience treating these injuries in all ages including the National Football League, Major League Baseball and National Collegiate Athletic Association Division 1 athletes. Emphasis will be placed on an increased number of case presentations with ample time for discussion. Current treatment strategies from nonoperative management strategies, to the latest biologic options and expectations, and surgical decision-making with technical detail will all be highlighted.

LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. Identify state of the art physical findings, diagnostic imaging and surgical as well as nonsurgical options for the symptomatic shoulder in the throwing athlete.
2. Examine physical findings, imaging and surgical as well as nonsurgical options to include biologics in the treatment of the elbow in the overhead athlete.
3. Increase knowledge through case-based, interactive presentations to improve their decision-making skills in the management of complex shoulder and elbow injuries in the overhead athlete.

COURSE 202 | ERIE, LEVEL 2
MPFL, MQTFL and MPFC Reconstruction for Patellar Instability: Anatomy, Indications and Surgical Technique
Miho J. Tanaka, M.D., Coordinator
John P. Fulkerson, M.D.
Andrew J. Cosgarea, M.D.
Jack Farr, II, M.D.

DESCRIPTION
Many surgical options exist in the treatment of patellar instability. In addition to MPFL reconstruction, newer procedures including MQTFL and MPFC reconstructions can be confusing for those interested in patellofemoral surgery. In this ICL, these procedures are discussed in terms of their indications and techniques, with an emphasis on anatomy, key surgical concepts such as graft tensioning and indications, and tips to avoid complications. Case-based discussions with expert panelists will also be utilized to highlight these teaching points.

LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. Examine the anatomy and biomechanics of the medial soft tissue patellar stabilizers.
2. Comprehend the indications and technique options for soft tissue-based stabilization procedures.
3. Identify the complications that can occur and how to avoid them.

COURSE 203 | SUPERIOR, LEVEL 2
Panelists Tell All – Deciphering What Is Fact or Fiction in Hip Arthroscopy
Travis G. Maak, M.D., Coordinator
Shane J. Nho, M.D.
Richard C. Mather III, M.D., M.B.A.
Michael J. Salata, M.D.
Nicola Santori, M.D.

COURSE DESCRIPTION
This course will discuss the current, cutting-edge trends and techniques in hip arthroscopy including: partial and complete labral reconstruction, subspine decompression, ligamentum teres reconstruction, capsular plication or augmentation, psoas impingement decompression, deep gluteal space arthroscopy, and abductor insufficiency and arthroscopic repair. Surgical indications and techniques including pearls, pitfalls and complications will be presented. A case-based approach will be employed to illustrate the aforementioned indications and techniques. A particular focus will be placed on an evaluation of the level of evidence behind many of these cutting-edge techniques and how this may help guide indications for these surgical procedures.
LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. Develop a comprehensive understanding of the latest cutting-edge techniques in hip arthroscopy including surgical indications for each.
2. Explain and safely perform many of the latest hip arthroscopy surgical techniques.
3. Critically evaluate and understand the evidence behind these new hip arthroscopic techniques that are frequently presented, published and performed.

COURSE 204 | MICHIGAN, LEVEL 2
Orthobiologics State of the Art 2018: What You Need to Know for Your Practice – A Case-Based Approach
ON Foundation
Brian J. Cole, M.D., M.B.A., Coordinator
Jason L. Dragoo, M.D.
Matthew T. Provencher, M.D., CAPT MC USNR
Alberto Gobbi, M.D.

COURSE DESCRIPTION
Orthobiologics continue to be an emerging area of orthopaedic treatment for a variety of cartilage, tendon and bone pathologies. This course provides a case-based approach to the clinical and surgical application of biologic treatment modalities such as platelet-rich plasma, bone marrow aspirate concentrate, amniotic and adipose-derived injections. This course will review the techniques, efficacy, indications and contraindications for each type of orthobiologic. Additionally, this course will discuss integration of orthobiologics into clinical practice and the current pathways for reimbursement.

LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. Compare and contrast the efficacy, techniques, indications and contraindications of existing orthobiologic treatment modalities.
2. Discuss the future directions and emerging orthobiologic treatments.
3. Show providers the existing pathways for orthobiologic reimbursement to allow integration into clinical practice.

COURSE 205 | ONTARIO, LEVEL 2
Interpret Technical Tips for Surgeons and How to Approach Revision ACL on the Day of Surgery
Matthew J. Salzler, M.D., Coordinator
John C. Richmond, M.D.
Volker Musahl, M.D.
Brian Forsythe, M.D.

COURSE DESCRIPTION
The large rise in participation in recreational and organized sports in the over 40 age group has brought with it a corresponding increase in the number of ACL tears in that population. This course will begin with a review of the biology of the masters’ athlete including the multiple structural and biomechanical age-dependent changes of the ACL (less mesenchymal stem cells, less healing potential, less structural organization, less stiffness and a lower load to failure) and their implication on graft choice (autograft versus allograft), rehabilitation and return to sports. It will then review what is currently known about conservative management as well as surgical indications and outcomes. It will then focus on pearls and pitfalls in surgical technique and rehabilitation in this population in order to maximize outcomes. Finally, it will conclude with an in-depth discussion about the management of concomitant pathology including mild-moderate osteoarthritis with osteotomies and the treatment of meniscal pathology in this population. This course will focus on a case-based session to optimize audience interaction.

LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. Examine and comprehend the preparation for a revision ACL reconstruction.
2. Describe intra-operative management of existing and new tunnels, hardware and grafts.
3. Discuss various intra- and post-operative pearls and pitfalls.
AANA18
Instructional Courses

Friday, April 27, 2018 | 7:00 – 8:30 p.m.

COURSE 206 | OHIO, LEVEL 2
AANA Emerging Leaders in Arthroscopy
Brian R. Waterman, M.D., Coordinator
Mary K. Mulcahey, M.D.
J. Martin Leland III, M.D.

DESCRIPTION
This program will discuss important leadership skills and effective tactics for diverse practice settings from the perspective of one of AANA’s top leaders. Considerations for changing practices during early and mid-career will be reviewed and methods for effectively utilizing web-based and social media to market a sports medicine clinical practice will be explored.

LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. Emphasize the “lessons learned” and fundamental principles of leadership in diverse clinical settings.
2. Discuss the pertinent considerations when changing practices, including transitioning between academic, private practice, government and hospital-employed systems.
3. Identify successful and sustainable strategies for incorporating web-based and social media marketing into a sports medicine clinical practice.

Practice Management Course

November 8–9, 2018
Orthopaedic Learning Center | Rosemont, IL
Brian Cole, M.D., M.B.A., and Jack Bert, M.D.

Address important topics, such as:
• Maximizing Your Revenues and Compliance
• Investing and Protecting Assets
• Reimbursement
• Marketing Your Practice

Register now aana.org/practice
MORE OF WHAT MATTERS TO YOU & YOUR PRACTICE.

ORTHOPEDICS TODAY helps you stay informed and engaged with the news and information you need.

MORE Physician perspective

MORE Surgical techniques

MORE Journal summaries

MORE Meeting coverage

Healio.com/Orthopedics

THE ONLY INDEPENDENT CLINICAL NEWS SOURCE
Instructional Courses

Saturday, April 28, 2018  |  7:00 – 8:30 a.m.

**COURSE 301 | ONTARIO, LEVEL 2**
Revision Treatment Options for Recurrent Instability Following Failed Anterior Arthroscopic Stabilization
Albert Lin, M.D., Coordinator
Matthew T. Provencher, M.D. CAPT MC USNR
Aman Dhawan, M.D.
Michael T. Freehill, M.D.
Enrico Gervasi, M.D.

**COURSE DESCRIPTION**
The optimal revision surgical treatment following a failed arthroscopic anterior stabilization is controversial, particularly in cases without significant bone loss of the glenoid or humeral head. Management options include revision open versus arthroscopic stabilization with particular considerations based on age, status of soft tissue, level of activity, type of sports, and expectations of the patient and surgeon. Open options for revision surgery include open Bankart, open Latarjet or other bone augmentation procedures including newer arthroscopic assisted approaches. Arthroscopic revision options include a revision arthroscopic stabilization with or without remplissage. In this instructional course lecture, we discuss in a case-based, point/counterpoint format the pros and cons of open versus arthroscopic approaches with particular attention on long term follow-up, risk of recurrence, return to sport, and surgical technique including pearls and pitfalls.

**LEARNING OBJECTIVES**
At the completion of this course, the participant will be able to:
1. Gain a better understanding of the treatment spectrum available in this challenging scenario as well as gain a detailed appreciation of risks and benefits of associated with each approach.
2. Gain an understanding of the technical pearls and pitfalls with each stabilization method.
3. Develop an individualized treatment algorithm for the patient depending on the clinical scenario that will guide discussion regarding postoperative expectations.

**COURSE 302 | MICHIGAN, LEVEL 2**
MPFL, MQTFL and MPFC Reconstruction for Patellar Instability: Anatomy, Indications and Surgical Technique
Michael J. Alaia, M.D., Coordinator
Cory Edgar, M.D., Ph.D.
Volker Musahl, M.D.
Andrea Ferretti, M.D.
Matthew J. Matava, M.D.

**COURSE DESCRIPTION**
This course will review practical information and technical tips for surgeons who perform revision anterior cruciate ligament (ACL) reconstruction. The case presentations will highlight decision-making skills and solutions to common, challenging problems.

**LEARNING OBJECTIVES**
At the completion of this course, the participant will be able to:
1. Determine the preparation and indications for a revision ACL reconstruction as well as trying to determine cause of failure of initial ACL reconstruction.
2. Address concomitant pathology to reduce failure rate (i.e., multi-ligamentous instability, malalignment and meniscal insufficiency).
3. Interpret technical tips for surgeons and how to approach revision ACL on the day of surgery.

**COURSE 303 | ERIE, LEVEL 2**
Shoulder Instability With Bone Loss
Ivan H. Wong, M.D., FRCSC, Coordinator
John D. Kelly, IV, M.D.
Paul J. Favorito, M.D.
John M. Tokish, M.D.
Pietro Randelli, M.D.

**COURSE DESCRIPTION**
Shoulder instability with bone loss has been a significant concern for higher failure rates from shoulder surgery. There have been significant advances in the detection and surgical management of shoulder instability with bone loss. Faculty will discuss the decision-making process for treatment of shoulder instability with bone loss and discuss techniques and outcomes of various arthroscopic treatment options. There will be interactive case-based presentations at the conclusion of the didactic lectures, focusing on complex decision-making and advanced surgical techniques.
LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. Describe best practice preoperative measurement of bone loss in shoulder instability.
2. Describe decision-making process for addressing bone loss on humeral side.
3. Describe arthroscopic technique and early outcomes of coracoid, distal clavicle and distal tibial grafts.

COURSE 304 | HURON, LEVEL 2
Hip Pain in the Pediatric and Adolescent Athlete: A Case-Based Discussion
Stephanie W. Mayer, M.D., Coordinator
Jeffrey J. Nepple, M.D.
Henry B. Ellis, M.D.
Yi-Meng Yen, M.D.
Nicola Santori, M.D.

COURSE DESCRIPTION
This ICL is designed to present challenging cases of hip conditions in pediatric and adolescent athletes commonly seen by sports medicine providers including femoroacetabular impingement, dysplasia, avascular necrosis and pelvic apophyseal injuries. This course will use real cases as the basis for discussion of evidence-based treatment strategies.

LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. Comprehend the optimal diagnostic work up for FAI and acetabular dysplasia in young athletes, the current nonoperative and surgical options, postoperative rehabilitation strategies and return to sports plans in these athletes, and the options for borderline dysplasia and combined dysplasia with FAI.
2. Determine the optimal diagnostic work up of avascular necrosis of the femoral head, the current nonoperative, biologic and surgical options, and return to sports in young athletes.
3. Examine the etiology and optimal diagnostic work up of pelvic apophysitis and avulsion fractures, the current rehabilitation and return to sport strategies, and when surgical intervention is indicated.

COURSE 305 | SUPERIOR, LEVEL 2
The MSK Ultrasound Top 5: Diagnoses and Guided Injections
Don A. Buford, M.D., Coordinator
Benjamin Dubois, M.D.

COURSE DESCRIPTION
This course will include one hour of lecture on the most common orthopaedic applications for musculoskeletal (MSK) ultrasound. We will discuss using ultrasound for diagnosis of common orthopaedic pathologies and also using ultrasound to guide common orthopaedic injections. We will also have a 30-minute live-patient demonstration, with questions and answers, showing real-time clinical images for the top five diagnostic conditions and guided injections.

LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. Learning which orthopaedic diagnoses MSK ultrasound is useful for.
2. Learning which orthopaedic injections MSK ultrasound is useful for.
3. Learning tips on integrating MSK ultrasound into a clinical practice.

COURSE 306 | OHIO, LEVEL 2
Teach the Teachers: Improving Your Skills as an Orthopaedic Lab Instructor
Joseph C. Tauro, M.D., Coordinator
Michael D. Feldman, M.D.
Jonathan J. Myer, M.D.
Gregg T. Nicandri, M.D.
Susan L. Carlson, M.S.Ed.

COURSE DESCRIPTION
This instructional course will focus on improving the teaching skills of orthopaedic surgeons who volunteer at AANA course in the Orthopaedic Learning Center (OLC), as well as any orthopaedic surgeon involved in the education of other surgeons, residents and fellows.

LEARNING OBJECTIVES
At the completion of this course, the participant will be able to:
1. State the role of lab instructors in motor skills training for orthopaedic surgery, including surgeon education, and promoting patient safety.
2. Identify methods to improve the educational experience of course attendees including the application of proficiency-based training and the use of simulators.
3. Develop communication skills to address challenging situations in the lab.
CME Information

STATEMENT OF NEED
The need for this activity has been determined based on identifying professional practice gaps previous course evaluations and the AANA Self-Assessment. The education content of this activity was based upon current issues and topics provided by the Arthroscopy Association of North America (AANA) planning committees and membership.

TARGET AUDIENCE
The target audience is AANA members and other health care professionals who desire to improve their arthroscopy knowledge, competence, performance and patient outcomes.

GLOBAL LEARNING OBJECTIVES
This comprehensive educational meeting provides learners with opportunities to:

• Examine and apply basic scientific information and technical skills in arthroscopic surgery and update knowledge regarding state-of-the-art advances in arthroscopic surgical treatment.

• Evaluate the current evidence base for diagnosis and clinical management of joint disorders.

• Review their current practice management expertise, clinical and technical skills to improve the everyday practice of arthroscopic surgery.

CME MISSION STATEMENT
The Arthroscopy Association of North America (AANA) is a provider organization accredited by the Accreditation Council for Continuing Medical Education (ACCME). The organization exists to promote, encourage, support and foster the development of continuing medical education activities that are free of commercial bias and designed to disseminate knowledge, competence, performance and improve the diagnosis and treatment of diseases and injury to the musculoskeletal system.

ACCREDITATION
This activity has been planned and implemented in accordance with the Essential Areas and policies of the ACCME. AANA is accredited by ACCME to provide continuing medical education for physicians.

AMA PRA CATEGORY 1 CREDIT™ DESIGNATION
AANA designated this live educational activity for a maximum of 26.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ADVANCED PRACTITIONERS
AANA is not accredited to offer credit to PAs, NPs or RNs. To determine if activities offer AMA PRA Category 1 Credit™ for your licensing, continuing education or certification needs, please contact the relevant organizations directly.

AANA is approved by the Board of Certification, Inc. to offer continuing education for Certified Athletic Trainers.

DISCLOSURE STATEMENT
In accordance with the ACCME Standards for Commercial Support™ (SCS 2.3) it is the policy of AANA that all planners, teacher and authors who are in the position to control the content of an education activity are required to disclose to AANA, the accredited provider and the activity audience, all relevant financial relationships. An individual has a relevant financial relationship if he/she (or spouse/partner) has a financial relationship in any dollar amount that has occurred during the previous 12 months with a commercial interest whose products and services are discussed in the CME activity content over which the individual has control. A commercial interest is defined as any entity producing, marketing, re-selling, or distributing health care goods or services consumer by, or used on, patients. The ACCME Standards for Commercial Support™ (SCS 2.3) requires accredited CME providers to resolve all identified potential conflicts of interest with any individual in a position to influence and/or control the content of CME activities prior to the education activity being delivered to learners. AANA has implemented mechanisms prior to the planning and implementation of each CME activity, to identify and mitigate conflicts of interest for all individuals in a position to control the content. All Conflict of Interest Disclosures will be provided in the final activity materials provided to the program participants.
RESOLUTION OF CONFLICTS OF INTEREST

In accordance with the ACCME Standards for Commercial SupportSM AANA has developed mechanisms prior to the planning and implementation of the CME activity to identify and mitigate conflicts of interest for all individuals in a position to control the content of the CME activity.

UNAPPROVED USE DISCLOSURE

AANA requires all CME faculty to disclose to learners when products and procedures are being discussed that are off-label (not approved for the indications being discussed), unlabeled (not approved for any indications), experimental, and/or investigational (not FDA approved); and any limitations on the information that is presented, such as data that are preliminary or that represent ongoing research and/or unsupported opinion. This information is intended solely for CME and is not to promote off-label use of these products/procedures.

INDEPENDENCE IN CME

It is the mission of AANA as a provider accredited by ACCME to provide independent, fair, balanced, bias-free, peer-reviewed continuing medical education to its members and any other qualified individuals who practice endoscopic and minimally invasive surgery on the musculoskeletal system to improve patient care and health care outcomes.

AANA implements strategies to ensure these standards are met. The Program and Education Committee members provide disclosure information prior to planning the education program and recuse themselves if a conflict is present in relation to the subject matter presented. When developing the program, the committee members review abstracts and conflict of interest disclosure forms, needs assessments/gaps/evaluation data, and past speaker/session scores. Potential speakers are sent guidelines to ensure independence in the development of content and the Compliance Committee reviews the content and disclosures and resolves any conflicts prior to presentation.

Content Validation

AANA education activities are developed to promote improvements in health care delivery and not to promote a specific proprietary interest or commercial interest. Presentations should reflect the latest in scientific methods generally accepted by the medical community at-large, evidence-based and discuss the validity of the evidence upon which they base the opinion(s). This ensures the audience that the recommendations are supported by the evidence and contributes to the management of any potential conflicts of interest. If the presentation contains discussion of unlabeled use of a commercial product, this must also be disclosed to the participants. Use of generic names should also be used where possible to contribute to the impartiality. If trade names are included several names from different companies should also be used.

EVALUATION AND OUTCOMES MEASUREMENT

AANA employs several methods to assess the CME activity effectiveness. Evaluations are provided to session directors, speakers, attendees and Speaker Managers to assess the education content, delivery and speaker performance and Conflict of Interest disclosure management. Post-course analyses are also conducted three months after the CME activity to determine if changes in behavior, as a result of the learning activity, have been implemented and maintained.

Evaluations are reviewed by the Needs Assessment & Outcomes Committee in addition to Speaker Manager evaluations to determine the effectiveness of the AANA Conflict of Interest Policy. Any speakers identified as violating the policy may not be invited to participate in future educational programs.

DISCLOSURE STATEMENT

The methods, techniques and procedures demonstrated, and views and opinions expressed by speakers, presenters and faculty are their own and do not necessarily represent those of AANA, nor does presentation on the program represent or constitute endorsement or promotion by AANA.

AANA expressly disclaims any warranties or guarantees, expressed or implied, and shall not be liable for damages of any kind in connection with the material, methods, information, techniques, opinions or procedures expressed, presented or demonstrated.
Industry Presentations (Non-CME)

Lunch and Learn presentations are 60 minutes of high-value live education. These opportunities are promotional and the sessions do not receive CME credit. Boxed lunches are limited and are provided on a first-come, first-served basis.

**WEDNESDAY, APRIL 25 | 5:15 – 6:15 p.m.**
**MICHIGAN, LEVEL 2**

**Localized Treatment for Osteoarthritis of the Knee With a Novel Intra-Articular Formulation**

*Supported by: Flexion*

John Richmond, MD

Osteoarthritis of the knee (OAK) is increasing in prevalence, with patients being diagnosed earlier and living longer with pain. With the increasing impact of OAK, it becomes increasingly important for clinicians to have treatment options along the disease continuum to alleviate the joint pain that is a hallmark of OAK.

This program will introduce ZILRETTA® (triamcinolone acetonide extended-release injectable suspension), the first and only FDA-approved intra-articular treatment for OAK pain utilizing extended-release microsphere technology.

**THURSDAY, APRIL 26 | 6:45 – 7:45 a.m.**
**ERIE, LEVEL 2**

**Innovations, advanced techniques and opioid-minimizing approaches for ACL surgery**

*Supported by: DePuy Synthes*

Alan Barber, M.D., Joe Burns, M.D., Scott Sigman, M.D.

A case-based discussion and audience interactive symposium, featuring new products and unique technologies from DePuy Synthes Mitek Sports Medicine. Also including the latest data, techniques and trends in opioid-sparing post-surgical pain management solutions.

**FRIDAY, APRIL 27 | Noon – 1:00 p.m.**
**ONTARIO, LEVEL 2**

**Shifting the paradigm: Post-free distraction**

*Supported by: Stryker*

Chad Mather, M.D., Michael Salata, M.D.

Please join our esteemed faculty for an engaging symposium on the newest technology in distraction. Discover the benefits of post-free.

**FRIDAY, APRIL 27 | Noon – 1:00 p.m.**
**MICHIGAN, LEVEL 2**

**Busting Myths About Knee Surgery: Learn New Ways to Improve Your Patients’ Outcomes**

*Supported by: Smith & Nephew*

Geoffrey Van Thiel, M.D., Nirav Amin, M.D.

At this session, surgeons will learn:
- The rationale that supports meniscal repair over meniscectomy and dispel myths around repair related to age restrictions, success rates, health economics
- Tips and pearls when repairing torn menisci via a case-based review of images and videos
- Pathology based soft tissue treatments using the latest technologies.

**FRIDAY, APRIL 27 | Noon – 1:00 p.m.**
**HURON, LEVEL 2**

**Treatment of Subchondral Bone Defects featuring The Subchondroplasty® (SCP®) Procedure**

*Supported by: Zimmer Biomet*

Shariff K. Bishai, D.O., M.S., FAOAO–Detroit, MI

The Subchondroplasty® Procedure symposium will provide scientific and clinical details about the Subchondroplasty®, an exciting minimally-invasive, fluoroscopically-assisted procedure that targets and fills subchondral bone defects, often called Bone Marrow Lesions (BML’s), with AccuFill® BSM, a hard setting biomimetic bone substitute.

**FRIDAY, APRIL 27 | Noon – 1:00 p.m.**
**SUPERIOR, LEVEL 2**

**Everything You Wanted to Know About Massive Rotator Cuff Tears and Superior Capsule Reconstruction, But Were Afraid to Ask**

*Supported by: DePuy Synthes*

Dr. Richard K.N. Ryu, M.D

A Candid, No-Nonsense Case-Based Audience Interactive Session.
<table>
<thead>
<tr>
<th>Time</th>
<th>Committee</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 – 9:30 a.m.</td>
<td>Learning Center</td>
<td>Bridgeport</td>
</tr>
<tr>
<td>8:30 – 10:30 a.m.</td>
<td>Education Foundation</td>
<td>Lakeview</td>
</tr>
<tr>
<td>1:30 – 2:30 p.m.</td>
<td>International</td>
<td>Bucktown</td>
</tr>
<tr>
<td>2:30 – 3:30 p.m.</td>
<td>Development</td>
<td>Bucktown</td>
</tr>
<tr>
<td>7:30 – 8:30 a.m.</td>
<td>Fellowship</td>
<td>Lakeview</td>
</tr>
<tr>
<td>8:30 – 9:30 a.m.</td>
<td>Past Presidents Council</td>
<td>Lakeview</td>
</tr>
<tr>
<td>Noon – 1:00 p.m.</td>
<td>Education</td>
<td>Pullman</td>
</tr>
<tr>
<td>2:30 – 4:30 p.m.</td>
<td>Advocacy</td>
<td>Lakeview</td>
</tr>
<tr>
<td>2:30 – 3:30 p.m.</td>
<td>Communications/Technology</td>
<td>Pullman</td>
</tr>
<tr>
<td>4:00 – 5:00 p.m.</td>
<td>Biologics Alliance</td>
<td>Pullman</td>
</tr>
</tbody>
</table>
AANA and the Editors of *Arthroscopy* would like to once again recognize and thank this superb group of reviewers who generously volunteered their time and expertise in evaluating manuscripts in 2017.

Rene Jorge Abdalla, M.D., Ph.D.
Ashraf Abdelkafy, M.D., Ph.D.
Geoffrey D. Abrams, M.D.
Michael J Aliaia, M.D.
Jesús Alfaro-Adrián, M.D., D.Phil.(Oxon)
Eyal Amar, M.D., B.Sc.
Diego Amenabar, M.D.
Tomas Amenabar, M.D.
Michael H Amini, M.D.
Richard L. Angelo, M.D.
Justin W Arner, M.D.
Lyall Ashberg, M.D.
Aravind Athiviraham, M.D., F.R.C.S.(C)
James Bailey, M.D.
F. Alan Barber, M.D.*
Brian T. Barlow, M.D.
Todd C. Battaglia, M.D., M.S.
Leslie John Bisson, M.D.
Andrew J. Blackman, M.D.†
Mario Borroni, M.D.
Robert E. Boykin, M.D.
Paul Christopher Brady, M.D.
Karen Kay Briggs, M.P.H.
Matthias Brockmeyer, M.D.
Taylor Brown, M.D.†
M. Tyrrell Burrus, M.D.
Matthew Busam, M.D.
Ian Robert Byram, M.D.
Gregory F. Carolan, M.D.†
Luis-Pedro Carranza, M.D.
Sasha Caren, M.D.
Jaskarnip Dhahal, M.D., F.R.C.S.C.
Jorge Chahla, M.D., Ph.D.
J. Emory Chapman, M.D.†
James L. Chen, M.D., M.P.H.
Jiwu Chen, M.D., Ph.D.
Frederic Chi, M.D.
Paul Chin, M.D., Ph.D.
Nam-Hong Choi, M.D.†
Kevin Christensen, M.D.
John Christoforetti, M.D.†
Yong-Min Chun, M.D, Ph.D.
William Ciccone, M.D.†
Ron Clark, M.D. *†
Steven B. Cohen, M.D.
Marco Conca, M.D.
David Coons, D.O.
Adrián Cuéllar, M.D.
Ricardo Cuéllar, M.D., Ph.D.
Gregory L. Cvetanovich, M.D.
Riccardo D’Ambrosi, M.D.
Vinicius Ynoe de Moraes, M.D.
Luca Dei Giudici, M.D.
Patrick J. Denard, M.D.†
Brian Devitt, M.D., F.R.C.S.
Christopher B. Dewing, M.D.
Yasmin Dhar, M.D.
Matthew F. Dilisio, M.D.†
David Y. Ding, M.D.
Benjamin G. Domh, M.D.†
Michael Donohue, M.D.
Thomas Dowd, M.D.
Matthew Driscoll, M.D.
Guillaume D. Dumont, M.D.
Josef Eichinger, M.D.†
Max Ekdahl, M.D.
Youssef El Bitar, M.D.
Melchor Iván Encalada Diáz, M.D.
Nathan Kincaid Endres, M.D.
Brandon Erickson, M.D.
Joshua Scott Everhart, M.D. M.P.H.
Filippo Familiaris, M.D.
Nathan Fanter, M.D.†
Kevin W. Farmer, M.D.
Sebastian Farr, M.D.
Scott C. Faucett, M.D., M.S.†
Paul J. Favorito, M.D.†
Eric Ian Ferkel, M.D.
Fernando Portilho Ferro, M.D.
Kelly Fitzpatrick, D.O.
Michael Fitzpatrick, M.D.
David J. Fleiss, M.D.
Brian Forsythe, M.D.
Rachel M. Frank, M.D.
Carl R. Freeman, M.D.
Shreyash M. Gajjar, M.S., F.R.C.S.Ed, F.R.C.S.Ed(Tr&Orth)
Robert August Gallo, M.D.
Trevor Gaskill, M.D.†
Andrew Geeslin, M.D.†
Jonathan Gelber, M.D., M.S.
Christian Gerhardt, M.D.
Brian B. Gilmer, M.D.†
Jonathan Alexander Godin, M.D., M.B.A.
Alexander Golant, M.D.
Jason Grassbaugh, M.D.†
Benjamin Graves, M.D.
Ronald Grelslamer, M.D.
Carlos A. Guanche, M.D.
Benjamn Guevara, M.D.†
Vicente Gutierrez, M.D.
Nima Hafezi-Nejad, M.D. M.P.H.
Richard Haigler, M.D.
Andrew Maxwell Hanflk, M.D.
John H. Harp, M.D.
David Hartigan, M.D.
Robert Ullrich Hartzler, M.D., M.S.
S. Ashfaq Hasan, M.D.
Samer S. Hasan, M.D., Ph.D.†
Wendell Heard, M.D.
Marcus Hofbauer, M.D.
Daniel Joshua Hoppe, M.D., M.Ed.
Joseph Horton, M.D.
Scott A. Hrnack, M.D.†
Yinghui Hua, Ph.D., M.D.
Stephen A Hunt, M.D.
Jason G. Hubanek, M.D.
James A. Hurt, III, M.D.
Omer A. Ilahi, M.D.
Nilesh P. Ingle, Ph.D.
Mehmet Isyar, M.D.
Aldo F. Izaguirre, M.D. M.Sc.
Robert Alan Jack, M.D.
Timothy J. Jackson, M.D.†
Chris K. John, M.D.
Anthony Eugene Johnson, M.D.
Peter Jokl, M.D.*
Kristofer J. Jones, M.D.
Patrick Wakefield Joyner, M.D., M.S.
Niraj V. Kalore, M.D.†
Kunal P. Kalra, M.D.
Mustafa Karahan, M.D.†
Brian James Kelly, M.D.
John D. Kelly, IV, M.D.
Andrew Douglas Kersten, M.D.
Michael Khazzam, M.D.
Ata M. Kiapour, Ph.D.
Sunghwan Kim, M.D.
Sung-Jae Kim, M.D., Ph.D.
Jörn Kircher, M.D.†
Burt Klos, M.D., Ph.D.
Melissa A. Kluczynski, M.S.
Thomas P. Knapp, M.D.†
Kyoung Hwan Koh, M.D.†
Robert Kollmorgan, D.O.†
Yogesh Vinod Kolwadkar, M.D., M.R.C.S., M.Ch., M.S.
Bradford B. Kraetzler, M.D.†
Christopher D. Kreulen, M.D., M.S.
Peter R. Kurzweil, M.D.*
Adam Kwapisz, M.D., Ph.D.
Sameh Labib, M.D.†
Eric Launer, M.D.
Keith L. Lawhorn, M.D.
Lance LeClere, M.D. †
Cassandra A. Lee, M.D.
Sang Hak Lee, M.D., Ph.D. †
Yee Han Dave Lee, M.D., M.B.B.S., F.R.C.S.(Orth)
Young Koo Lee, M.D.
Guang-hua Lei, M.D., Ph.D.
Jordan Michael Leith, M.D., M.H.Sc.
Mark J. Lemon, M.D. †
Christopher James Lenarz, M.D.
James P. Leonard, M.D.
Timothy Leroux, M.D., M.Ed., F.R.C.S.C.
Timothy Leroux, M.D., M.Ed.
F.R.C.S.C.
Bruce A. Levy, M.D. †
Seung-Jae Lim, M.D.
Tae Kang Lim, M.D. †
Cheng-Li Lin, M.D.
Timothy Joseph Lin, M.D., M.S.
Thomas N. Lindenfeld, M.D.
Sheryl Lipnick, D.O.
Olaf Lorbach, M.D. †
Stephan Lorenz, M.D.
Wei Lu, M.D., Ph.D.
Jeffrey Macalena, M.D.
Mahir Mahiorgullari, M.D.
Eric C. Makhni, M.D., M.B.A.
Krishna Mallik, M.D.
Matthew Mantell, M.D.
Hal David Martin, D.O. †
Alberto Enrique Martinez, M.D.
Rafael Martinez, M.D., Ph.D.
Juan Pablo Martinez Cano, M.D., M.Sc.
Randy Mascarenhas, M.D.
Dean K. Matsuda, M.D.
Elizabeth Matzkin, M.D. †
Michael McCabe, M.D.
Brian McColl, M.D.
Robert McCormack, M.D.
Christopher Laurence McCrum, M.D.
Lucas S. McDonald, M.D., M.P.H.&T.M.
Niall P. McGoldrick, M.Ch., M.R.C.S.I.
Alexander Kent Meininger, M.D.
Robert Meislin, M.D. †
Patricio Melean, M.D. †
G. Klaud Miller, M.D.* †
Seth Millstein, M.D.
Kyong S. Min, M.D.
Marvin Minkus, M.D.
Justin J. Mitchell, M.D.
Buru Gilbert Moatshe, M.D.
Amit Mukesh Monaya, M.D.
Joan C. Monllau, M.D., Ph.D. †
Brent Joseph Morris, M.D.
Mary Mulcahey, M.D.
Jeff Mulholland, M.D.
Kevin R. Murray, M.D.
William D. Murrell, M.D.
Karthik Murugappan, M.B.B.S, M.S.
(Ortho), D.N.B., M.R.C.S.
Islam M. Nassar, M.D., M.B.A., M.H.A.
Ryan Nelson, D.O.
Jeffrey J. Neple, M.D. †
Duong Nguyen, M.D., M.Sc.(c), F.R.C.S.C.
Clayton W. Nuelle, M.D.
John Nyland, Ed.D., D.P.T.
Kenneth M. Oates, M.D.* †
Michael J. O'Brien, M.D.
Derek Ochian, M.D.
John M. O'Donnell, M.B.B.S., F.R.A.C.S.
Kelechi R. Okoroha, M.D.
Dionisio Ortiz, M.D.
Sven Ostermeier, M.D. †
Peters Otlans, M.D., M.P.H.
Haluk Hayri Oztekin, M.D.
Ronald S Paik, M.D.
Mark Pallis, D.O.
Robert L. Parisien, M.D.
Min Jung Park, M.D., M.M.Sc.
Nikolaos K. Paschos, M.D. †
Thilo Patzer, M.D., Ph.D.
Leo Pauzenberger, M.D.
Aasta Pedersen, M.D.
Robert Alan Pedowitz, M.D., Ph.D.
Andrew Tennant Pennock, M.D.
Massimo Petrera, M.D.
Maximilian Petri, M.D.
Jason Phillips, M.D.
Kevin D. Plancher, M.D. †
Chadwick C. Prodromos, M.D.
David Pula, M.D. †
Dipak Raj, F.R.C.S. (Tr&Orth), M.Ch.
Orth, M.S.
Eric T. Ricchetti, M.D.
David P. Richards, M.D.
T. J. Ridley, M.D.
Christopher James Roach, M.D.
Chris P. Roberts, M.B.B.S., F.R.C.S.* †
Marcus A. Rothenrath, M.D.
Michael K. Ryan, M.D.
Tönu Saartok, M.D., Ph.D.
Mariestella Francesca Saccomanno, M.D., Ph.D.
Patrick Sadoghi, M.D.
Adnan Sairith, B.Med.Sci.(Hons)
M.B.Ch.B., M.Sc., DipSEM, F.R.C.S.
John Paul Salvo, M.D.
Matthew Salzler, M.D.
Gonzalo Sanmitier, M.D., Ph.D.
Bansal Saygi, M.D.
Steffen Schroeter, M.D.
Aaron T. Scott, M.D. †
Khemarin Seng, M.D.
Chris Servant, F.R.C.S.
Andrew Sheean, M.D. †
David W. Shenton, M.D. †
Orrin Sherman, M.D.
Seth L. Sherman, M.D. †
Sarah Shubert, M.D.
Theodore Shybut, M.D.
Mark Siegel, M.D. †
Jason E. Simon, M.D.
Adam M. Smith, M.D.
Jennifer Smith, M.D.
Robert J. Smolinski, M.D.
Mohamed Sobhy, M.D. †
Kyle R. Sohaciak, M.D.
Daniel J. Solomon, M.D. †
Hyun Seok Song, M.D., Ph.D.
Megan Marie Sorich, D.O.
Ulrich Spiegl, M.D.
Patrick St. Pierre, M.D.
Anders Stålman, M.D.,Ph.D.
Robert Stafp, M.D., F.R.C.S.
Christian Stärke, M.D.
Wei-Ren Su, M.D., M.Sc.
Alasdair Sutherland, M.B.Ch.B., M.D.Hons, F.R.C.S.Ed.(T&O), F.R.A.C.S.(Orth)
Josh Szabo, M.D.
Masao Takao, M.D., Ph.D.
Sam A. Taylor, M.D.
Kathi Thiele, M.D.
Dimitri Thomas, M.D.
Lisa M. Tibor, M.D.
Thomas Tischler, M.D.
Harukazu Tohyama, M.D., Ph.D. †
John M. Tokish, M.D.
Steven Tradonsky, M.D. †
Hans Tropp, Ph.D.
Jeremy Trunzter, M.D.
Alexander Tsarouhas, M.D.
Alexandros Tziveas, M.D., M.Sc., Ph.D.
Christopher Ugggen, M.D. †
Andrew J. Unwin, B.Sc., F.R.C.S.(Orth)
Jelle P. van der List, M.D. †
Alexander Robertson Vap, M.D.
Nikhil N. Verma, M.D.* †
Bryan G. Vopat, M.D.
Bernhard M. Waibl, M.D.
William Robert Walsh, B.A.Biol, B.A.Chem, Ph.D.
Joon Ho Wang, M.D., Ph. D.
Dean Wang, M.D.
Brian R. Waterman, M.D. †
Jonathan Watson, M.D.
Alexander Evan Weber, M.D.
Stephen C. Weber, M.D.
William M. Weiss, M.D., M.Sc.
Geoffrey Wilkin, M.D., F.R.C.S.C.
Adam Wilson, M.D.
Trent J. Wilson, M.D.
Shane Woolf, M.D.
Thomas H. Wuerz, M.D., M.Sc.
James Derek Wylie, M.D., MHS
Jae Chul Yoo, M.D., Ph.D.* †
David Thomas Yucha, M.D.
Michael Anthony Zacchilli, M.D.
Jinzhong Zhao, M.D.

† 2017 Editorial Board Member
*Associate Editor Emeritus
Call for papers

Arthroscopy Techniques, a companion to Arthroscopy, is an online-only, video-based journal designed to introduce peer-reviewed surgical modifications and techniques in an interactive format.

Arthroscopy Techniques articles are Open Access and are cited in PubMed Central.

At Arthroscopy Techniques, we evaluate submissions of Technical Notes – including precise text, clear figures, and detailed videos – in an average of 30 days or less.

Submit your technique today! https://ees.elsevier.com/arth

www.arthroscopytechniques.org
3D Systems
5381 S Alkire Cir
Littleton, CO 80127

3D Systems is a pioneer for healthcare solutions that improve outcomes which benefit both patients and surgeons. Our global team works with customers to help navigate technologies and provide support for surgical planning, training, device design, personalized medical technologies and 3D printing. We are dedicated to helping medical professionals train for, plan and practice complex medical procedures.

Aesculap Biologics, LLC, was established in January 2012 as a division of Aesculap, Inc. and is focused on biological approaches to the repair and regeneration of diseased or damaged tissues. Using a combination of cells, growth factors and smart biomaterial devices, Aesculap Biologics products can stimulate and support the synthesis of new tissue and enhance the body’s own regenerative power to improve the quality of patients lives.

American Board of Orthopaedic Surgery
400 Silver Cedar Court
Chapel Hill, NC 27541

Stop by the American Board of Orthopaedic Surgery (ABOS) booth to talk to Certification Specialists about your Maintenance of Certification (MOC) status and learn about changes to the MOC program. Candidates for Board Certification can learn how to become Board Certified.

Arthrex, Inc.
1370 Creekside Blvd
Naples, FL 34108

As an innovation leader in sports medicine and less invasive orthopaedics, Arthrex highlights the latest, cutting edge technology and advancements in orthobiologics, arthroscopic surgery, tram, distal extremities and next generation arthroplasty. Experience Arthrex at its best in its mission of helping surgeons treat their patients better.

Aryse
1801 N. 1st Street Suite 2
Lincoln, NE 68508

We are ARYSE, an emerging orthopedic and sports bracing provider who believes in creating revolutionary products that disrupt industry standards. Through preventing and reducing life-limiting injuries, our products will elevate your life and change the way you view bracing forever.

B.Braun Medical
824 12th Avenue
Bethlehem, PA 18018

Breg provides high quality bracing and cold therapy products as well as Business Solutions, a suite of software tools and consulting programs, that help practices reduce costs and improve outcomes along the patient “hurt to healthy” orthopedic journey.

Cannuflow
489 Division Street
Campbell, CA 95008

Cannuflow products deliver innovative solutions to chronic arthroscopic fluid-management problems of visibility, flow, and extravasation. Designed to enhance procedure safety and efficiency, our ClearVu®, TwoVu™, and Extravastat™ devices easily integrate into surgeons’ existing techniques.

Ceterix Orthopaedics
6500 Kaiser Drive, Suite 120
Fremont, CA 94555

Ceterix Orthopaedics is singularly focused on meniscal preservation and is dedicated to providing patients the opportunity to maintain the natural health and stability of their knee. The company develops tools that help surgeons repair many of the tears that currently remain untreated or are treated by meniscectomy (meniscus removal), a procedure associated with increased risk of arthritis or total knee replacement later in life.
Now is the time to Get to Know CONMED and see how we are advancing patient outcomes. Whether it’s the world’s first self-punching all-suture anchor, allograft tissue from the nation’s leading tissue bank, dependable Hall® Powered Instruments, or the industry’s first autoclavable camera, CONMED continues to build our orthopaedic portfolio and 50 year reputation of delivering real solutions to our surgeons, HCPs and the patients they treat. Visit Booth 209 and Get to Know CONMED.

DePuy Synthes Mitek Sports Medicine is a global leader in orthopaedic sports medicine devices and products used in the treatment of traumatic and degenerative soft tissue pathologies and joint injuries related to sports and physical activity. The company’s portfolio includes non-surgical and minimally invasive therapies to help patients move beyond joint injuries and pain.

DJO is a leading global medical device company providing solutions for musculoskeletal and vascular health, and pain management. The Company’s products help patients prevent injuries or rehabilitate after surgery, injury or degenerative disease. DJO’s brands include Aircast®, DonJoy®, ProCare®, CMF™, Saunders®, Chattanooga Group®, DJO Surgical, Cefar®-Compex® and Ormed®. Visit www.DJOglobal.com.

Elsevier is a world-leading provider of information solutions that enhance the performance of science, health, and technology professionals, empowering them to make better decisions, and deliver better care.

enlightenVue is a development stage company creating unique micro-endoscope portfolio that includes a single-use, flexible, 2mm outer diameter micro-endoscope that incorporates multiple working and rinsing channels with high definition camera and LED illumination quality. This micro-endoscope incorporates a patent design allowing instruments to pass through the device for both diagnostic and interventional procedures. The image processing module is compatible with all PC’s and monitors.

NeoCart® is an investigational autologous cartilage tissue implant, which treats focal chondral and/or trochlear defects of the knee, utilizing proprietary regenerative medicine technology. Histogenics sponsored the Phase 3 clinical trial, which intends to determine if NeoCart® may potentially result in durable, long-lasting patient response as compared to microfracture.
Exhibitor Directory

**317** LifeNet Health
1864 Concert Drive
Virginia Beach, VA 23453

For over 30 years, LifeNet Health has been the world’s most trusted provider of transplant solutions, from organ procurement to new innovations in bio-implant technologies and cellular therapies—a leader in the field of regenerative medicine, while always honoring the donors and healthcare professionals that allow the healing process.

**412** Lipogems
1880 Beaver Ridge Circle
Norcross, GA 30071

LIPOGEMS® is a cutting-edge technology that gently microfragments the patient’s adipose tissue to achieve a minimally manipulated and naturally structural product that preserves the cell and tissue microarchitecture. The FDA-cleared LIPOGEMS® device removes inflammatory agents and resizes the tissue for injection in orthopaedics and arthroscopic surgery. LIPOGEMS® is intended for the support and repair of damaged or injured tissue for office applications or as an adjunct in a surgical setting.

**605** MiMedx Group, Inc
1775 West Oak Commons Ct
Marietta, GA 30062

MiMedx is the global premier processor & distributor of human amniotic tissue. MiMedx has distributed over 800,000 amniotic tissue grafts worldwide in multiple therapeutic areas including ophthalmology, spine, chronic wounds, dental, orthopedic surgery, sports medicine, & urology. With our groundbreaking human tissue offering that promotes bioactive healing, MiMedx believes our knowledge & processing of amniotic tissue strategically positions MiMedx to be the leader in regenerative medicine.

**315** Modernizing Medicine
3600 FAU Blvd, Suite 202
Boca Raton, FL 33431

**609** NCS Company
Via Pola Esterna 4/12
Carpi, Modena 41012 609

**418** ON Foundation
Kapellplatz 1
Lucerne 6004

**501** Organogenesis Surgical & Sports Medicine
2641 Rocky Ridge Lane
Birmingham, AL 35216

Organogenesis Surgical & Sports Medicine offers a portfolio of bioactive and acellular biomaterials products in advanced wound care and surgical biologics, including orthopedics and spine. Organogenesis’s versatile portfolio is designed to treat a variety of patients with repair and regenerative needs.

**217** OrthoLive
201 E 5th, Ste 1900
Cincinnati, OH 45202

OrthoLive makes Telehealth simple, convenient and secure - providing orthopedic groups, team physicians, and physical therapists with an ortho-specific telemedicine platform. Improve efficiency. Drive new visits. Increase revenue with our HIPAA-compliant asynchronous and synchronous telemedicine solution. OrthoLive functions via a phone-App or web-based secure connection using the lowest bandwidth available.

**413** Parcus Medical LLC
6423 Parkland Drive
Sarasota, FL 34243

Parcus Medical™ manufactures and distributes implants and instrumentation for soft tissue repair and ligament/tendon fixation. Parcus™ pioneered the use of PEEK CF for sports medicine implants and continues to expand its product line for both open and arthroscopic procedures. Decades of experience in design, manufacturing, and packaging enable us to create comprehensive, minimally invasive solutions from the shoulder to foot. At Parcus™, Surgical Innovation is Customer Driven.

**508** Regenacell Therapy, Inc
2328 Saddleback Drive
Castle Rock, CO 80104

Autologous Cellular Technologies & Therapeutics Providing Resources and Products Nationwide to expand the use of Autologous Cellular Biologics.
SAGE
2455 Teller Road
Thousand Oaks, CA 91320
Sara Miller McCune founded SAGE Publishing in 1965 to support the dissemination of usable knowledge and educate a global community. SAGE publishes journals, books, and library products spanning a range of subject areas. SAGE remains majority-owned by our founder, who has ensured that the company will remain permanently independent. www.sagepublishing.com

SawBones/Pacific Research
PO Box 409
10221 SW 188th
Vashon, WA 98070
SAWBONES inspires confidence through practice by creating the world’s best medical procedure simulation models. We collaborate with our customers to invent, design and manufacture bone and soft-tissue models.

Sloan Medical
13316 A Street
Omaha, NA 68144

Smith & Nephew, Inc
150 Minuteman Rd
Andover, MA 01810
Smith & Nephew supports healthcare professionals in their daily efforts to improve the lives of their patients. We do this by taking a pioneering approach to the design of our advanced medical products and services, by securing wider access to our diverse technologies for more customers globally. Smith & Nephew offers product franchises including: Shoulder, Knee and Hip Implants, Joint Repair and Reconstruction, Arthroscopy Enabling Technologies, Trauma and Extremities and Advanced Wound Care.

SocialClime
901 Mopac Expressway South
Austin, TX 78746

Stryker
5670 Greenwood Plaza Blvd
Suite 200
Greenwood Village, CO 80111
Stryker is one of the world’s leading medical technology companies and, together with our customers, we are driven to make healthcare better. The Company offers a diverse array of innovative products and services in Orthopaedics, Medical and Surgical, and Neurotechnology and Spine that help improve patient and hospital outcomes. Stryker is active in over 100 countries around the world. Please contact us for more information at www.stryker.com.

Top Shelf Orthopedics
1851 E. Paradise Rd, Ste A
Tracy, CA 95304
Top Shelf Orthopedics was created to provide a forum for physicians to offer input on brace and product designs to achieve better patient outcomes.

Trice Medical
1000 Continental Drive
King of Prussia, PA 19406

TRX Orthopedics, Inc
2611 North Loop
1604 West
San Antonio, TX 78258
TRX Orthopedics is a pioneering medical technology company, leading the development of regenerative products using biologic materials. The company’s patented decellularization (dCELL®) technology removes DNA and other cellular material from tissue, leaving an acellular scaffold which does not elicit an immune response. The potential applications of dCELL® address unmet clinical needs in many sports med and orthopedic indications.

UBS Financial
1 Tower Lane, Suite 1700
Oakbrook Terrace, IL 60181
For more than 30 years, The Tate Group has helped physicians, healthcare executives and entrepreneurs maintain comfortable cash flow, create liquidity and preserve and pass on their wealth. We’ve helped corporate leaders establish employee benefits plans and helped others take their companies public. Today, we continue to stay one step ahead of this dynamic industry to ensure we can deliver the competitive and comprehensive financial solutions you need.
Vericel Corporation
64 Sidney Street
Cambridge, MA 02139

Vericel develops, manufactures, and markets autologous cell-based therapies for patients with serious diseases and conditions. MACI® (autologous cultured chondrocytes on porcine collagen membrane) is a third generation autologous cellularized scaffold product that is indicated for the repair of single or multiple symptomatic, full-thickness cartilage defects of the adult knee, with or without bone involvement.

VirtaMed
16144 Churchview Drive
Unit 210
Lithia, FL 33547

VirtaMed is the world leader in high-fidelity virtual reality simulators for instructional training of minimally invasive diagnostic and therapeutic interventions in orthopedics, urology, and women’s health. VirtaMed also creates customized simulators for medical associations and medical device companies using original instruments and rubber models for realistic feedback.

Wolters Kluwer
1578 Fordham Street
Bolingbrook, IL 60490

Wolters Kluwer Health company is a publisher of medical books and journals. Visit our booth to browse to see our comprehensive product line including these new titles- Burkhart’s Advanced Cases in Shoulder Arthroscopy and Ferkel’s Foot & Ankle Arthroscopy.

Zero Gravity Skin
940 Lincoln Rd #307
Miami Beach, FL 33139

Zimmer Biomet
Zimmer Biomet
Warsaw, IN 46580

Founded in 1927 and headquartered in Warsaw, Indiana, Zimmer Biomet is a global leader in musculoskeletal healthcare. We design, manufacture and market orthopaedic reconstructive products; sports medicine, biologics, extremities reconstructive products; spine, bone healing, craniomaxillofacial and thoracic products; dental implants; and related surgical products.
Introducing the...
SLiK™ Fixation Platform
Simplified insertion technique
One-handed operation
Available in PEEK CF & PEEK

SLiK
Screw-in knotless fixation
4.75, 5.5 and 6.25mm

SLiK Fix
Biceps tenodesis
7, 8 and 9mm

Large suture guide accommodates multiple suture configurations

Trocar tip & tendon washer aid tendon placement

Visit us at the AANA Annual Meeting 2018 - Booth 413

Surgical Innovation | Customer Driven
AANA18 Corporate Sponsors

A special thank you to the following companies for their generous support of the 2018 AANA Annual Meeting:
Education Foundation Corporate Donors

On behalf of the AANA Education Foundation, we wish to thank the following corporate donors for investing in the future of arthroscopic education:

$200,000+

Arthrex, Inc.
DePuy Synthes/Mitke Sports Medicine
Smith & Nephew

$10,000 to $49,999

Bioventus
Breg
Centrix Orthopaedics
DJO Global
Parcus Medical
Trice Medical
Zimmer Biomet
Registration and General Information

ANNUAL MEETING SITE
All educational sessions, registration and the Exhibit Hall will be held at:
Sheraton Grand Chicago Hotel
301 E. North Water St.
Chicago, IL 60611
(312) 464-1000

CONTINENTAL BREAKFAST & COFFEE BREAKS
Continental breakfast and coffee breaks will be held in the Exhibit Hall located in the Sheraton Ballroom on Friday and Saturday.

CURRENCY
Meeting registration fees are in U.S. dollars (USD) and registration must be paid in U.S. dollars.

INSTRUCTIONAL COURSE LECTURES/ROUNDTABLE DISCUSSIONS
Attendance at an Instructional Course Lecture (ICL) is by ticket only. The ICL fee is $100 USD per course on-site. Please see pages 32-39 for more information.

PHOTOGRAPHY/VIDEOGRAPHY
Registration and attendance at, or participation in, AANA18 and other activities constitutes an agreement by the registrant to AANA’s use and distribution (both now and in the future) of the registrant or attendee’s image.

REFUND POLICY
No refunds will be allowed after April 6, 2018. Refunds will not be made for no-shows.
AANA is not responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the meeting. Cost incurred by the registrant, such as airline or hotel fees or penalties are the responsibility of the registrant.

DISCLAIMER FOR ALL PROGRAMS
The methods, techniques and procedures demonstrated, and views and opinions expressed by speakers, presenters and faculty are their own, and do not necessarily represent those of AANA, nor does presentation on the program represent or constitute endorsement or promotion by AANA.
AANA expressly disclaims any warranties or guaranties expressed or implied and shall not be liable for damages of any kind in connection with the materials, methods, information, techniques, opinions or procedures expressed, presented or demonstrated.

EXHIBITS
Sheraton Grand Chicago – Sheraton Ballroom
To complement the education sessions, a variety of technical exhibits will be on display throughout the meeting:
   - Thursday, April 26 – 7:00 – 8:30 p.m.
   - Friday, April 27 – 6:30 a.m. – 2:00 p.m.
   - Saturday, April 28 – 6:30 – 10:00 a.m.

FDA STATEMENT
Some drug and medical devices demonstrated at the 2018 AANA Annual Meeting have not been cleared by the FDA or have been cleared by the FDA for specific purposes only. The FDA has stated that it is the responsibility of the physician to determine the FDA clearance status of each drug or medical device he or she wishes to use in clinical practice.
AANA’s policy provides that off label use of a drug or medical device may be described in the AANA CME activity so long as the off-label use of the drug or medical device is also specifically disclosed (i.e., it must be disclosed that the FDA has not cleared the drug or medical device for the described purpose). Any drug or medical device being used as off-label of described drug use is not set forth on the product’s approval label.

CELL PHONES
Cell phones are a necessity to a physician, but a ringing phone or beeper during an educational session is distracting to the audience and speakers. Please place your cell phone on vibrate as a courtesy to others. When talking or making a call, please step outside of the meeting room. Thank you.

QUESTIONS
Contact the AANA office at (847) 292-2262 if you need assistance.
Ceterix® Orthopaedics is singularly focused on meniscal preservation. The company develops tools that help surgeons repair many of the tears that currently remain untreated or are treated by menisectomy.

The Ceterix NovoStitch® Plus Meniscal Repair System provides surgeons with the unique ability to repair horizontal, radial, root and other complex tears.

650-241-1748 | info@ceterix.com | www.ceterix.com
In accordance with the standards of the Accreditation Council for Continuing Medical Education (ACME), it is the policy of the Arthroscopy Association of North America that presenters and planners disclose to the audience any commercial relationships related to the content of their presentation(s).
1 Indicates Planner
2 Indicates Faculty and Planner.

3Jeffrey S Abrams, MD: Submitted on: 10/07/2017 Arthrocare: Stock or stock Options, Arthroscopy: Editorial or governing board, Arthroscopy Association of North America: Board or committee member, Cayenne Medical: Stock or stock Options, ConMed Linvatec: Paid consultant, Ingem Medical: Stock or stock Options; Unpaid consultant, Journal of Shoulder and Elbow Surgery: Editorial or governing board, KFx Medical: Stock or stock Options; Unpaid consultant, Mitel: Paid consultant, Orthopaedic Research and Education Foundation: Board or committee member, Rotation Medical: Paid consultant; Stock or stock Options, SLACK: Publishing royalties, financial or material support, Smith & Nephew: Paid consultant


3Ahmad Badri, DO (This individual reported nothing to disclose); Submitted on: 11/19/2017

3Travis Bailey, MD (Salt Lake City, UT) (This individual reported nothing to disclose); Submitted on: 04/05/2018

3F Alan Barber, MD: Submitted on: 02/06/2018 Arthroscopy: Editorial or governing board, DePuy, A Johnson & Johnson Company: Research support, DePuy-Mitek: IP royalties; Paid presenter or speaker, Johnson & Johnson: Stock or stock Options, Mitek: Paid consultant, Sports Medicine and Arthroscopy Review editorial board: Editorial or governing board, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

3William R Beach, MD: Submitted on: 05/22/2017 AAOS: Board or committee member, Arthrex, Inc: IP royalties; Paid consultant; Research support, Arthroscopy: Editorial or governing board, Arthroscopy Association of North America: Board or committee member, DJ Orthopaedics: Research support, Linvatec: Research support, Mitek: Research support, Orthopedics Today: Editorial or governing board

3Andrew S Bernhardson, MD: (This individual reported nothing to disclose); Submitted on: 09/11/2017

3Jack M Bert, MD: Submitted on: 12/06/2017 AAOS: Board or committee member, Arthroscopy Association of North America: Board or committee member, Exscribe: Unpaid consultant, Luminus: Unpaid consultant, Orthopedic Practice Management Inc.: Unpaid consultant, Orthopedics Today: Editorial or governing board, Sanofi-Aventis: Paid presenter or speaker, Zimmer: Paid presenter or speaker

3Pier Francesco Bettinoli, MD: (This individual reported nothing to disclose); Submitted on: 04/02/2018

3Shariff K Bishai, DO: Submitted on: 03/14/2018 AAOS: Board or committee member, American Osteopathic Academy of Orthopedics: Board or committee member, Arthrex, Inc: Paid consultant; Paid presenter or speaker, Arthrosurface: Paid consultant; Paid presenter or speaker, Bard Davol: Paid consultant; Paid presenter or speaker, Ceterix: Paid consultant; Paid presenter or speaker, DePuy, A Johnson & Johnson Company: Paid consultant; Paid presenter or speaker, Smith & Nephew: Paid consultant; Paid presenter or speaker, Trice Medical: Paid consultant; Paid presenter or speaker, Zimmer: Paid consultant; Paid presenter or speaker

3Kevin F Bonner, MD: Submitted on: 02/25/2018 Arthroscopy Association of North America: Board or committee member, COVRA Medical: Stock or stock Options, DePuy, A Johnson & Johnson Company: Research support, Embody: Paid consultant; Stock or stock Options, LifeNet: Research support, Lifetech: Paid presenter or speaker, LifeNet Health: Paid consultant, Smith & Nephew: Paid consultant, Zimmer: IP royalties; Research support

3James P Bradley, MD: Submitted on: 05/31/2017 Arthrex, Inc: IP royalties

3Jefferson C. Brand (This individual reported nothing to disclose); Submitted on: 05/02/2018

3Don A Buford, MD: Submitted on: 02/02/2018 Ceiling Biosciences: Research support, Conmed Linvatec: Paid consultant, Empyre: Paid presenter or speaker, Interventional Orthopedic Foundation - Board: Board or committee member, Interventional Orthopedics Foundation: Paid presenter or speaker, Konica Minolta: Paid presenter or speaker, Medreels, Inc.: Paid presenter or speaker, Trice Medical: Unpaid consultant

3Stephen S Burkhart, MD: Submitted on: 10/18/2017 Arthrex, Inc: IP royalties; Paid consultant, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

3Joe P Burns, MD: Submitted on: 03/20/2018 Arthroscopy Association of North America: Board or committee member, CONMED Linvatec: Paid consultant, Mitek: Paid consultant, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

3J W Thomas Byrd, MD: Submitted on: 02/08/2018 A3 Surgical: Stock or stock Options; Unpaid consultant, American Orthopaedic Society for Sports Medicine: Board or committee member, Arthroscopy Association of North America: Board or committee member, International Society for Hip Arthroscopy: Board or committee member, Smith & Nephew: IP royalties; Paid consultant, Research support, Springer: Publishing royalties, financial or material support

3Paul E Caldwell, III MD: Submitted on: 10/07/2017 Acumed, LLC: Research support, Arthrex, Inc: Paid consultant; Paid presenter or speaker, Arthroscopy Association of North America: Board or committee member, DJ Orthopaedics: Research support, Linvatec: Research support, Mitek: Research support, Smith & Nephew: Research support, Society for Tennis Medicine and Science: Board or committee member

3Kirk A Campbell, MD: Submitted on: 10/23/2017 Arthroscopy Association of North America: Board or committee member, Flexion Therapeutics Inc.: Paid consultant
Disclosures

1. Robert Bruce Canham, MD: (This individual reported nothing to disclose); Submitted on: 12/14/2017
2. Susan Carlson, M.S.Ed.: (This individual reported nothing to disclose); Submitted on: 02/12/2018
3. Robert Anthony Christian, MD: (This individual reported nothing to disclose); Submitted on: 01/26/2018
4. John J Christoforetti, MD: Submitted on: 05/27/2017 Arthrex, Inc; IP royalties; Paid consultant; Paid presenter or speaker; Research support, Arthroscopy: Editorial or governing board, Breg: IP royalties; Paid consultant; Paid presenter or speaker, International Society for Hip Arthroscopy: Board or committee member
5. Jessica Churchill, BS: (This individual reported nothing to disclose); Submitted on: 06/01/2017
6. Michael C Cicotti, MD: (This individual reported nothing to disclose); Submitted on: 10/02/2017
8. William K Conaway: (This individual reported nothing to disclose); Submitted on: 05/03/2017
9. Frank A Cordasco, MD: Submitted on: 01/07/2018 American Shoulder and Elbow Surgeons: Board or committee member, Arthrex, Inc: IP royalties; Paid consultant, Journal of Shoulder and Elbow Surgery: Editorial or governing board, Saunders/Mosby-Elsevier: Publishing royalties, financial or material support, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support
12. Amos Dai, BS: (This individual reported nothing to disclose); Submitted on: 09/29/2017
14. Robert Dean, BS: (This individual reported nothing to disclose); Submitted on: 10/02/2017
15. Jean-Romain Delaloye, DMed: (This individual reported nothing to disclose); Submitted on: 02/06/2018
16. Aman Dhawan, MD: Submitted on: 10/20/2017 American Orthopaedic Society for Sports Medicine: Board or committee member, Arthroscopy Association of North America: Board or committee member, Arthroscopy, Orthopaedic Journal of Sports Medicine: Editorial or governing board, Biomet: Paid consultant; Paid presenter or speaker, Revoket: Research support, Smith & Nephew: Paid consultant; Paid presenter or speaker; Research support
17. Paolo Di Benedetto, MD (This individual reported nothing to disclose); Submitted on: 12/19/2017
18. Giovanni Di Giacomo, MD: Submitted on: 01/08/2018 Arthrex, Inc: IP royalties; Paid consultant; Paid presenter or speaker, International Society of Arthroscopy: Knee Surgery, and Orthopaedic Sports Medicine: Board or committee member Springer: Publishing royalties, financial or material support
19. Brian D Dierckman, MD: Submitted on: 02/28/2018 Arthrex, Inc: Paid consultant; Paid presenter or speaker, Mitek: Paid consultant; Paid presenter or speaker
20. Julie A Dodds, MD: Submitted on: 12/23/2017 Arthroscopy Association of North America Board of Directors: Board or committee member
21. Benjamin G. Domb, MD: Submitted on: 03/05/2018 AANA Learning Center Committee: Board or committee member, Adventist Hinsdale Hospital: Paid consultant, American Hip Institute: Board or committee member, Research support, Amplitude: Paid consultant, Arthrex, Inc: IP royalties; Paid consultant; Research support, Arthroscopy Journal: Board or committee member, DJO Global: IP royalties, Medacta: Paid consultant; Research support, Orthomerica: IP royalties, Pacira: Paid consultant; Research support, Stryker: Paid consultant; Research support
23. Peter Zhongxi Du, BS: (This individual reported nothing to disclose); Submitted on: 10/01/2017
25. Cory Edgar, MD, PhD: Submitted on: 03/11/2018 Mitek: Paid consultant; Paid presenter or speaker
26. Henry Bone Ellis Jr, MD: Submitted on: 01/24/2018 Allosource: Other financial or material support, Ossur: Other financial or material support, Pediatric Orthopaedic Society of North America: Board or committee member, Pediatric Research in Sports
Disclosures

~Medicine: Board or committee member, Smith & Nephew: Paid consultant, Varicel: Other financial or material support

~James C Esch, MD (Oceanside, CA): Submitted on: 10/18/2017
Arthroscopy Association of North America: Board or committee member, DJ Orthopaedics: Paid presenter or speaker, Smith & Nephew Endoscopy: Paid consultant, Paid presenter or speaker

~Joshua Everhart, MD: (This individual reported nothing to disclose); Submitted on: 11/08/2017

~Filippo Familiari, MD, MBBS: (This individual reported nothing to disclose); Submitted on: 06/01/2017

~Jack Farr II, MD: Submitted on: 10/17/2017

~Paul J Favorito, MD: Submitted on: 03/20/2018
Arthroscopy: Editorial or governing board, ArthroSurface: Paid consultant, Conventus: Paid consultant, DePuy, A Johnson & Johnson Company: Paid consultant, Paid presenter or speaker; Research support, Halyard Health: Paid consultant, Mitek: Paid consultant; Paid presenter or speaker, RTI Surgical: Paid consultant

~Michael D Feldman, MD: Submitted on: 12/01/2017
Arthroscopy: Editorial or governing board, Arthroscopy Association of North America: Board or committee member

~Richard D Ferkel, MD: Submitted on: 05/15/2017
Arthroscopy Association of North America: Board or committee member, Cannuflow: Paid consultant, Geistlich Pharma: Paid consultant, Smith & Nephew: IP royalties; Paid consultant, Wolters Kluwer Health - Lippincott Williams & Wilkins: Editorial or governing board; Publishing royalties, financial or material support

~Andrea Ferretti, MD: Submitted on: 05/26/2017
Aesculap/B. Braun: Other financial or material support, Arthritis, Inc: Paid consultant, DePuy, A Johnson & Johnson Company: Other financial or material support, Journal of Orthopaedics and Traumatology: Editorial or governing board, Stryker: Other financial or material support, TTK Healthcare, Chennai, India: Paid consultant, Zimmer: Other financial or material support

~Larry D Field, MD: Submitted on: 11/15/2017
AAOS: Board or committee member, American Orthopaedic Society for Sports Medicine: Board or committee member, American Shoulder and Elbow Surgeons: Board or committee member, Arthritis, Inc: Research support, Arthroscopy Association of North America: Board or committee member, Churchhill Livingstone: Publishing royalties, financial or material support, Hospital: Editorial or governing board, Journal of Shoulder and Elbow Surgery: Editorial or governing board, Mitek: Paid consultant; Research support, Saunders/Mosby-Elsevier: Publishing royalties, financial or material support, Smith & Nephew: Paid consultant; Paid presenter or speaker, Research support, Sports Medicine and Arthroscopy Review: Editorial or governing board, Techniques in Shoulder and Elbow Surgery: Editorial or governing board, Thieme: Publishing royalties, financial or material support, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

~Brian Forsythe, MD: Submitted on: 05/05/2017
Arthritis, Inc: Research support, ArthroSurface: Paid presenter or speaker, Jace Medical: Stock or stock options, Smith & Nephew: Research support, Sonoma: Paid consultant; Paid presenter or speaker, Stryker: Research support

~Salvatore Joseph Frangiamore, MD, MS: (This individual reported nothing to disclose); Submitted on: 09/08/2017

~Rachel M Frank, MD: (This individual reported nothing to disclose); Submitted on: 01/04/2018

~Michael Thomas Freehill, MD: Submitted on: 03/13/2018
AAOS: Board or committee member, American Orthopaedic Society for Sports Medicine: Board or committee member, American Shoulder and Elbow Surgeons: Board or committee member, Arthroscopy Association of North America: Board or committee member, International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine: Board or committee member, Regeneration Technologies, Inc.: Research support, Smith & Nephew: Paid consultant; Research support

~John P Fulkerson, MD: Submitted on: 12/18/2017
DJ Orthopaedics: IP royalties; Unpaid consultant, None: Stock or stock options, patellofemoral foundation: Board or committee member, Wolters Kluwer Health - Lippincott Williams & Wilkins, DJOrtho: Publishing royalties, financial or material support

~Tadano Funakoshi, MD: (This individual reported nothing to disclose); Submitted on: 10/08/2017

~Andrew Gregory Geeslin, MD (Kalamazoo, MI): Submitted on: 10/06/2017
Arthroscopy: Editorial or governing board

~Wayne K Gersoff, MD: Submitted on: 02/12/2018
Active Implants, LLC: Paid presenter or speaker, Genzyme: Paid presenter or speaker, Regeneration Technologies, Inc.: Paid presenter or speaker

~Enrico Gervasi, MD: Submitted on: 02/03/2018
LIMA: IP royalties, ORTHO-SPACE LTD: Paid presenter or speaker

~Mark H Getelman, MD: Submitted on: 01/08/2018
Arthroscopy Association of North America: Board or committee member, Histogenics: Research support, Mitek: Paid consultant; Paid presenter or speaker, Research support, Rotation Medical: Research support, Smith & Nephew: Paid consultant; Paid presenter or speaker, VuMedi: Stock or stock options, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

~Ron Gilat, MD: (This individual reported nothing to disclose); Submitted on: 03/22/2018

~Luca D. Giudici, MD: (This individual reported nothing to disclose); Submitted on: 02/26/2018

~Alberto Gobbi, MD: Submitted on: 06/22/2017
Anika Therapeutics USA: Research support, International Cartilage Repair Society: Board or committee member, International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine: Board or committee member

~Luca Godente, MD: (This individual reported nothing to disclose); Submitted on: 03/26/2018

~Jonathan Alexander Godin, MD: (This individual reported nothing to disclose); Submitted on: 01/25/2018
Disclosures

Thomas F Golden, MD: Submitted on: 04/01/2018
Arthroscopy Association of North America: Board or committee member

Carlos Guanche, MD: Submitted on: 10/06/2017
Allen Medical: Other financial or material support, Arthrex, Inc; IP royalties; Paid consultant; Paid presenter or speaker, Arthroscopy: Editorial or governing board, Arthroscopy Association of North America: Board or committee member, Arthrosurface: Stock or stock Options, Journal of Bone and Joint Surgery - American: Editorial or governing board, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Robert U Hartzler, MD, MS: Submitted on: 01/28/2018
Arthrex, Inc; Paid consultant; Paid presenter or speaker, Arthroscopy Association of North America: Board or committee member, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Frank Henn III, MD: (This individual reported nothing to disclose); Submitted on: 07/03/2017

Joel Huleatt, MD: (This individual reported nothing to disclose); Submitted on: 10/01/2017

Robert E Hunter, MD: Submitted on: 04/01/2016
Arthrex, Inc; Other financial or material support, Arthroscopy: Editorial or governing board, Arthroscopy Association of North America: Board or committee member, Biomet: IP royalties; Paid consultant; Research support, DJ Orthopaedics: Other financial or material support, Smith & Nephew: Other financial or material support, Paid consultant; Paid presenter or speaker; Research support

Victor M, Ilizaiturri, MD: (This individual reported nothing to disclose); Submitted on: 01/25/2018

Laith M Jazrawi, MD: Submitted on: 12/21/2017
Arthrex, Inc; Research support, Ferring Pharmaceuticals: Paid consultant, Mitek: Research support, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Toufic Raja Jildeh, MD: (This individual reported nothing to disclose); Submitted on: 01/22/2018

Thomas Kappe, MD: (This individual reported nothing to disclose); Submitted on: 03/29/2018

Ronald P Karzel, MD: Submitted on: 03/20/2018
Arthroscopy Association of North America: Board or committee member, MicroAire Surgical Instruments LLC: Paid consultant, Mitek; Other financial or material support; Paid consultant, Ossur: Other financial or material support, Smith & Nephew: Other financial or material support, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Bryan T Kelly, MD: Submitted on: 10/06/2017
Arthrex, Inc; Paid consultant

John D Kelly IV, MD: Submitted on: 12/18/2017
AAOS: Board or committee member, American Orthopaedic Society for Sports Medicine: Board or committee member, Arthroscopy: Editorial or governing board, Arthroscopy Association of North America: Board or committee member, Eastern Ortho: Board or committee member, Orthopedics: Editorial or governing board, Orthopedics Today: Editorial or governing board, SLACK Incorporated: Publishing royalties, financial or material support, Springer: Publishing royalties, financial or material support

Raymond Kenney, MD: (This individual reported nothing to disclose); Submitted on: 10/06/2017

Walter Kim, MD: (This individual reported nothing to disclose); Submitted on: 01/28/2018

Michael John Kissenberth, MD: Submitted on: 05/02/2017
Arthrex, Inc; Other financial or material support; Paid consultant, Arthocare: Other financial or material support, Arthrosurface: Other financial or material support, Breg: Other financial or material support, DJ Orthopaedics: Other financial or material support, Greenville Hospital System: Other financial or material support, Neurotech: Other financial or material support, Pacira: Other financial or material support, Smith & Nephew: Other financial or material support, The Hawkins Foundation: Board or committee member

Matthew J Kraeutler, MD: (This individual reported nothing to disclose); Submitted on: 09/25/2017

Benjamin Kuhns, MD: (This individual reported nothing to disclose); Submitted on: 01/31/2018

Jennifer Kurowski, MD: (This individual reported nothing to disclose); Submitted on: 03/15/2018

Peter R Kurzweil, MD: Submitted on: 10/09/2017
Ceterix: Paid consultant, Research support, NuSurface: Research support, Orteq: Unpaid consultant, Parcus Medical: Stock or stock Options, Pierce Surgical: Unpaid consultant, Sports Medicine and Arthroscopy Review: Editorial or governing board

Carlos A Leal, Prof: Submitted on: 02/01/2018
International Society for Medical Shockwave Treatments ISMST: Board or committee member, International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine: Board or committee member

Julia Lee, MD: (This individual reported nothing to disclose); Submitted on: 09/26/2017

Martin Leland III, MD: Submitted on: 01/15/2018
Arthroscopy: Editorial or governing board, Arthroscopy Association of North America: Board or committee member, CONMED Linvatec: Paid consultant

Mark J Lemos, MD: Submitted on: 01/12/2018
Arthroscopy: Editorial or governing board, NHMI: Board or committee member, Smith & Nephew: Paid consultant

Albert Lin, MD: Submitted on: 03/04/2018

Ian Lo, MD: Submitted on: 10/15/2017
American Shoulder and Elbow Surgeons: Board or committee member, Arthrex, Inc; IP royalties, Arthroscopy Association of North America: Board or committee member, CONMED Linvatec: Other financial or material support, Smith & Nephew: IP royalties; Other financial or material support, Paid consultant; Paid presenter or speaker; Research support, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Joseph Longo, MD: (This individual reported nothing to disclose); Submitted on: 10/21/2017

James H Lubowitz, MD: Submitted on: 03/28/2018
Arthroscopy: Editorial or governing board, Arthroscopy (AANA): Publishing royalties, financial or material support

Tun Hing Lui: (This individual reported nothing to disclose); Submitted on: 03/27/2018

Travis G Maak, MD: Submitted on: 05/19/2017
American Orthopaedic Society for Sports Medicine: Board or committee member, Arthrex, Inc; Paid presenter or speaker

Matthew J Matava, MD: Submitted on: 10/07/2017
Arthrex, Inc; Other financial or material support, Breg: Other financial or material support, Schwartz Biomedical: Paid consultant, Southern Orthopaedic Association: Board or committee member
Disclosures

1Richard C Mather, III MD: Submitted on: 05/30/2017
Arthroscopy Association of North America: Board or committee member, KNG Health Consulting: Paid consultant, North Carolina Orthopaedic Association: Board or committee member, Stryker: Paid consultant, Zimmer: Research support

2Dean K Matsuda, MD: Submitted on: 05/04/2017
AAOS: Board or committee member, Arthrocare: IP royalties, Biomet: IP royalties; Paid consultant, Orthopedics Overseas: Board or committee member, Orthopedics Today: Editorial or governing board, Smith & Nephew: IP royalties; Paid consultant, Zimmer: IP royalties; Paid consultant

3Leslie S Matthews, MD, MBA: Submitted on: 04/13/2014
Arthroscopy Association of North America: Board or committee member, Journal of Arthroscopy and Related Research: Editorial or governing board, Parcus MedicalZiZine MedicalRotation Medical: Paid consultant, Parcus MedicalZiZine MedicalRotation MedicalMIS Solutions: Stock or stock Options, Rotation Medical: Publishing royalties, financial or material support

4Elizabeth G Matzkin, MD: Submitted on: 10/03/2017
AAOS: Board or committee member, American Orthopaedic Society for Sports Medicine: Board or committee member, Arthroscopy: Editorial or governing board, Arthroscopy Association of North America: Board or committee member, DePuy, A Johnson & Johnson Company: Paid consultant, research support, Zimmer: Research support

5Stephanie Watson Mayer, MD: Submitted on: 05/28/2017
Arthrex, Inc: Paid consultant

6Louis F McIntyre, MD: Submitted on: 09/25/2017
AAOS: Board or committee member, Active Implants: Paid consultant, Advocacy for Improvement in Mobility: Board or committee member, Arthroscopy Association of North America: Board or committee member, Ceterix: Paid consultant, Delegate Medical Society of the State of New York: Board or committee member, Orthopedic Practice Management, Inc.: Board or committee member, Orthopedics Today: Editorial or governing board, Rotational Medical: Paid consultant; Paid presenter or speaker; Research support, Trice Medical: Paid consultant, Westchester County Medical Society: Board or committee member

7Giuseppe Milano, MD: Submitted on: 04/06/2018
Arthrex, Inc: Paid consultant; Research support, Arthroscopy: Editorial or governing board; Publishing royalties, financial or material support, European Society Sport traumatology, Knee surgery, and Arthroscopy (ESSKA): Board or committee member, Springer: Publishing royalties, financial or material support

8Anthony Miniaci, MD, FRSCC: Submitted on: 02/15/2018
American Orthopaedic Society for Sports Medicine: Board or committee member, American Shoulder and Elbow Surgeons: Board or committee member, Arthroscopy Association of North America: Board or committee member, ArthroSurfacing-Zimmer: IP royalties, DePuy, A Johnson & Johnson Company: Stock or stock Options, International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine: Board or committee member, Medtronic: Stock or stock Options, Stryker: Other financial or material support; Stock or stock Options, Trice: Paid consultant; Stock or stock Options, Wolters Kluwer Health - Lippincott Williams & Wilkins: Editorial or governing board, Publishing royalties, financial or material support, Zimmer: Stock or stock Options

9Raffy Mirzayan, MD: Submitted on: 01/25/2018
Alignmed: Stock or stock Options, American Journal of Orthopedics: Editorial or governing board, Arthrex, Inc: Paid presenter or speaker; Research support, Joint Restoration Foundation: Research support, Springer: Publishing royalties, financial or material support, Thieme: Publishing royalties, financial or material support, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

10Craig D Morgan, MD: Submitted on: 05/10/2017
Arthrex, Inc: Paid consultant; Research support; Stock or stock Options

11Mary Kathryn Mulcahey, MD: Submitted on: 03/19/2018
AAOS: Board or committee member, American Orthopaedic Society for Sports Medicine: Board or committee member, Arthroscopy Association of North America: Board or committee member, Ruth Jackson Orthopaedic Society: Board or committee member

12Volker Musahl, MD: Submitted on: 05/16/2017
American Orthopaedic Society for Sports Medicine: Board or committee member, Couter: Research support, Department of Defense: Research support, International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine: Board or committee member, Kneeguery, Sports Traumatology, Arthroscopy: Editorial or governing board, Smith & Nephew: Paid consultant

13Jonathan J Myer, MD: Submitted on: 11/03/2017
Arthroscopy Association of North America: Board or committee member, BioMárin, Ultragenyx, Pacira, Regeneron: Stock or stock Options

14Christopher Nacca, MD: (This individual reported nothing to disclose): Submitted on: 10/22/2016

15Nischal S Nadig, DO: (This individual reported nothing to disclose): Submitted on: 10/10/2017

16Jeffrey J Nepple, MD: Submitted on: 10/02/2017
Arthroscopy: Editorial or governing board, Ceterix Orthopaedics: Paid consultant; Paid presenter or speaker, Pediatric Research in Sports Medicine Society: Board or committee member, Responsive Arthroscopy: Paid consultant, Smith & Nephew: Paid consultant; Paid presenter or speaker, Research support, Zimmer: Research support

17Shane Jay Nho, MD: Submitted on: 10/09/2017
Allosource: Research support, American Journal of Orthopedics: Editorial or governing board, American Orthopaedic Society for Sports Medicine: Board or committee member, Arthrex, Inc: Research support, Arthroscopy Association of North America: Board or committee member, Athleticose: Research support, DJ Orthopaedics: Research support; Springer: Publishing royalties, financial or material support, Styrkex: Paid consultant; Research support

18Gregg T Nicandi, MD: (This individual reported nothing to disclose): Submitted on: 02/18/2018

19Thomas John Noonan, MD: Submitted on: 10/06/2017
Histogenics: Research support, Journal of Shoulder and Elbow Surgery: Editorial or governing board, Stryker: Paid consultant

20Keith D Nord, MD: Submitted on: 03/09/2018
Arthrex, Inc: IP royalties, Arthroscopy Association of North America: Board or committee member, Breg: Stock or stock Options, DynaMed: Paid consultant, Zimmer: Paid presenter or speaker

21Frank R Noyes, MD: Submitted on: 05/17/2017
Arthrex, Inc: Other financial or material support; Paid consultant, DePuy, A Johnson & Johnson Company: Other financial or material support, DJ Orthopaedics: Other financial or material support, Editorial Board: Sports Health: A Multidisciplinary Approach: Editorial or governing board, Mitek: Other financial or material support, Saunders/Mosby-Elsevier, Hillcrest Media: Publishing royalties, financial or material support, Smith & Nephew, Arthrex: IP royalties, Stryker: Research support; Synthes: Research support

22Benedict U Nwachukwu, MD, MBA: (This individual reported nothing to disclose): Submitted on: 10/06/2017
1. Michael J O’Brien, MD: Submitted on: 01/30/2018
   Arthroscopy Association of North America: Board or committee member, Association of American Medical Colleges: Board or committee member, DePuy, A Johnson & Johnson Company: Other financial or material support; Paid consultant; Research support, Mitek: Other financial or material support; Paid consultant; Research support, Smith & Nephew: Other financial or material support, Paid consultant, Stryker: Paid consultant

2. Gabriella Ode, MD: (This individual reported nothing to disclose); Submitted on: 02/20/2018

3. Kelechi Okoroha, MD: (This individual reported nothing to disclose); Submitted on: 10/10/2017

4. Ravi Patel, MD: (This individual reported nothing to disclose); Submitted on: 03/04/2018

5. Nicholas Peters, MD: (This individual reported nothing to disclose); Submitted on: 10/09/2017

6. Marc J Philippin, MD: Submitted on: 01/17/2018
   Arthrosurface: IP royalties, Arthrosurface, MIS, MIP Innovations, LLC, Vail Valley Surgery Center: Stock or stock Options, ASIAM: Board or committee member, Bledsoe: IP royalties, CONMED Linvatec: IP royalties, DonJoy: IP royalties, International Society for Hip Arthroscopy, AOSSM, Steadman Philippon Research Institute: Board or committee member, SLACK Incorporated, Elsevier: Publishing royalties, financial or material support, Smith & Nephew: Other financial or material support, Smith & Nephew, MIS: Paid consultant, Smith and Nephew, Ossur, Arthrex, Siemens, Vail Valley Medical Center: Research support, Vail Health Services: Board or committee member, Vail Valley Surgery Center Governing Council: Board or committee member

7. Kevin D Plancher, MD, MPH, MS: Submitted on: 01/03/2018
   American Academy of Orthopaedic Surgeons: Board or committee member, American Journal of Orthopedics: Editorial or governing board, American Orthopaedic Society for Sports Medicine: Board or committee member, Arthritis Foundation: Board or committee member, Arthroscopy Association of North America: Board or committee member, CT Med Surg: Publishing royalties, financial or material support, CT Med Surg EOA: Paid presenter or speaker, Duke Grand Rounds: Paid presenter or speaker, Eastern Orthopaedic Association: Board or committee member, International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine: Board or committee member, JBJS/MRC: Paid presenter or speaker, Maine Orthopaedic Review: Paid presenter or speaker, Miller Orthopaedic Review: Paid presenter or speaker, NY County Medical Society: Board or committee member, Operative Techniques in Sports Medicine: Editorial or governing board, Orthopaedic Foundation for Active Lifestyles: Board or committee member, Orthopaedic Research and Education Foundation: Board or committee member, Orthopaedic Summit Evolving Techniques: Board or committee member, Pfizer: Research support, Saunders/Mosby-Elsevier: Publishing royalties, financial or material support, Sekigakaku: Research support, Techniques in Orthopaedics: Editorial or governing board, The Journal of Arthroscopy & Related Surgery: Editorial or governing board

8. Giuseppe Porcellini, MD: (This individual reported nothing to disclose); Submitted on: 01/23/2018

9. Domenico Potestio, MD: (This individual reported nothing to disclose); Submitted on: 04/03/2018

10. CAPT (Ret) Matthew T. Provencher, MD MC USNR: Submitted on: 01/03/2018
    AAOS: Board or committee member, American Orthopaedic Society for Sports Medicine: Board or committee member, American Shoulder and Elbow Surgeons: Board or committee member, Arthrex, Inc: IP royalties, Paid consultant, Arthroscopy: Editorial or governing board, Arthroscopy Association of North America: Board or committee member, International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine: Board or committee member, Joint Restoration Foundation (Allostore): Paid consultant, Knee: Editorial or governing board, Orthopedics: Editorial or governing board, Orthoaedics: Editorial or governing board, San Diego Shoulder Institute: Board or committee member, SLACK Incorporated: Editorial or governing board; Publishing royalties, financial or material support, Society of Military Orthopaedic Surgeons: Board or committee member

11. Pietro Randelli, MD: Submitted on: 07/16/2017

12. Michael A Rauh, MD: Submitted on: 02/09/2018
    AAOS: Board or committee member, American Journal of Sports Medicine: Editorial or governing board, Clinical Orthopaedics and Related Research: Editorial or governing board: Integer - (aka Greatbatch): Paid consultant, New York State Society of Orthopaedic Surgeons: Board or committee member, Orthopedics: Editorial or governing board, Smith & Nephew: Paid consultant, Research support; Stock or stock Options, Stryker: IP royalties


14. Scott Alan Rodeo, MD: Submitted on: 10/09/2017
    Joint Restoration Foundation: Paid consultant, Ortho RTI: Stock or stock Options, Rotation Medical: Stock or stock Options

15. Marina Rodriguez, MD: (This individual reported nothing to disclose); Submitted on: 05/03/2018

16. Michael Joseph Rossi, MD: Submitted on: 11/03/2017
    Arthroscopy: Editorial or governing board

    Arthroscopy Association of North America: Board or committee member, Arthroscopy Association of North American Education Foundation: Board or committee member, MedBridge: Paid consultant, Mitek: Paid presenter or speaker, Operative Techniques in Sports Medicine: Editorial or governing board, Orthopedics Today: Editorial or governing board, Rotation Medical: Paid consultant; Stock or stock Options, SLACK Incorporated: Publishing royalties, financial or material support

18. Adnan Saithna, FRCS (Ortho), MSc: Submitted on: 05/14/2017
    Arthrex, Inc: Other financial or material support; Paid consultant, Arthroscopy Association of North America: Board or committee member, Biomet: Research support, Current Orthopaedic Practice: Editorial or governing board; Publishing royalties, financial or material support, World Journal of Orthopaedics: Editorial or governing board, Zimmer: Research support

    Smith & Nephew: Paid consultant

    American Orthopaedic Society for Sports Medicine: Board or committee member

21. Nicola Santori: Submitted on: 03/29/2018
    e European hip society: Board or committee member, Orthopedics: Editorial or governing board

22. Felix H Savioie, III MD: Submitted on: 10/02/2017
    American Shoulder and Elbow Surgeons: Board or committee member, Arthroscopy: Editorial or governing board, Arthroscopy Association of North America: Board or committee member, Biomet: Unpaid consultant, CONMED Linvatec: Unpaid
consultant, Exactech, Inc: IP royalties; Unpaid consultant, J wrist surgery: Editorial or governing board, Mitek: Paid presenter or speaker; Research support; Unpaid consultant, Rotation Medical: Unpaid consultant, Smith & Nephew: Paid presenter or speaker; Unpaid consultant

Michael S. Schallmo, BS: (This individual reported nothing to disclose); Submitted on: 09/29/2017

Anthony James Scillia, MD: Submitted on: 03/21/2018

ISO-biologics: Research support, Mitek: Paid consultant, New Jersey orthopaedic society: Board or committee member

Nicholas A Sgaglione, MD: Submitted on: 05/02/2017

Arthroscopy Association of North America: Board or committee member, Biomet: IP royalties, Sports Medicine Arthroscopy Review: Editorial or governing board, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support


Theodore Shybut, MD: Submitted on: 05/16/2018

AAOS: Board or committee member, American Orthopaedic Society for Sports Medicine: Board or committee member, Arthroscopy: Editorial or governing board, Zimmer: Research support

Stephen J Snyder, MD: Submitted on: 12/18/2017

Arthrex, Inc: IP royalties, CONMED Linvatec: IP royalties, Lippincott: IP royalties, Sawbones/Pacific Research Laboratories: IP royalties, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support

Tiahna Spencer, BS: (This individual reported nothing to disclose); Submitted on: 03/25/2018

Patrick St Pierre, MD: Submitted on: 02/10/2018

AAOS: Board or committee member, American Shoulder and Elbow Surgeons: Board or committee member, Arthroscopy Association of North America: Board or committee member, DJ Orthopaedics: IP royalties; Paid consultant; Paid presenter or speaker, Journal of Shoulder and Elbow Surgery: Editorial or governing board, Wolters Kluwer Health - Lippincott Williams & Wilkins: Publishing royalties, financial or material support, Zimmer: IP royalties; Paid consultant, Paid presenter or speaker

Denver T Stanfield, MD (Cincinnati, OH) Submitted on: 10/30/2017

Arthroscopy Association of North America: Board or committee member

John W Stelzer, MS: (This individual reported nothing to disclose); Submitted on: 05/31/2017

William B Stetson, MD: Submitted on: 10/11/2017

Journal of Shoulder and Elbow Surgery: Editorial or governing board, Mednition: Stock or stock Options, Orthobullets: Stock or stock Options, Regroup LLC: Stock or stock Options

Eric C Stiefe1, MD: Submitted on: 02/20/2018

Arthroscopy Association of North America: Board or committee member

Jonathan A Stone, MD: (This individual reported nothing to disclose); Submitted on: 02/25/2018

James W Stone, MD: Submitted on: 03/05/2018

Arthroscopy Association of North America: Board or committee member

Allston J Stubbs, IV MD: Submitted on: 02/15/2018

AAOS: Board or committee member, American Board of Orthopaedic Surgery, Inc.: Board or committee member, American Orthopaedic Society for Sports Medicine: Board or committee member, Arthroscopy Association of North America: Board or committee member, International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine: Board or committee member, International Society of Hip Arthroscopy: Board or committee member, Journal of Hip Preservation Surgery: Editorial or governing board, MASH Group: Board or committee member, Thieme: Publishing royalties, financial or material support

Favian Ling-Fan Su, BS: (This individual reported nothing to disclose); Submitted on: 10/02/2017

Milo Jean Tanaka, MD: Submitted on: 02/26/2018

AAOS: Board or committee member, American Orthopaedic Society for Sports Medicine: Board or committee member, Arthroscopy Association of North America: Board or committee member

James P Tasto, MD: Submitted on: 03/26/2018

American Journal of Orthopedics: Editorial or governing board, Arthrex, Inc: Other financial or material support, Arthroscopy Association of North America: Board or committee member, Breg: Other financial or material support; Stock or stock Options, California Orthopedic Association: Board or committee member, DePuy, A Johnson & Johnson Company: Other financial or material support, Smith & Nephew: Other financial or material support; Paid consultant, Research support

Joseph C Tauro, MD (Toms River, NJ) Submitted on: 03/26/2018

Arthroscopy Association of North America: Board or committee member, CONMED Linvatec: Paid consultant; Paid presenter or speaker, Ktx Medical: Stock or stock Options, Medacta: Other financial or material support, Musculoskeletal Transplant Foundation: Paid consultant

Stephen Thon, MD: (This individual reported nothing to disclose); Submitted on: 12/17/2017

Jonathan B Ticker, MD: Submitted on: 12/18/2017

American Shoulder and Elbow Surgeons Foundation: Board or committee member, George Tiemann: IP royalties, Graftwox: Stock or stock Options, Informa Healthcare: Publishing royalties, financial or material support, Ktx Medical: Paid consultant; Stock or stock Options

John M Tokish, MD: Submitted on: 05/01/2017

Arthrex, Inc: Paid consultant; Paid presenter or speaker, Arthroscopy Association of North America: Board or committee member, DePuy, A Johnson & Johnson Company: Paid consultant, Journal of Shoulder and Elbow Surgery: Editorial or governing board, Mitek: Paid consultant, Orthopedics Today: Editorial or governing board

Scott W Trenhaile, MD: Submitted on: 01/28/2018

Exactech, Inc: Paid consultant, OrthoSpace: Research support, Rotation Medical: Research support, Smith & Nephew: IP royalties; Paid consultant

Georgios Dimitrios Tsikouris, MD: (This individual reported nothing to disclose); Submitted on: 03/26/2018

Carola F Van Eck, MD: (This individual reported nothing to disclose); Submitted on: 10/06/2017

Nikhil N Verma, MD: Submitted on: 10/02/2017

American Orthopaedic Society for Sports Medicine: Board or committee member, American Shoulder and Elbow Surgeons: Board or committee member, Arthrex, Inc: Research support, Arthroscopy: Editorial or governing board; Publishing royalties, financial or material support, Arthroscopy Association Learning Center Committee: Board or committee member, Arthrostable: Research support, Cymedica: Stock or stock Options, DJ Orthopaedics: Research support, Journal of Knee Surgery: Editorial or governing board, Minvasive: Paid consultant; Stock or stock Options, Omeros: Stock or stock Options, Orthospace: Paid consultant, Ossur: Research support, SLACK Incorporated: Editorial or governing board, Smith & Nephew: IP royalties; Paid consultant, Smith & Nephew, Athleticio, ConMed Linvatec, Miomed, Mitek: Research support, Vindico Medical-Orthopedics Hyperguide.: Publishing royalties, financial or material support
<table>
<thead>
<tr>
<th>Name</th>
<th>Discloser Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dean Wang, MD</td>
<td>Submitted on: 03/19/2018 (This individual reported nothing to disclose)</td>
</tr>
<tr>
<td>Kevin Wang, MD</td>
<td>Submitted on: 12/07/2016 (This individual reported nothing to disclose)</td>
</tr>
<tr>
<td>Brian R Waterman, MD</td>
<td>Submitted on: 09/05/2017 (AAOS: Board or committee member, American Journal of Orthopedics: Editorial or governing board, Arthroscopy: Editorial or governing board, Arthroscopy Association of North America: Board or committee member, Elsevier: Publishing royalties, financial or material support, Genzyme: Paid presenter or speaker, Society of Military Orthopaedic Surgeons: Board or committee member)</td>
</tr>
<tr>
<td>Danielle Weekes, MD</td>
<td>Submitted on: 10/12/2017 (This individual reported nothing to disclose)</td>
</tr>
<tr>
<td>Brian C Werner, MD</td>
<td>Submitted on: 12/15/2017 (American Orthopaedic Society for Sports Medicine: Board or committee member, Biomet: Research support)</td>
</tr>
<tr>
<td>Merrick J Wetzler, MD</td>
<td>Submitted on: 10/06/2017 (Arthroscopy: Editorial or governing board; Publishing royalties, financial or material support)</td>
</tr>
<tr>
<td>Jared Wolfe, MD</td>
<td>Submitted on: 10/06/2017 (This individual reported nothing to disclose)</td>
</tr>
<tr>
<td>Ivan Ho-Bun Wong, MD</td>
<td>Submitted on: 12/15/2017 (Smith &amp; Nephew: Paid presenter or speaker, Stryker: Paid presenter or speaker)</td>
</tr>
<tr>
<td>Kotaro Yamakado, MD, PhD</td>
<td>Submitted on: 05/01/2017 (This individual reported nothing to disclose)</td>
</tr>
<tr>
<td>Adam Blair Yanke, MD</td>
<td>Submitted on: 02/03/2018 (Arthrex, Inc: Research support, JRF Ortho: Paid consultant, NuTech: Research support)</td>
</tr>
<tr>
<td>Giorgio Zappala, MD</td>
<td>Submitted on: 12/07/2017 (This individual reported nothing to disclose)</td>
</tr>
</tbody>
</table>

*For the full and updated list of disclosures visit, aana.org/AANA18.*
NEW ARTHRO Mentor II
Arthroscopic Surgical Training Simulator
The Only Simulator Offering Suturing and Advanced Procedural Training

Meet us at booth #108

Contact us for a demo at your institution:
healthcare@3dsystems.com  |  www.3dsystems.com/healthcare
Introducing PUREVUE™ Visualization System: the surgical imaging system from DePuy Synthes. Amazing picture clarity and comprehensive image management are now in VUE.

Excellent Image Quality – Autoclavable, full HD CMOS camera with proprietary, purpose-built endoscopy sensor delivers real-time, native 1080P HD video images without upscaling, for a crystal clear view of what’s happening, when it’s happening. Multiple display options, including 4K.

Compact and Scalable – Improved ease of use and reduced footprint with the camera control unit, light source and local image management now in one unit. Flexible configurations and forward compatibility designed to meet facility needs now and into the future.

Image and Case Management – Comprehensive, intuitive image and case management aids post-op surgeon-to-patient communication, and, integrates to facility record archives. Access and control remotely via mobile app.

Worry Free Ownership – Full range of optical accessories to meet your needs, backed by broad service and repair offerings. Part of the DePuy Synthes VUE™ Arthroscopic Equipment Solutions portfolio: VAPR VUE® Radiofrequency System and FMS VUE™ Fluid Management and Tissue Debridement System.

Differentiation That Matters, So You Can Visualize Success!

Learn more online. 
Search: PUREVUE Visualization System
APEx
THE AANA PROFESSIONAL EXCELLENCE SERIES

2018 LAB COURSES
at the Orthopaedic Learning Center in Rosemont, IL
One-on-One Advanced Arthroscopy Education for Experienced Surgeons.

FELLOWS: Inaugural AANA Sports Medicine and Arthroscopy Fellows Lab Course
June 22-24, 2018

SHOULDER: Shoulder Arthroscopy - Skills, Techniques and Decision-Making
August 3-4, 2018

SHOULDER AND/OR KNEE: Knee and Shoulder - Design Your Own Course - A Case-Based Approach
November 9-11, 2018

HIP: Hip Arthroscopy Procedures & Performance Outcomes
October 19-21, 2018

FOOT & ANKLE: New Techniques and Controversies in Foot and Ankle Arthroscopy and Sports Medicine
October 5-6, 2018

WRIST & ELBOW: Treatments for Wrist & Elbow Problems
November 16-18, 2018

For Resident Lab Courses, visit aana.org/ResidentLab

FIND YOUR COURSE AANA.ORG/APEX
Experience post-free at booth #207

Freedom to operate

Pivot Guardian Distraction System

Post-Free • Next generation boots • Fine and gross traction controls • Carbon fiber construction
Join more than 4,000 arthroscopy-focused peers from across the globe!

AANA Membership demonstrates and signifies commitment to leading advancement, driving research and cutting-edge education in arthroscopy. AANA offers broad and supportive member benefits that delivers on the promise of advancement, research and education.

**ADVANCEMENT.**

- Free license for the Surgical Outcomes System™ (SOS) global data registry
- Free coding resources
- Find a Doctor listing
- Research awards and grants
- Become a traveling fellow
- Lobbying efforts
- Volunteer leadership roles

**RESEARCH.**

- Free subscription to *Arthroscopy: The Journal of Arthroscopic and Related Surgery*
- Free access to ArthroscopyTechniques.org
- Free access to Pearls (Surgical Tips)
- Publishing opportunities

**EDUCATION.**

- Free or discounted education courses
- Member-only registration rates for AANA meetings
- Teaching and presenting opportunities

Learn more at the AANA Resource Center! Visit Booth #113 in the Exhibit Hall.
SAVE THE DATE
MAY 2-4, 2019

For information about registration and the hotel room block visit
aana.org/AANA19