



7–7:05 a.m.	Welcome James W. Stone, M.D., FAANA, <i>AANA President</i> Kenneth R. Zaslav, M.D., <i>BA President</i> Michael J. O’Brien, M.D., FAANA, <i>AANA Program Chair</i> Scott A. Rodeo, M.D., <i>BA Program Chair</i>
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Session I: Shoulder Instability
Time: 7:05–8:01 a.m.
Moderators: Maj. Travis J. Dekker, M.D., Jennifer Smith, M.D.

Time	Talk Title	Faculty
7:05–7:08 a.m.	Introduction	Moderators: Maj. Travis J. Dekker, M.D. Jennifer Smith, M.D.
7:08–7:14 a.m.	First-Time Dislocator: Individualize Treatment for Your Patients	Kevin W. Farmer, M.D.
7:14–7:29 a.m.	Subcritical Bone Loss: So Many Options!	Moderator: Jonathan F. Dickens, M.D., L.T.C., M.C. Panel: Michael Fu, M.D., MHS, Jeanne C. Patzkowski, M.D., Josef K. Eichinger, M.D., FAANA, Cory Edgar, M.D., Ph.D.
7:29–7:35 a.m.	Posterior Labral Repair	Andrew J. Sheean, M.D.
7:35–7:41 a.m.	HAGL Repair: How to Fix It Arthroscopically	Felix H. Savoie III, M.D.
7:41–7:56 a.m.	Critical Bone Loss: Which Bone Block Should I Choose?	Moderator: John M. Tokish, M.D., FAANA Panel: Ivan H. Wong, M.D., FAANA, Michael T. Freehill, M.D., Seth Gamradt, M.D., Rachel M. Frank, M.D.
7:56–8:01 a.m.	Questions and Answers	Moderators: Maj. Travis J. Dekker, M.D., Jennifer Smith, M.D.

Session II: Rotator Cuff
Time: 8:02–8:50 a.m.
Moderators: Don A. Buford, M.D., FAANA, Ivan H. Wong, M.D., FAANA

Time	Talk Title or Paper #	Faculty
8:02–8:05 a.m.	Introduction: When I Use This in My Practice	Moderators: Don A. Buford, M.D., FAANA, Ivan H. Wong, M.D., FAANA
8:05–8:10 a.m.	Bioinductive Scaffolds	Louis F. McIntyre, M.D., FAANA
8:10–8:15 a.m.	Onlay Dermis Grafts	Patrick J. Denard, M.D., FAANA
8:15–8:20 a.m.	Subacromial Balloon Spacer	Joseph A. Abboud, M.D.

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8:20–8:25 a.m.	Lower Trapezius Tendon Transfer	Michael H. Amini, M.D.
8:25–8:45 a.m.	Case Discussions	Moderator: Mark H. Getelman, M.D., FAANA Panel: Louis F. McIntyre, M.D., FAANA, Patrick J. Denard, M.D., FAANA, Joseph A. Abboud, M.D., Michael H. Amini, M.D.
8:45–8:50 a.m.	Questions and Answers	Moderators: Don A. Buford, M.D., FAANA, Ivan H. Wong, M.D., FAANA
Session III: Biologics I: How I Use Biologics in My Practice Time: 8:51–9:49 a.m. Moderator: Scott A. Rodeo, M.D.		
Time	Talk Title or Paper #	Faculty
8:51–8:54 a.m.	Introduction: How I Use Biologics in My Practice	Moderator: Scott A. Rodeo, M.D.
8:54–9:04 a.m.	Update on Regulatory Status: How to Stay out of Jail?	Scott Bruder, M.D., Ph.D.
9:04–9:09 a.m.	Biologics for Meniscus Repair	Seth L. Sherman, M.D.
9:09–9:14 a.m.	Biologics for Chronic Tendinopathy	Jason L. Dragoo, M.D., FAANA
9:14–9:19 a.m.	Biologic Adjuncts for Rotator Cuff Repair Surgery	Pietro S. Randelli, M.D.
9:19–9:24 a.m.	Biologic Adjuncts for Cartilage Repair Surgery	Kenneth R. Zaslav, M.D.
9:24–9:29 a.m.	Biologics for Muscle Injury	Asheesh Bedi, M.D.
9:29–9:34 a.m.	Biologics for Nonoperative Treatment of Osteoarthritis	William D. Bugbee, M.D.
9:34–9:44 a.m.	How Do I Bill for Biologics in My Practice? What Is the Cost?	Brian J. Cole, M.D., M.B.A., FAANA
9:44–9:49 a.m.	Questions and Answers	Moderator: Scott A. Rodeo, M.D.
Session IV: Biologics II: PRP and Emerging Blood-Based Formulations Time: 9:50–10:48 a.m. Moderator: Jason L. Dragoo, M.D., FAANA		
Time	Talk Title or Paper #	Faculty
9:50–9:53 a.m.	Introduction: Different Types of PRP and When to Use It	Moderator: Jason L. Dragoo, M.D., FAANA
9:53–10:03 a.m.	How Can I Use Bone Marrow Aspiration and Lipoaspiration in My Clinic?	Shane A. Shapiro, M.D.
10:03–10:13 a.m.	Precision Medicine: How Do I Choose the Right Type of PRP for Different Conditions?	Bert R. Mandelbaum, M.D.
10:13–10:23 a.m.	The New/Emerging Blood-Based Formulations Beyond PRP	Nicolas Piuze, M.D.
10:23–10:33 a.m.	Biologics Is More Than Just PRP and Bone Marrow: Scaffolds, Cytokines, Pharmacologic Agents	Scott A. Rodeo, M.D.
10:33–10:43 a.m.	Perinatal Tissues: Umbilical Cord Blood, Amniotic Membrane, Placental Cells	Lisa Fortier, M.D.
10:43–10:48 a.m.	Questions and Answers	Moderator: Jason L. Dragoo, M.D., FAANA

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Session V: Knee I: Cartilage and Meniscus

Time: 10:49–11:51 a.m.

Moderators: Clayton W. Nuelle, M.D., FAANA, Brian R. Waterman, M.D., FAANA

Time	Talk Title or Paper #	Faculty
10:49–10:52 a.m.	Introduction	Moderators: Clayton W. Nuelle, M.D., FAANA, Brian R. Waterman, M.D., FAANA
10:52–10:58 a.m.	What’s New in the Pipeline for Meniscus Surgery	Aaron J. Krych, M.D.
10:58–11:13 a.m.	#SaveTheMeniscus: Options for “Irreparable” Meniscus Tears	Moderator: Clayton W. Nuelle, M.D., FAANA Panel: Aaron J. Krych, M.D., Mary K. Mulcahey, M.D., FAANA, David C. Flanigan, M.D., Seth L. Sherman, M.D., Austin Stone, M.D., Ph.D.
11:13–11:19 a.m.	Algorithm for Symptomatic Chondral Defects	Christian Lattermann, M.D.
11:19–11:25 a.m.	What’s New in the Pipeline for Cartilage Surgery	Deryk G. Jones, M.D.
11:25–11:31 a.m.	Correcting Alignment: Are 3D Scans and Patient-Specific Osteotomies the Future?	Armando F. Vidal, M.D.
11:31–11:46 p.m.	Put Down the Awl! Save My Cartilage	Moderator: Brian R. Waterman, M.D., FAANA Panel: Kris Jones, M.D., Eric J. Strauss, M.D., Catherine A. Logan, M.D., M.B.A., M.S.P.T., Kevin F. Bonner, M.D., FAANA
11:46–11:51 a.m.	Questions and Answers	Moderators: Clayton W. Nuelle, M.D., FAANA Brian R. Waterman, M.D., FAANA

*Lunch Break – 11:51 a.m.–1 p.m.***Session VI: Knee II: ACL and Ligaments**

Time: 1–1:56 p.m.

Moderators: Michael J. Alaia, M.D., Cassandra A. Lee, M.D.

Time	Talk Title or Paper #	Faculty
1–1:03 p.m.	Introduction	Moderators: Michael J. Alaia, M.D., Cassandra A. Lee, M.D.
1:03–1:09 p.m.	ACL Reconstruction and Repair: What Is the Role for Biologics?	Leah C. Brown, M.D.
1:09–1:24 p.m.	Case Panel: Recurrent ACL Tears 20 Year-Old College Soccer Player 40 Year-Old Weekend Warrior (When to LET vs. ALL vs. Internal Brace)	Moderator: Cassandra A. Lee, M.D. Panel: Matthew J. Salzler, M.D., Ashley Bassett, M.D., Adnan Saithna, M.D., FAANA, Miho J. Tanaka, M.D., M.A., Nicholas A. Sgaglione, M.D.
1:24–1:30 p.m.	When to Graft, When to Stage	Michael A. Zacchilli, M.D.
1:30–1:36 p.m.	When to Correct Slope	Mark A. Heard, M.D.
1:36–1:51 p.m.	Disasterplasty: Revision ACL and Multiligament Reconstruction	Moderators: Michael J. Alaia, M.D., Cassandra A. Lee, M.D. Panel: Tamara A. Scerpella, M.D., Jonathan F. Dickens, M.D., L.T.C., M.C., Bruce A. Levy, M.D., Armando F. Vidal, M.D.
1:51–1:56 p.m.	Questions and Answers	Moderators: Michael J. Alaia, M.D. Cassandra A. Lee, M.D.

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Session VII: AANA Innovations Lecture

Time: 1:57–2:27 p.m.

Moderator: James W. Stone, M.D., FAANA

Time	Talk Title or Paper #	Faculty
1:57–2:02 p.m.	AANA Innovations Lecture Introduction	James W. Stone, M.D., FAANA
2:02–2:27 p.m.	AANA Innovations Lecture	George Muschler, M.D.

Session VIII: Hip

Time: 2:28–3:28 p.m.

Moderators: Shane J. Nho, M.D., M.S., Sharon L. Hame, M.D.

Time	Talk Title or Paper #	Faculty
2:28–2:31 p.m.	Introduction	Moderators: Shane J. Nho, M.D., M.S., Sharon L. Hame, M.D.
2:31–2:37 p.m.	Decision-Making in Borderline Dysplasia: What Is the Evidence?	Michael J. Salata, M.D.
2:37–2:52 p.m.	Borderline Dysplasia: Scope or PAO?	Moderators: Shane J. Nho, M.D., M.S., Sharon L. Hame, M.D. Panel: Stephanie J. Swensen Buza, M.D., Michael J. Salata, M.D., Bryan T. Kelly, M.D., Jeffrey J. Nepple, M.D., Allston J. Stubbs IV, M.D., M.B.A.
2:52–2:58 p.m.	What to Inject in the Hip: Biologic Augmentation, Steroid or HA?	Benedict U. Nwachukwu, M.D.
2:58–3:03 p.m.	Hip Soft Tissues: Repair the Labrum and the Capsule	Allston J. Stubbs IV, M.D., M.B.A.
3:03–3:08 p.m.	Hip Soft Tissues: Reconstruct the Labrum and the Capsule	Marc J. Philippon, M.D.
3:08–3:23 p.m.	Case Discussion	Moderators: Shane J. Nho, M.D., M.S., Sharon L. Hame, M.D. Panel: Michael J. Salata, M.D., Benedict U. Nwachukwu, M.D., Stephen K. Aoki, M.D., Marc J. Philippon, M.D.
3:23–3:28 p.m.	Questions and Answers	Moderators: Shane J. Nho, M.D., M.S., Sharon L. Hame, M.D.
3:30–3:35 p.m.	Closing Comments	Program Chair: Michael J. O’Brien, M.D., FAANA
3:35 p.m.	Adjourn	