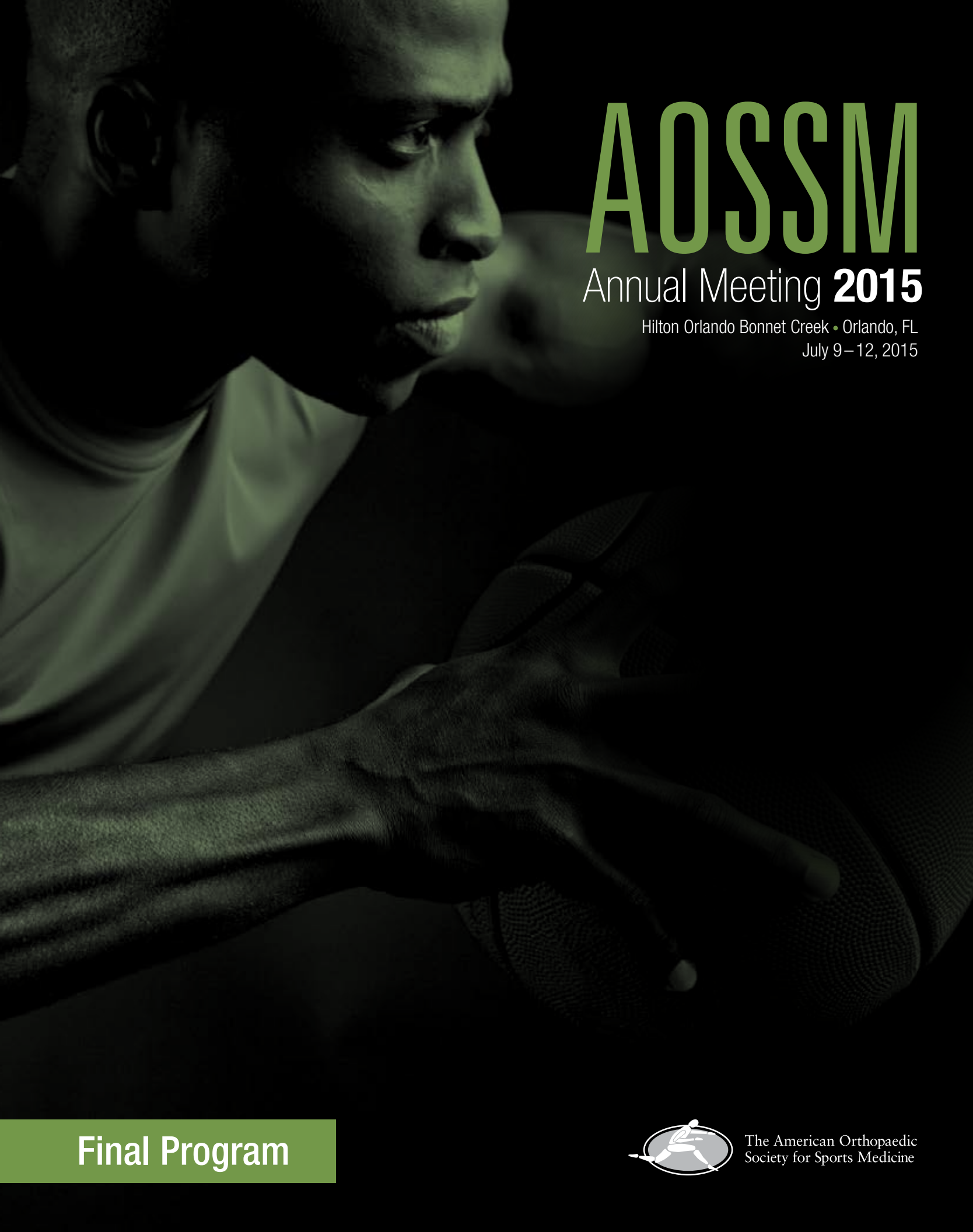




AOSSM

Annual Meeting **2015**

Hilton Orlando Bonnet Creek • Orlando, FL
July 9–12, 2015

Final Program



The American Orthopaedic
Society for Sports Medicine

AOSSM Corporate Partners

AOSSM gratefully acknowledges the following companies for their generous 2014–2015 support.

Platinum Elite

(\$100,000 and above)



Silver

(\$35,000 – \$69,999)



Bronze

(up to \$34,999)

Breg
Bioventus
Ferring Pharmaceuticals
Flexion Therapeutics
Pacira Pharmaceuticals
Vericel

Table of Contents

Program at a Glance	2
Agenda	5
Annual Meeting Corporate Supporters	17
Instructional Courses	18
Posters	26
Guided Poster Tours	27
Workshops	38
AOSSM/SPTS Pre-Conference Program	39
AOSSM Medical Publishing Group Reviewers' Workshop	40
Empirical Answers to Burning Clinical Questions	41
Young Sports Medicine Specialists' Workshop	42
Research Grants & Awards Deadlines	43
General Information	44
Floor Plan	45
Committee Meetings/Receptions	46
Meeting Format	47
Social Functions	50
Awards	52
Exhibitor Information	56
Industry Symposia	60
Industry Theaters	61
Disclosures	64



Program Chair Augustus D. Mazzocca MD, and AOSSM President Robert A. Arciero MD welcome you to the AOSSM 2015 Annual Meeting.

Program at a Glance

THURSDAY, JULY 9, 2015

Instructional Courses

6:45am–8:15am

Exhibits

7:30am–12:30pm

8:25am–10:20am

MORNING GENERAL SESSION: ACL Floridian Ballroom A-I

ACL I

Surgical Spotlight: Overview of Anterolateral Ligament

Debate: Advocate for Anterolateral Ligament Repair/Reconstruction vs. Advocate Against Anterolateral Ligament Repair/Reconstruction

ACL II

- Revision ACL: Single Stage
- Revision ACL: Two Stage
- Revision ACL: European Experience

10:20am–11:00am Break

11:00am–12:00pm

CONCURRENT SESSION A: PATELLA Floridian Ballroom A-I

- **Update:** Patellar Instability: Should We Be Fixing the First Time Dislocator?
- **Case-based Symposium:** Recurrent Patellar Instability: What I Do
- **Surgical Spotlight:** Tibial Tubercle Transfer: The Forgotten Operation

11:00am–12:05pm

CONCURRENT SESSION B: FOOT AND ANKLE Citrus/Collier/Columbia

- Current Concepts: High Ankle Sprains
- Current Concepts: Turf Toe Sesamoiditis

11:00am–12:00pm

CONCURRENT SESSION C: BIOLOGICS Floridian Ballroom J-L

- **Update:** Stem Cells and Platelet-Rich Plasma Treatment for Osteoarthritis and Articular Cartilage: Is and How Is the FDA Involved?
- Hype vs. Science: Platelet-Rich Plasma Treatment vs. Stem Cells: Is There a Role for Biologics in Acute Muscle/Tendon Injury?

12:30pm–1:30pm

Guided Poster Tours Exhibit Hall Foyer

12:30pm–2:00pm

AOSSM Medical Publishing Group Reviewers' Workshop Citrus/Collier/Columbia

1:30pm–3:35pm

AFTERNOON GENERAL SESSION: ROTATOR CUFF I/TEAM COVERAGE 2015 Floridian Ballroom A-I

ROTATOR CUFF I

- Indications for Rotator Cuff Repair: Who to Fix
- Top Ten Rotator Cuff Issues 2015
- Partial Tear: General vs. Athlete
- **Surgical Spotlight:** Double Row vs. Single Row
- Rehabilitation for Rotator Cuff Repair in 2015

TEAM COVERAGE 2015: WHO IS RESPONSIBLE FOR THE ATHLETE?

- What Is the Problem?
- Who Does One Report to?
- Organizing an Effective Team
- Primary Care Sports Medicine in 2015: How to Interface with Orthopods
- Athletic Administration and Its Role in Regulating Athletic Care

FRIDAY, JULY 10, 2015

Instructional Courses

6:45am–8:15am

Exhibits

7:30am–12:30pm

8:30am–10:50am

MORNING GENERAL SESSION: SHOULDER INSTABILITY Floridian Ballroom A-I

SHOULDER INSTABILITY

- Shoulder Instability Bone Loss
- **Point/Counterpoint:** Treatment of Instability in Athletes (Open Bankart)
- **Point/Counterpoint:** Treatment of Instability in Athletes (Latarjet)
- **Live Surgical Demonstration:** Open Bankart
- Shoulder Instability Soft Tissue

Presidential Address

10:50am–11:30am Break

11:30am–12:30pm

CONCURRENT SESSION A: HIP I FEMORACETABULAR IMPINGEMENT Floridian Ballroom A-I

Live Surgical Demonstration: Femoroacetabular Impingement

11:30am–12:30pm

CONCURRENT SESSION B: SLAP/BICEPS/ POSTERIOR INSTABILITY/MDI Floridian Ballroom J-L

- SLAP Lesions in Throwing Athletes
- Biceps Concepts 2015: Throwers and Non-Throwers
- Posterior Instability: Bone Retroversion and Graft
- Posterior Instability: Soft Tissue Only
- MDI—How Classification and Diagnoses Help Treatment and Return to Sport
- Open and Arthroscopic Surgery—When to Do It and How to Return to Sport

11:30am–12:30pm

CONCURRENT SESSION C: EDUCATION TRENDS IN SPORTS MEDICINE Citrus/Collier/Columbia

- ACGME Changes in Fellowship Requirements: Are They Improving or Impeding Education? Stand-alone/Non-university Affiliated Fellowship/University-based Programs

2:00pm–4:55pm

AFTERNOON GENERAL SESSION: MENISCUS/CARTILAGE Floridian Ballroom A-I

MENISCUS

- **Live Surgical Demonstration:** Root Repair
- **Rapid Fire Case Presentation:** Meniscus Treatment

CARTILAGE

- **Live Surgical Demonstration:** Large OCD; Osteoarticular Transfer System and Allograft
- **Update:** Stem Cells and PRP for Cartilage
- Panel Discussion: What Do You Use and Why for Cartilage Treatment?

4:55pm–5:20pm

Business Meeting

In addition to the topics listed below, each session contains 3–5 podium presentations featuring the latest research in sports medicine. Friday's Live Surgical Demonstrations are integrated within the General Session.

SATURDAY, JULY 11, 2015

Instructional Courses

6:45am–8:15am

Exhibits

7:30am–12:30pm

8:30am–10:20am **MORNING GENERAL SESSION:
ROTATOR CUFF II**
Floridian Ballroom A-I

ROTATOR CUFF II

- **Update:** Rotator Cuff: Patch
- **Update:** Rotator Cuff: Healing/Biology
- Revision Rotator Cuff Repair

Presidential Guest Speaker

Robert E. Leach Sports Medicine Leadership Award

10:20am–11:00am Break

11:00am–12:30pm **CONCURRENT SESSION A:
MULTI-LIGAMENT KNEE/PEDIATRIC KNEE**
Floridian Ballroom A-I

MULTI-LIGAMENT KNEE

- **Debate:** MCL: Don't Fix vs. Fix
- **Debate:** MCL: Reconstruction
- **Surgical Spotlight:** PLC

PEDIATRIC KNEE

- Management of Skeletally Immature—To Cross or Not to Cross

11:00am–12:30pm **CONCURRENT SESSION B:
CLAVICLE FRACTURE/THROWING ELBOW**
Citrus/Collier/Columbia

- **Update:** When to Fix Clavicle Fractures
- **Update:** Elbow OCD (MCL, OCD)
- Osteoarticular Transfer for OCD Lesions

11:00am–12:30pm **CONCURRENT SESSION C:
HIP II/LABRAL TEAR**
Floridian Ballroom J-L

- Hip Labral Tear/Repair and Bone Removal: Less Is More
- Hip Labral Tear/Repair and Bone Removal: Go Big or Go Home
- **Surgical Spotlight:** Gluteus Medius Repair

12:30pm–1:30pm **Guided Poster Tours**
Exhibit Hall Foyer

AFTERNOON WORKSHOPS

1:00pm–3:00pm **2015 Young Sports Medicine Specialists'
Workshop: Your Practice, Your Way**
Nassau

1:00pm–4:30pm **Research Workshop:
Empirical Answers to Burning Clinical Questions**
Floridian Ballroom L-J

SUNDAY, JULY 12, 2015

Instructional Courses

6:45am–8:15am

8:30am–10:20am **MORNING GENERAL SESSION**
Floridian Ballroom A-I

- Traveling Fellows Presentation
- NATA Exchange Lecture
- Shoulder Basic Science
- Administrative Database: What Can We Learn?
- ACL Prevention

PRESIDENTIAL SPEAKER

John Feinstein

Best Seat in the House

Saturday, July 11, 2015



John Feinstein is an award-winning columnist and one of the nation's most successful and prolific sports authors. He spent years on the staff at the *Washington Post*, as well as writing for *Sports Illustrated* and the *National Sports Daily*. He is a commentator on NPR's "Morning Edition," a regular

on ESPN's "The Sports Reporters," and a visiting professor of journalism at Duke University. He has written more than two dozen books to date, including bestsellers, *A Good Walk Spoiled* and *A Season on the Brink*.

AOSSM gratefully acknowledges Breg for an educational grant in support of the Presidential Guest Speaker.



The American Orthopaedic
Society for Sports Medicine

Looking for the latest on the AOSSM Annual Meeting?



Bookmark our mobile website at
www.sportsmed.org/apps/aossm_2015/index.html

- Navigate the Annual Meeting's educational activities and social events
- View abstracts, instructional courses, and disclosures
- Review posters
- Find exhibitors



Tweeting about the
Annual Meeting?

Include hashtag **#AOSSM2015**
in your Tweets and join the conversation!

AOSSM gratefully acknowledges



ZIMMER BIOMET

*for an educational grant in support of the
Annual Meeting mobile website.*



www.sportsmed.org/AnnualMeeting
Bookmark the site from your computer
or mobile device or scan this QR code

Conference Agenda



Conference Agenda

THURSDAY, JULY 9, 2015

6:45am–8:15am **Instructional Courses**

7:30am–12:30pm **Exhibits**

Morning General Session: ACL – Floridian Ballroom A-I

8:25am–8:30am **Welcome**

Augustus D. Mazzocca MD, MS
University of Connecticut Health Center, Farmington, CT
Robert A. Arciero MD
University of Connecticut Health Center, Farmington, CT

8:30am–9:30am **ACL I**

Moderators:

Russell F. Warren MD
Hospital for Special Surgery, New York, NY
Christopher J. Wahl MD
University of California San Diego, San Diego, CA

8:30am–8:35am **Paper 1: Modification of Practice Patterns after Analysis of Risk Factors: Improved ACLR Outcomes**

Christopher C. Kaeding MD¹, Angela Pedroza MPH¹,
Timothy E. Hewett PhD, FACSM¹, Emily Reinke PhD²,
Laura J. Huston MS³, Moon Knee Group²
¹The Ohio State University Sports Health & Performance
Institute, Columbus, OH

²Vanderbilt University, Nashville, TN

³Vanderbilt Orthopaedic Institute, Nashville, TN

8:35am–8:40am **Paper 2: Outcomes 2 Years after ACLR in Athletes: Function, Return to Sport Rates, and Re-Injury Rates from The Delaware-Oslo ACL Cohort Study**

Mathew Failla, PT, MSPT, SCS¹,
David Logerstedt PT, PhD¹, Hege Grindem PT, MSc²,
Michael J. Axe MD¹, Lars Engebretsen MD, PhD²,
May Arna Risberg PhD², Lynn Snyder-Mackler PhD¹

¹University of Delaware, Newark, DE

²Oslo University Hospital-Ullevaal, Oslo, Norway

8:40am–8:45am **Paper 3: O'Donoghue Award: Utilization of ACL Injury Biomechanical and Neuromuscular Risk Profile Analysis to Determine the Effectiveness of Neuromuscular Training: A Prospective Cohort Double Blind Randomized Controlled Trial**

Timothy E. Hewett PhD, FACSM¹, Kevin R. Ford PhD²,
Yingying Xu³, Jane Khoury PhD³,
Gregory D. Myer PhD, CSCS³

¹The Ohio State University Sports Health & Performance
Institute, Columbus, OH

²High Point University, High Point, NC

³Cincinnati Children's Hospital, Cincinnati, OH

8:45am–8:50am **Paper 4: Knee Kinematics are Related to Patient-Reported Outcomes 6 Months after Anatomic ACL Reconstruction**

Jay Kalawadia MD¹, Eric Thorhauer BS¹,
Fabio Vicente Arilla MD¹, Amir Ata Rahnama Azar MD¹,
Caiyan Zhang MS¹, Freddie H. Fu MD¹, Scott Tashman PhD¹,
James J. Irrgang PhD, PT, ATC¹

¹University of Pittsburgh Medical Center, Pittsburgh, PA

8:50am–8:55am **Paper 5: Effects of Anterolateral Capsular Injury and Extra-Articular Tenodesis on Knee Kinematics during Physical Examination**

Fabio Vicente Arilla MD¹, Daniel Guenther MD¹,
Carlos Yacuzzi MD¹, Amir Ata Rahnama Azar MD¹,
Freddie H. Fu MD¹, Richard Debski PhD¹, Volker Musahl MD¹

¹University of Pittsburgh Medical Center, Pittsburgh, PA

8:55am–9:02am **Question and Answer**

9:02am–9:10am **Surgical Spotlight: Overview of Anterolateral Ligament**

Gregory S. DiFelice MD
Hospital for Special Surgery, New York, NY

9:10am–9:15am **Debate: Advocate for Anterolateral Ligament Repair / Reconstruction**

Lee D. Kaplan MD
University of Miami, Miami, FL

9:15am–9:20am **Debate: Advocate Against Anterolateral Ligament Repair / Reconstruction**

Kurt P. Spindler MD
Cleveland Clinic Sports Health Center, Garfield Heights, OH

9:20am–9:30am **Question and Answer**

9:30am–10:20am **ACL II**

Moderators:

Gehron Treme MD
University of New Mexico, Albuquerque, NM
Matthew Bollier MD
University of Iowa Hospitals and Clinics, Iowa City, IA

9:30am–9:35am **Paper 6: Long-Term In-Vivo Evaluation of a Resorbable PLLA Scaffold for Regeneration of the ACL**

William Robert Walsh PhD¹, Nicky Bertollo PhD²,
Robert A. Arciero MD³, **Robert A. Stanton MD⁴**,
Robert A. Poggie PhD⁵

¹University of New South Wales, Prince of Wales Hospital,
Randwick, Australia

²Surgical & Orthopaedic Research Laboratories,
Randwick, Australia

³University of Connecticut Health Center, Farmington, CT

⁴Orthopaedic Specialty Group, Fairfield, CT

⁵BioVera, Inc., Notre Dame de L'Île Perrot, QC, Canada

9:35am–9:40am **Paper 7: The Degree of Knee Extension Does Not Affect Postoperative Stability or Subsequent Graft Tear Rate after Anterior Cruciate Ligament Reconstruction with Patellar Tendon Autograft**

Rodney W. Benner MD¹, K. Donald Shelbourne MD¹,
Tinker Gray MA, ELS¹

¹Shelbourne Knee Center, Indianapolis, IN

9:40am–9:45am **Paper 8: ACL Reconstruction: Is there a Difference in Graft Motion for Bone-Tendon-Bone and Hamstring Autograft at One Year?**

Justin W. Arner MD¹, James N. Irvine MD¹,
Eric Thorhauer BS², Ermias Shawel Abebe MD¹,
Jennifer Lynn D'Auria BS³, Verena Schreiber MD¹,
Scott Tashman PhD², **Christopher D. Harner MD⁴**

¹University of Pittsburgh Medical Center, Pittsburgh, PA

²University of Pittsburgh, Pittsburgh, PA

³Emory University School of Medicine, Atlanta, GA

⁴UPMC Center for Sports Medicine, Pittsburgh, PA

Conference Agenda



#AOSSM2015

THURSDAY, JULY 9, 2015

9:45am–9:50am **Paper 9: Early Predictors of Outcomes following Non-Operative Management of ACL Injury: The Delaware-Oslo ACL Cohort Study**

Elizabeth Wellsandt DPT¹, May Arna Risberg PhD², Hege Grindem PT, MSc², Ingrid Eitzen PhD³, Lynn Snyder-Mackler PhD⁴

¹University of Delaware, Newark, DE

²Oslo University Hospital, Oslo, Norway

³Norwegian Research Center for Active Rehabilitation, Oslo, Norway

⁴University of Delaware, Newark, DE

9:50am–10:00am **Question and Answer**

10:00am–10:20am **Revision ACL Decisions**

Moderator:

Rick W. Wright MD

Washington University, St. Louis, MO

10:00am–10:05am **Revision ACL: Single Stage**

Thomas M. DeBerardino MD

University of Connecticut Health Center, Farmington, CT

10:05am–10:10am **Revision ACL: Two Stage**

Darren L. Johnson MD

University of Kentucky Sports Medicine, Lexington, KY

10:10am–10:15am **Revision ACL: European Experience**

Matteo Denti MD

ESSKA, Monza, Italy

10:15am–10:20am **Question and Answer**

10:20am–11:00am **BREAK**

Concurrent Session A: Patella Floridian Ballroom A-I

11:00am–12:00pm **Patella**

Moderator:

Cory M. Edgar MD

University of Connecticut, Farmington, CT

11:00am–11:05am **Paper 10: Trochleoplasty for Treatment of Patella Instability: A Prospective Study**

Elizabeth A. Arendt MD

University of Minnesota, Minneapolis, MN

11:05am–11:10am **Paper 11: Low Risk of Physeal Damage from a Medial Patellofemoral Ligament (MPFL) Reconstruction Technique that Uses an Epiphyseal Socket in Children**

Jonathan D. Haskel BA¹, Tyler J. Upstrom BA², Elizabeth Bishop Gausden MD², **Daniel W. Green MD²**

¹Robert Wood Johnson Medical School, Piscataway, NJ

²Hospital for Special Surgery, New York, NY

11:10am–11:15am **Question and Answer**

11:15am–11:25am **Update: Patellar Instability: Should We Be Fixing the First Time Dislocator?**

Diane L. Dahm MD

Mayo Clinic, Rochester, MN

11:25am–11:40am **Case-Based Symposium: Recurrent Patellar Instability: What I Do**

Moderator:

Andrew J. Cosgarea MD

Johns Hopkins Sports Medicine, Lutherville, MD

Panelists:

John P. Fulkerson MD

Orthopedic Associates of Hartford PC, Farmington, CT

Anthony A. Schepsis MD

Boston University Medical Center, Boston, MA

Robin West MD

Inova Health System Sports Medicine, Falls Church, VA

11:40am–11:50am **Surgical Spotlight: Tibial Tubercle Transfer: The Forgotten Operation**

Beth E. Shubin Stein MD

Hospital for Special Surgery, New York, NY

11:50am–12:00pm **Question and Answer**

Concurrent Session B: Foot and Ankle Citrus / Collier / Columbia

11:00am–12:05pm **Foot and Ankle**

Moderator:

Morgan H. Jones MD

Cleveland Clinic, Cleveland, OH

11:00am–11:05am **Paper 12: Extra-articular Drilling for Adolescents with Osteochondritis Dissecans of the Talus: A Lost Cause or a Call to Develop Better Treatment?**

Eric W. Edmonds MD¹, Joanna Helena Roocroft MA²,

Tracey P. Bastrom MA², Andrew T. Pennock MD²

¹Rady Children's Specialists San Diego, San Diego, CA

²Rady Children's Hospital, San Diego, CA

11:05am–11:10am **Paper 13: Outcomes of Lisfranc Injuries in the National Football League**

Kevin Jude McHale MD¹, **Joshua Rozell MD¹**,

Andrew Milby MD¹, James L. Carey MD, MPH²,

Brian J. Sennett MD²

¹University of Pennsylvania Hospital, Philadelphia, PA

²Penn Sports Medicine Center, Philadelphia, PA

11:10am–11:15am **Question and Answer**

11:15am–11:30am **Current Concepts: High Ankle Sprains**

Annunziato Amendola MD

University of Iowa Hospitals and Clinics, Iowa City, IA

11:30am–11:35am **Paper 14: Radiographic Identification of the Syndesmotom Structures of the Ankle**

Thomas O. Clanton MD¹, Brady T. Williams BS¹,

Evan William James MD¹, Kyle Jisa BS¹,

C. Thomas Haytmanek MD¹, Coen A. Wijdicks PhD¹,

Robert F. LaPrade MD, PhD¹

¹Steadman Philippon Research Institute, Vail, CO

11:35am–11:40am **Paper 15: Do Ankle Sleeves and Lace-up Braces Effect Neuromuscular Control and Athletic Performance?**

Blake Bodendorfer¹, Gary Stover¹,

Christopher Ryan James MD², Nicholas R. Arnold BS¹,

Ben Summerhays DPM¹, Aaron D. Gray MD¹,

Seth Lawrence Sherman MD¹

¹University of Missouri, Columbia, MO

²Missouri Orthopedic Institute, Columbia, MO

Conference Agenda

THURSDAY, JULY 9, 2015

Concurrent Session B (cont.)

- 11:40am–11:45am **Paper 16: Arthroscopic Treatment of Posterior Impingement of the Hindfoot**
Dominic S. Carreira MD¹, Anand Mahesh Vora MD², John Kozy¹
¹Broward Health, Ft. Lauderdale, FL
²Illinois Bone and Joint Institute, Libertyville, IL
- 11:45am–11:50am **Question and Answer**
- 11:50am–12:00pm **Current Concepts: Turf Toe Sesamoiditis**
Thomas O. Clanton MD
The Steadman Clinic, Vail, CO
- 12:00pm–12:05pm **Question and Answer**

Concurrent Session C: Biologics Floridian Ballroom J-L

- 11:00am–12:00pm **Biologics**
Moderators:
Steven P. Arnoczky DVM
Michigan State University, East Lansing, MI
Constance Chu MD
Stanford University, Redwood City, CA
- 11:00am–11:05am **Paper 17: The Use of Micronized Allograft Articular Cartilage (BioCartilage) and Platelet-Rich Plasma to Augment Marrow Stimulation in an Equine Model of Articular Cartilage Defects**
Brian J. Cole MD, MBA¹, Lisa A. Fortier DVM, PhD², James L. Cook DVM, PhD³, Jessica Cross BS², Hannah-Sophie Chapman BVSc², Brandon Roller MD³
¹Rush University Medical Center, Chicago, IL
²Cornell University, Ithaca, NY
³University of Missouri, Columbia, MO
- 11:05am–11:10am **Paper 18: The Effect of Recombinant Human Parathyroid Hormone (rhPTH) on Tendon-to-Bone Healing in a Rat Rotator Cuff Model**
Kyle R. Duchman MD¹, Jessica Goetz PhD¹, **Carolyn M. Hettrich MD, MPH¹**
¹University of Iowa Hospitals and Clinics, Iowa City, IA
- 11:10am–11:15am **Paper 19: The Cost-Effectiveness of Utilizing Platelet-Rich Plasma During Rotator Cuff Repair**
Eric M. Samuelson MD¹, James E. Fleischli MD²
¹CHI Health Alegant Creighton Clinic, Omaha, NE
²OrthoCarolina, Charlotte, NC
- 11:15am–11:25am **Question and Answer**
- 11:25am–11:40am **Update on Stem Cells and Platelet-Rich Plasma Treatment for Osteoarthritis and Articular Cartilage: Is the FDA Involved, and If So, How?**
Brian J. Cole MD, MBA
Rush University Medical Center, Chicago, IL
- 11:40am–11:55am **Hype vs. Science: Platelet-Rich Plasma Treatment vs. Stem Cells: Is There a Role for Biologics in Acute Muscle/Tendon Injury?**
James P. Bradley MD
University of Pittsburgh Medical Center, Pittsburgh, PA
- 11:55am–12:00pm **Question and Answer**

12:30pm–1:30pm Guided Poster Tours (see page 27 for details)

- 12:30pm–2:00pm **AOSSM Medical Publishing Group Reviewers' Workshop**
Citrus / Collier / Columbia

Afternoon General Session: Rotator Cuff I/ Team Coverage 2015–Floridian Ballroom A-I

- 1:30pm–2:30pm **Rotator Cuff I**
Moderators:
James Bicos MD
Performance Orthopedics, Bingham Farms, MI
C. Benjamin Ma MD
University of California at San Francisco, San Francisco, CA
- 1:30pm–1:40pm **Indications for Rotator Cuff Repair: Who to Fix**
John E. Kuhn MD
Vanderbilt Sports Medicine, Nashville, TN
- 1:40pm–1:50pm **Top Ten Rotator Cuff Issues in 2015**
Anthony A. Romeo MD
Midwest Orthopaedics, Chicago, IL
- 1:50pm–2:00pm **Partial Tear: General vs. Athlete**
John E. Conway MD
Orthopedic Specialty Associates, Texas Health Physicians Group, Fort Worth, TX
- 2:00pm–2:10pm **Surgical Spotlight: Double Row vs. Single Row**
Stephen S. Burkhart MD
San Antonio Orthopaedic Group, San Antonio, TX
- 2:10pm–2:20pm **Rehabilitation for Rotator Cuff Repair in 2015**
W. Ben Kibler MD
Lexington Sports Medicine Center, Lexington, KY
- 2:20pm–2:30pm **Question and Answer**
- 2:30pm–3:35pm **Team Coverage 2015: Who is Responsible for the Athlete?**
Moderator:
Peter A. Indelicato MD
University of Florida, Gainesville, FL
- 2:30pm–2:37pm **What Is the Problem?**
Annunziato Amendola MD
University of Iowa Hospitals & Clinics, Iowa City, IA
- 2:37pm–2:44pm **Who Does One Report to?**
Ron Courson (NATA Collaborative Speaker)
University of Georgia, Athens, GA
- 2:44pm–2:51pm **Organizing an Effective Team**
Margot Putukian MD (ACSM Collaborative Speaker)
Princeton University, Princeton, NJ
- 2:51pm–2:58pm **Primary Care Sports Medicine in 2015: How to Interface with Orthopods**
James C. Puffer MD (AMSSM Collaborative Speaker)
American Board of Family Practice, Lexington, KY
- 2:58pm–3:05pm **Athletic Administration and Its Role in Regulating Athletic Care**
Kerry Kenny
Big Ten Conference, New York, NY
- 3:05pm–3:35pm **Panel Discussion**
Moderator:
Peter A. Indelicato MD
University of Florida, Gainesville, FL
- 4:00pm–5:00pm **NIH Reviewer Information Session**
Broward

AOSSM gratefully acknowledges Smith and Nephew for an educational grant in support of Thursday's Team Coverage 2015 session.

Conference Agenda



#AOSSM2015

FRIDAY, JULY 10, 2015

6:45am–8:15am **Instructional Courses**7:30am–12:30pm **Exhibits**

Morning General Session: Shoulder Instability Floridian Ballroom A-I

Note: Live Surgical Demonstrations integrated throughout the day

8:30am–9:35am **Shoulder Instability: Bone Loss**

Moderators:

John E. Kuhn MD

Vanderbilt Sports Medicine, Nashville, TN

Joseph P. DeAngelis MD

Beth Israel Deaconess Medical Center Orthopaedics,
Boston, MA

8:30am–8:35am **Paper 20: The Effects of Latarjet Reconstruction on Glenohumeral Instability in the Presence of Combined Bony Defects**

Ronak Patel MD¹, Piyush Walia MS²,Lionel Gottschalk MD³, Morgan H. Jones MD²,Stephen D. Fening PhD⁴, Anthony Miniaci MD³¹Hinsdale Orthopaedics Associates, Hinsdale, IL²Cleveland Clinic, Cleveland, OH³Cleveland Clinic Foundation, Garfield Heights, OH⁴Case Western Reserve University, Akron, OH

8:35am–8:40am **Paper 21: Clinical Outcomes following Revision Anterior Shoulder Stabilization: Arthroscopic Revision Stabilization vs. Latarjet**

Rachel M. Frank MD¹, Chris Mellano MD²,Jason J. Shin MD¹, Terrence F. Feldheim BS¹,Randhir Mascarenhas MD¹, Adam Blair Yanke MD¹,Brian J. Cole MD, MBA¹, Gregory P. Nicholson MD¹,Anthony A. Romeo MD¹, Nikhil N. Verma MD¹¹Rush University Medical Center, Chicago, IL²Orthopedic Surgical Specialists, Torrance, CA

8:40am–8:45am **Paper 22: Recurrent Anterior Shoulder Instability with Combined Bone Loss: Treatment and Results with the Modified Latarjet Procedure**

Justin Shu Yang MD¹, Augustus D. Mazzocca MD, MS¹,Robert A. Arciero MD¹¹University of Connecticut, Farmington, CT

8:45am–8:50am **Question and Answer**

8:50am–8:55am **Point/Counterpoint: Treatment of Instability in Athletes: Open Bankart**

Michael J. Pagnani MD

Nashville Knee & Shoulder Center, Nashville, TN

8:55am–9:00am **Point/Counterpoint: Treatment of Instability in Athletes: Latarjet**

Matthew Provencher MD

Massachusetts General Hospital, Boston, MA

9:00am–9:05am **Question and Answer**

9:05am–9:35am **Live Surgical Demo: Open Bankart**

Moderator:

Brett D. Owens MD

Brown University, Providence, RI

Surgeon:

Dean C. Taylor MD

Duke Sports Medicine, Durham, NC

9:35am–9:45am **Question and Answer**

9:45am–10:05am **Shoulder Instability: Soft Tissue**

Moderators:

Mark S. Schickendantz MD

Cleveland Clinic Sports Health, Cleveland, OH

E. Lyle Cain MD

Andrews Sports Medicine, Birmingham, AL

9:45am–9:50am **Paper 23: AOSSM Fellow Research Award in Clinical Science: Improved Return to Play in Intercollegiate Contact Athletes following Arthroscopic Stabilization for Anterior Shoulder Instability: A Prospective Multicenter Study**

Jonathan F. Dickens MD¹, John Paul H. Rue MD²,Kenneth L. Cameron PhD, MPH, ATC³,Kelly G. Kilcoyne MD⁴, C. Dain Allred MD⁵,Steven J. Svoboda MD³, Robert T. Sullivan MD⁶,John M. Tokish MD⁷, Karen Y. Peck MD, ATC³,**Brett D. Owens MD⁸**¹Walter Reed National Military Medical Center, Bethesda, MD²NHC Annapolis, Annapolis, MD³Keller Army Hospital, West Point, NY⁴William Beaumont Army Medical Center, El Paso, TX⁵US Air Force Academy / 10 MDG, USAF Academy, CO⁶96th Medical Group, Eglin AFB, FL⁷Steadman Hawkins Clinic of the Carolinas, Greenville, SC⁸Brown University, Providence, RI

9:50am–9:55am **Paper 24: The Epidemiology of Primary Anterior Shoulder Dislocations in Patients Aged 10–16 Years and Age-Stratified Risk of Recurrence**

Timothy Leroux MD, MEd¹, Darrell Ogilvie-Harris²,Christian Veillette MD, MSc, FRCSC¹,Jaskarndip Chahal MD, FRCSC³, Tim Dwyer MD¹, MBBS¹Patrick Henry MD, FRCSC¹, Amir Khoshbin MD¹,Nizar Mahomed MD, ScD, MPH, FRCSC¹,David Wasserstein MD, MSc, FRCSC⁴¹University of Toronto, Toronto, ON, Canada²UHN, Toronto, ON, Canada³Toronto Western Hospital, Toronto, ON, Canada⁴Sunnybrook Health Sciences Centre,
North York, ON, Canada

9:55am–10:00am **Paper 25: Outcomes following Arthroscopic Pancapsular Shift for the Treatment of Multidirectional Instability**

Martin Brett Raynor MD¹, Marilee P. Horan MPH¹,Joshua A. Greenspoon BSc¹, Peter J. Millett MD, MSc¹¹Steadman Philippon Research Institute, Vail, CO

10:00am–10:05am **Question and Answer**

10:05am–10:15am **Hall of Fame Presentation**

10:15am–10:20am **Introduction to Presidential Address**

Jo A. Hannafin MD, PhD

Hospital for Special Surgery, New York, NY

10:20am–10:50am **Presidential Address**

Robert A. Arciero MD

University of Connecticut, Farmington, CT

10:50am–11:30am **BREAK**

11:00am–11:30am **Meet the Editors of AJSM, OJSM and Sports Health** AOSSM Resource Center-Exhibit Hall

Conference Agenda

FRIDAY, JULY 10, 2015

Concurrent Session A: Hip I Femoroacetabular Impingement Floridian Ballroom A-I

11:30am–12:30pm Hip I–Femoroacetabular Impingement

Moderator:

Brian D. Busconi MD
UMass Memorial Health Care, Worcester, MA

11:30am–11:55am Live Surgical Demonstration: Femoroacetabular Impingement

Christopher M. Larson MD
Minnesota Orthopaedic Sports Medicine Institute at Twin Cities Orthopedics, Edina, MN

11:55am–12:00pm Question and Answer

12:00pm–12:05pm Paper 26: Outcomes of Hip Arthroscopy for Patients with Symptomatic Borderline Dysplasia: A Comparison to a Matched Cohort of Patients with Symptomatic FAI

Danyal H. Nawabi MD¹, Asheesh Bedi MD²,
Anil S. Ranawat MD¹, Bryan T. Kelly MD¹

¹Hospital for Special Surgery, New York, NY

²MedSport, University of Michigan, Ann Arbor, MI

12:05pm–12:10pm Paper 27: Is MRI Subchondral Acetabular Edema or Cystic Change a Contraindication for Hip Arthroscopy in Patients with FAI?

Aaron John Krych MD¹, Alexander Harrison King BS¹,
Rebecca L. Berardelli¹, Paul L. So MBA¹, Bruce A. Levy MD¹

¹Mayo Clinic, Rochester, MN

12:10pm–12:15pm Paper 28: Arthroscopic Treatment of FAI in Adolescent Athletes

J. W. Thomas Byrd MD¹, Kay S. Jones MSN, RN¹

¹Nashville Sports Medicine Foundation, Nashville, TN

12:15pm–12:20pm Paper 29: The Impact of Preoperative Planning Software on Arthroscopic Correction of Femoroacetabular Impingement

George P. Ackerman MD¹, Malachy P. McHugh PhD¹,
Srino Bharam MD¹

¹Lenox Hill Hospital, New York, NY

12:20pm–12:30pm Question and Answer

Concurrent Session B: SLAP/Biceps/Posterior Instability/MDI Floridian Ballroom J-L

11:30am–12:30pm SLAP/Biceps/Posterior Instability/MDI

Moderators:

Neal S. ElAttrache MD
Kerlan-Jobe Orthopaedic Clinic, Los Angeles, CA

Grant L. Jones MD
The Ohio State University, Columbus, OH

11:30am–11:40am SLAP Lesions in Throwing Athletes

Michael G. Ciccotti MD
Rothman Institute at Jefferson, Philadelphia, PA

11:40am–11:50am Biceps Concepts 2015: Throwers and Non-Throwers

Laurence D. Higgins MD
Brigham and Women's Hospital, Boston, MA

11:50am–11:55am Paper 30: The Role of MRI in Diagnosing Biceps Chondromalacia

Stephen J. O'Brien MD, MBA¹, Mary Shorey BA¹,

Samuel A. Taylor MD¹, Joshua S. Dines MD¹,

Hollis G. Potter MD¹, Joseph Nguyen MPH¹

¹Hospital for Special Surgery, New York, NY

11:55am–12:00pm Question and Answer

12:00pm–12:05pm Posterior Instability: Bone Retroversion and Graft

James P. Bradley MD
University of Pittsburgh Medical Center, Pittsburgh, PA

12:05pm–12:10pm Posterior Instability: Soft Tissue Only

Anthony A. Romeo MD
Rush University Medical Center, Chicago, IL

12:10pm–12:15pm MDI—How Classification and Diagnoses Help Treatment and Return to Sport

Warren Dunn MD MPH
University of Wisconsin, Madison, WI

12:15pm–12:20pm Open and Arthroscopic Surgery for Hyperlaxity—When to Do It and How to Return to Sport

William N. Levine MD
Columbia-Presbyterian Medical Center, New York, NY

12:20pm–12:30pm Question and Answer

Conference Agenda



#AOSSM2015

CONFERENCE AGENDA

FRIDAY, JULY 10, 2015

Concurrent Session C: Education Trends in Sports Medicine Citrus / Collier / Columbia

- 11:30am – 12:30pm Education Trends in Sports Medicine**
Moderators:
Charles A. Bush-Joseph MD
Rush University Medical Center, Chicago, IL
Volker Musahl MD
University of Pittsburgh Medical Center, Pittsburgh, PA
- 11:30am – 11:35am Paper 31: Open-Access Video-Based Orthopaedic Instructional Content is Inaccurate**
Ekaterina Y. Urch¹, Samuel A. Taylor MD¹, Elizabeth Cody MD¹, Peter D. Fabricant MD, MPH², Jayme Burket PhD¹, Stephen J. O'Brien MD, MBA¹, David M. Dines MD¹, Joshua S. Dines MD¹
¹Hospital for Special Surgery, New York, NY
²Children's Hospital of Philadelphia, Philadelphia, PA
- 11:35am – 11:40am Paper 32: Use of an Objective Structured Assessment of Technical Skill (OSATS) after a Sports Rotation**
Tim Dwyer MD¹, MBBS¹, Jesse Alan Slade Shantz MD, MBA¹, Jaskarndip Chahal MD, FRCS¹, David Wasserstein MD¹, Rachel Schachar MD¹, Brian M. Devitt MD¹, John S. Theodoropoulos MD, FRCS¹, Darrell Ogilvie-Harris FRCS¹
¹University of Toronto, Toronto, ON, Canada
- 11:40am – 11:45am Paper 33: Validation of a Dry Model for the Assessment of Resident Performance of Anterior Cruciate Ligament Reconstruction (ACLR)**
Tim Dwyer MD¹, MBBS¹, Jesse Alan Slade Shantz MD, MBA¹, Jaskarndip Chahal MD, FRCS¹, **David Wasserstein MD¹**, Rachel Schachar MD¹, Brian M. Devitt MD¹, John S. Theodoropoulos MD, FRCS¹, Darrell Ogilvie-Harris FRCS¹
¹University of Toronto, Toronto, ON, Canada
- 11:45am – 11:50am Paper 34: Assessing Improvement in Diagnostic Knee Arthroscopic Skill During the AAOS Fundamentals of Knee and Shoulder Arthroscopy Course for Orthopaedic Residents**
Gregg T. Nicandri MD¹, Andrew J. Cosgarea MD², Mark R. Hutchinson MD³, Hussein A. Elkousy MD⁴
¹University of Rochester, Rochester, NY
²Johns Hopkins Sports Medicine, Lutherville, MD
³University of Illinois, Chicago, IL
⁴Fondren Orthopaedic Group, Houston, TX
- 11:50am – 12:00pm Question and Answer**
- 12:00pm – 12:10pm ACGME Changes in Fellowship Requirements: Are They Improving or Impeding Education? Stand-alone / Non-university-Affiliated Fellowships**
Jeffrey R. Dugas MD
Andrews Sports Medicine & Orthopaedic Center, Birmingham, AL
- 12:10pm – 12:20pm University-based Programs**
Keith Kenter MD
University of Cincinnati, Cincinnati, OH
- 12:20pm – 12:30pm Question and Answer**

Afternoon General Session: Meniscus / Cartilage Floridian Ballroom A-I

- 2:00pm – 3:25pm Meniscus**
Moderators:
Christopher D. Harner MD
University of Pittsburgh Medical Center, Pittsburgh, PA
Matthew J. Matava MD
Washington University Orthopedics, Chesterfield, MO
- 2:00pm – 2:05pm Paper 35: Herodicus Award: The Fate of Meniscus Tears Left at the Time of Anterior Cruciate Ligament Reconstruction: A 6-Year Follow-up Study from the MOON Cohort**
Kyle R. Duchman MD¹, Robert W. Westermann MD¹, Kurt P. Spindler MD², Annunziato Amendola MD¹, Brian R. Wolf MD, MS¹, Richard D. Parker MD², Jack T. Andrish MD², Laura J. Withrow MS³, Emily Reinke PhD³, Christopher C. Kaeding MD⁴, Rick W. Wright MD⁵, Robert G. Marx MD, MSc, FRCS⁶, Eric C. McCarty MD⁷, Michelle Lora Wolcott MD⁷, Warren R. Dunn MD, MPH⁸
¹University of Iowa Hospitals and Clinics, Iowa City, IA
²Cleveland Clinic, Cleveland, OH
³Vanderbilt Orthopaedic Institute, Nashville, TN
⁴The Ohio State University, Columbus, OH
⁵Washington University, St. Louis, MO
⁶Hospital for Special Surgery, New York, NY
⁷University of Colorado, Boulder, CO
⁸University of Wisconsin, Madison, WI
- 2:05pm – 2:10pm Paper 36: Association of Meniscal Status and Lower Extremity Alignment with Chondrosis at the Time of Revision ACL Reconstruction**
Robert H. Brophy MD¹, Amanda Haas MA¹, Laura J. Huston MS², Samuel K. Nwosu¹, MARS Group¹, Rick W. Wright MD¹
¹Washington University, St. Louis, MO
²Vanderbilt University, Nashville, TN
- 2:10pm – 2:15pm Paper 37: Outcomes after Anterior Cruciate Ligament Reconstruction Using the Norwegian Knee Ligament Registry of 14,142 Patients: How does Meniscal Repair or Resection Affect Short-term Outcomes?**
Christopher M. LaPrade BA¹, Grant Dornan², Lars-Petter Granan MD, PhD¹, Robert F. LaPrade MD, PhD³, Lars Engebretsen MD, PhD⁴
¹Oslo Sports Trauma Research Center, Norwegian School of Sport Sciences, Oslo, Norway
²Steadman Philippon Research Institute, Vail, CO
³The Steadman Clinic, Vail, CO
⁴Oslo University Hospital-Ullevaal, Oslo, Norway
- 2:15pm – 2:25pm Paper 38: Cabaud Award Presentation: Transcriptomic Signatures of Meniscal Tears and Articular Cartilage from Knees Undergoing Arthroscopic Partial Meniscectomy Show Evidence for Early Osteoarthritis**
Robert H. Brophy MD¹, Linda Sandell MD¹, Rick W. Wright MD¹, Muhammad Farooq Rai PhD¹
¹Washington University, St. Louis, MO
- 2:25pm – 2:35pm Question and Answer**

Conference Agenda

FRIDAY, JULY 10, 2015

Afternoon General Session (cont.)

2:35pm–3:10pm **Live Surgical Demonstration: Meniscal Root Repair**

Moderator:

Bert R. Mandelbaum MD
Santa Monica Orthopaedic and Sports Medicine,
Santa Monica, CA

2:35pm–3:05pm *Surgeon:*

Robert F. LaPrade MD, PhD
The Steadman Clinic, Vail, CO

3:05pm–3:10pm **Question and Answer**

3:10pm–3:20pm **Rapid Fire Case Presentation: Meniscus Treatment**

Moderator:

Darren L. Johnson MD
University of Kentucky Sports Medicine, Lexington, KY

Panelists:

James R. Andrews MD
Andrews Institute, Gulf Breeze, FL
Richard D. Parker MD
Cleveland Clinic Foundation, Cleveland, OH
Bradley J. Nelson MD
University of Minnesota, Minneapolis, MN
Robert A. Stanton MD
Orthopaedic Specialty Group, Fairfield, CT
Steven J. Svoboda MD
Keller Army Hospital, West Point, NY

3:20pm–3:25pm **Question and Answer**

3:25pm–4:55pm **Cartilage**

Moderators:

Scott Rodeo MD
Hospital for Special Surgery, New York, NY
Thomas R. Carter MD
The Orthopedic Clinic Association, Phoenix, AZ

3:25pm–3:30pm **Paper 39: Inter- and Intra-Rater Reliability of Predictive Models for the Non-Operative Healing Potential of Stable Juvenile Osteochondritis Dissecans (JOCD) Knee Lesions**

Jonathan D. Haskel BA¹, Tyler J. Uppstrom BA²,
Elizabeth Bishop Gausden MD², Russell Meyer MD²,
Yong-Woon Shin MD², Joseph Nguyen MPH²,

Daniel W. Green MD²

¹Robert Wood Johnson Medical School, Piscataway, NJ

²Hospital for Special Surgery, New York, NY

3:30pm–3:35pm **Paper 40: Importance of Donor Chondrocyte Viability in Osteochondral Allografting**

James P. Stannard MD¹, James L. Cook DVM, PhD²,
Aaron M. Stoker PhD², Chantelle C. Bozynski DVM²,
Keiichi Kuroki DVM², Cristi R. Cook DVM²,
Ferris Pfeiffer PhD²

¹Missouri Orthopaedic Institute, Columbia, MO

²University of Missouri, Columbia, MO

3:35pm–3:40pm **Paper 41: Decellularized Osteochondral Allograft for the Treatment of Cartilage Lesions in the Knee**

Jack Farr MD¹, Guilherme Gracitelli MD²,
Andreas H. Gomoll MD³

¹OrthoIndy South, Greenwood, IN

²Federal University of Sao Paulo, São Paulo, Brazil

³Brigham and Women's Hospital, Chestnut Hill, MA

3:40pm–3:45pm **Question and Answer**

3:45pm–4:15pm **Live Surgical Demonstration: Large OCD: Osteoarticular Transfer System and Allograft**

Moderator:

Robert H. Brophy MD
Washington University, St. Louis, MO

Surgeon:

Eric C. McCarty MD
University of Colorado, Boulder, CO

4:15pm–4:20pm **Question and Answer**

4:20pm–4:30pm **Update on Stem Cells and PRP for Cartilage**

Jason L. Dragoo MD
Stanford University, Redwood City, CA

4:30pm–4:50pm **Panel Discussion: What Do You Use and Why for Cartilage Treatment?**

Moderator:

Christian Lattermann MD
University of Kentucky, Lexington, KY

Panelists:

4:30pm–4:35pm Andreas H. Gomoll MD
Brigham and Women's Hospital, Chestnut Hill, MA

4:35pm–4:40pm Robert H. Brophy MD
Washington University, St. Louis, MO

4:40pm–4:45pm Jack Farr II, MD
OrthoIndy South, Bargersville, IN

4:45pm–4:50pm Mark D. Miller MD
University of Virginia, Charlottesville, VA

4:50pm–4:55pm **Question and Answer**

4:55pm–5:25pm **Business Meeting**

AOSSM gratefully acknowledges DePuy Synthes Mitek Sports Medicine, Smith & Nephew, and Stryker for educational grants in support of the Live Surgical Demonstrations.

AOSSM gratefully acknowledges Vericel for an educational grant in support of Friday's General Session.

Conference Agenda



#AOSSM2015

CONFERENCE AGENDA

SATURDAY, JULY 11, 2015

6:45am–8:15am **Instructional Courses**7:30am–12:30pm **Exhibits**

Morning General Session: Rotator Cuff II Floridian Ballroom A-I

8:30am–9:30am **Rotator Cuff II**

Moderators:

Allison P. Toth MD

Duke University, Durham, NC

Felix H. Savoie III, MD

Tulane University, New Orleans, LA

8:30am–8:35am **Paper 42: Two-Year Outcomes following Arthroscopic Rotator Cuff Repair in Recreational Athletes Over 70 Years of Age**

Sanjeev Bhatia MD¹, Joshua A. Greenspoon BSc¹,
Marilee P. Horan MPH¹, Ryan J. Warth MD¹,
Peter J. Millett MD, MSc²¹Steadman Philippon Research Institute, Vail, CO²Steadman Clinic, Vail, CO

8:35am–8:40am **Paper 43: Factors Related to Improved Quality of Life in Operative and Non-Operative RCT Patients**

Christopher Robbins PhD¹, James E. Carpenter MD¹,
Asheesh Bedi MD¹, Joel Joseph Gagnier MD, PhD¹,
Bruce S. Miller MD, MS¹¹University of Michigan, Ann Arbor, MI

8:40am–8:45am **Paper 44: Clinical Outcomes and Structural Healing after Arthroscopic Rotator Cuff Repair Reinforced with a Novel Absorbable Biologic Scaffold: A Prospective, Multicenter Trial**

Scott Barbash MD¹, Claire Denny PA-C²,
Philippe Collin MD³, Timothy Reish MD⁴,
Stephen F. Brockmeier MD²¹University of Virginia Program, Charlottesville, VA²UVA–Orthopaedics, Charlottesville, VA³Centre Hospitalier Privé Saint Grégoire,
St-Grégoire, France⁴ISK Institute, New York, NY

8:45am–8:50am **Question and Answer**

8:50am–9:00am **Update on Rotator Cuff: Patch**

Anthony Miniaci MD

Cleveland Clinic, Cleveland, OH

9:00am–9:10am **Update on Rotator Cuff: Healing / Biology**

Scott Rodeo MD

Hospital for Special Surgery, New York, NY

9:10am–9:20am **Revision Rotator Cuff Repair**

Guillermo Arce MD

Sociedad Latinoamericana de Artroscofia Rodilla y Deporte
(SLARD), Buenos Aires, Argentina

9:20am–9:30am **Question and Answer**

9:30am–9:35am **Introduction to Presidential Guest Speaker**

Robert A. Arciero MD

University of Connecticut, Farmington, CT

9:35am–10:05am **Presidential Guest Speaker**

Best Seat in the House

John Feinstein

10:05am–10:15am **Robert E. Leach Sports Medicine Leadership Award**

10:15am–10:20am **Presidential Medallion Exchange**

10:20am–11:00am **BREAK**

Concurrent Session A: Multi-Ligament Knee / Pediatric Knee Floridian Ballroom A-I

11:00am–11:55am **Multi-Ligament Knee**

Moderators:

David R. McAllister MD

University of California at Los Angeles, Los Angeles, CA

Edward M. Wojtys MD

Medsport, University of Michigan, Ann Arbor, MI

11:00am–11:05am **Paper 45: Patients with an Isolated PCL Injury Improve as Much as the ACL Patients from Surgery Measured by KOOS after 2 Years**

Christian Owesen MD¹, Einar Sivertsen MD, PhD¹,
Lars Engebretsen MD, PhD², Lars-Petter Granan MD, PhD³,
Asbjørn Aroen MD, PhD¹¹Akershus University Hospital, Lørenskog, Norway²Oslo University Hospital-Ullevaal, Oslo, Norway³Norges Idrettshøgskole, Oslo, Norway

11:05am–11:10am **Paper 46: Quality of Life and Functional Outcomes after Multi-Ligament Knee Reconstruction**

Anthony Yi¹, Dhanur Damodar¹, Michael Dacey¹,
Diego Villacis MD¹, **George F. Hatch MD¹**¹University of Southern California, Los Angeles, CA

11:10am–11:15am **Question and Answer**

11:15am–11:21am **Debate: MCL: Don't Fix**

Peter A. Indelicato MD

University of Florida, Gainesville, FL

11:21am–11:27am **Debate: MCL: Fix**

Darren L. Johnson MD

University of Kentucky Sports Medicine, Lexington, KY

11:27am–11:33am **Debate: MCL: Reconstruction**

Daniel C. Wascher MD

University of New Mexico, Albuquerque, NM

11:33am–11:40am **Question and Answer**

Moderator:

Allen F. Anderson MD

Tennessee Orthopaedic Alliance, Nashville, TN

11:40am–11:50am **Surgical Spotlight: PLC**

Richard D. Parker MD

The Cleveland Clinic Foundation, Cleveland, OH

11:50am–11:55am **Question and Answer**

Conference Agenda

SATURDAY, JULY 11, 2015

Concurrent Session A: Multi-Ligament Knee / Pediatric Knee (cont.)

11:55am – 12:30pm Pediatric Knee

Moderators:

Theodore J. Ganley MD
The Children's Hospital of Philadelphia, Philadelphia, PA
Jay C. Albright MD
Children's Hospital of Colorado, Aurora, CO

11:55am – 12:00pm **Paper 48: Variation in Surgical Treatment of Knee Osteochondritis Dissecans (OCD) Among High-Volume OCD Surgeons**

Benton E. Heyworth MD¹, Eric W. Edmonds MD²,
Mininder S. Kocher MD, MPH¹, **Kevin G. Shea MD³**,
Carl W. Nissen MD⁴, Theodore J. Ganley MD⁵,
Michael Lucas Murnaghan MD⁶
¹Boston Children's Hospital, Boston, MA
²Rady Children's Specialists San Diego, San Diego, CA
³Intermountain Orthopaedics, Boise, ID
⁴Connecticut Children's Medical Center, Farmington, CT
⁵The Children's Hospital of Philadelphia, Philadelphia, PA
⁶University of Toronto, Toronto, ON, Canada

12:00pm – 12:05pm **Paper 49: Revision Meniscus Surgery in Children and Adolescents: The Effect of Skeletal Immaturity**

Alvin Shieh¹, Eric W. Edmonds MD²,
Andrew T. Pennock MD³
¹University of California, San Diego, San Diego, CA
²Rady Children's Specialists San Diego, San Diego, CA
³Rady Children's Hospital, San Diego, CA

12:05pm – 12:10pm **Paper 50: All-Inside, All-Epiphyseal ACL Reconstruction In Skeletally Immature Athletes: Incidence of Second Surgery and Two-Year Clinical Outcomes**

Frank A. Cordasco MD, MS¹, Stephanie W. Mayer MD, MS¹,
Jessica Graziano¹, Polly deMille¹, Theresa Chiaia PT¹,
Moirá McCarthy MD¹, Danyal H. Nawabi MD¹,
Daniel W. Green MD¹
¹Hospital for Special Surgery, New York, NY

12:10pm – 12:15pm **Question and Answer**

12:15pm – 12:20pm **Management of Skeletally Immature: To Cross the Growth Plate**

Frank Cordasco MD, MS
Hospital for Special Surgery, New York, NY

12:20pm – 12:25pm **Management of Skeletally Immature: Not to Cross the Growth Plate**

George A. Paletta Jr., MD
The Orthopedic Center of St. Louis, Chesterfield, MO

12:25pm – 12:30pm **Question and Answer**

12:30pm – 1:00pm Guided Poster Tours (see page 27 for details)

Concurrent Session B: Clavicle Fracture / Throwing Elbow Citrus / Collier / Columbia

11:00am – 11:45am Clavicle Fracture

Moderators:

Matthew Bollier MD
University of Iowa Hospitals & Clinics, Iowa City, IA
James E. Carpenter MD
University of Michigan, Ann Arbor, MI

11:00am – 11:05am **Paper 51: The Displacement of the Clavicle is a Better Predictor of Surgical Intervention in the Non-Operatively Treated Acromioclavicular Dislocation than the Increase in Coracoclavicular Distance**

Kevin P. Krul MD¹, Jay B. Cook MD¹, J. Matthew Cage MD¹,
Douglas J. Rowles MD¹, Craig R. Bottoni MD¹,
John M. Tokish MD²
¹Tripler Army Medical Center, Honolulu, HI
²Steadman Hawkins Clinic of the Carolinas, Greenville, SC

11:05am – 11:10am **Paper 52: Outcomes of Operatively Treated Non-Unions and Symptomatic Mal-Unions of Adolescent Diaphyseal Clavicle Fractures**

Sasha Carsen MD, MBA¹, Donald S. Bae MD²,
Mininder S. Kocher MD, MPH², Peter M. Waters MD²,
Kyna Donohue BS², **Benton E. Heyworth MD²**
¹BC Children's Hospital, Vancouver, BC, Canada
²Boston Children's Hospital, Boston, MA

11:10am – 11:15am **Paper 53: Clinical Results following Non-Operative Management for Grade III Acromioclavicular Joint Injuries: Does Eventual Surgery Affect Overall Outcomes?**

Maximilian Petri MD¹, Ryan J. Warth MD¹,
Joshua A. Greenspoon BSc¹, Marilee P. Horan MPH¹,
Peter J. Millett MD, MSc²
¹Steadman Philippon Research Institute, Vail, CO
²Steadman Clinic, Vail, CO

11:15am – 11:25am **Question and Answer**

11:25am – 11:35am **Update on When to Fix Clavicle Fractures**

James L. Carey MD, MPH
Penn Sports Medicine Center, Philadelphia, PA

11:35am – 11:45am **Question and Answer**

11:45am – 12:30pm Throwing Elbow

Moderators:

Christopher S. Ahmad MD
Columbia University, New York, NY
Jeffrey R. Dugas MD
Andrews Sports Medicine & Orthopaedic Center,
Birmingham, AL

Conference Agenda



#AOSSM2015

CONFERENCE AGENDA

SATURDAY, JULY 11, 2015

- 11:45am–11:50am **Paper 54: Humeral Torsion as a Risk Factor for Shoulder and Elbow Injury in Professional Baseball Pitchers**
Thomas J. Noonan MD¹, Charles A. Thigpen PT, PhD, ATC², Lane Brooks Bailey DPT², Douglas J. Wyland MD³, Michael J. Kissenberth MD³, Richard J. Hawkins MD, FRCSC³, Ellen Shanley PhD²
¹Steadman Hawkins Clinic Denver, Greenwood Village, CO
²Proaxis Therapy, Greenville, SC
³Steadman-Hawkins Clinic of the Carolinas, Spartanburg, SC
- 11:50am–11:55am **Paper 56: Association between Scapular Asymmetry and Shoulder Pain in Juvenile Baseball Players**
Kenichi Otoshi MD, PhD
 Fukushima Medical University, Fukushima, Japan
- 11:55am–12:00pm **Paper 57: Professional Pitchers Display Differences in Ulnar Collateral Ligament Morphology and Elbow Gapping following UCLR Compared to Uninjured Pitchers**
Michael J. Kissenberth MD¹, Charles A. Thigpen PT, PhD, ATC², Lane Brooks Bailey DPT³, Mark L. Schweppe MD⁴, Derik J. Geist MD⁵, Douglas J. Wyland MD⁵, Richard J. Hawkins MD, FRCSC¹, Thomas J. Noonan MD⁶, Ellen Shanley PhD²
¹Steadman Hawkins Clinic of the Carolinas, Greenville, SC
²Proaxis Therapy, Greenville, SC
³Ironman Sports Medicine Institute–Memorial Hermann, Houston, TX
⁴Novant Health Orthopedics & Sports Medicine, Winston Salem, NC
⁵Steadman-Hawkins Clinic of the Carolinas, Spartanburg, SC
⁶Steadman Hawkins Clinic Denver, Greenwood Village, CO
- 12:00pm–12:10pm **Question and Answer**
- 12:10pm–12:15pm **Update on Elbow MCL**
 Thomas R. Hackett MD
 The Steadman Clinic, Vail, CO
- 12:15pm–12:20pm **Osteoarticular Transfer for OCD Lesions**
 Brian R. Wolf MD, MS
 University of Iowa Hospitals & Clinics, Iowa City, IA
- 12:20pm–12:30pm **Question and Answer**

Concurrent Session C: Hip II Floridian Ballroom J-L

- 11:00am–12:30pm **Hip II**
Moderators:
 Asheesh Bedi MD
 University of Michigan, Ann Arbor, MI
 J. W. Thomas Byrd MD
 Nashville Sports Medicine Foundation, Nashville, TN
- 11:00am–11:05am **Paper 58: Return to Sports in a General Hip Arthroscopy Cohort: Minimum Two-Year Follow-up**
 Benjamin G. Domb MD¹, Kevin F. Dunne BS¹, Tim Martin MA¹, Chengcheng Gui BSE¹, Nathan Finch MA¹, Christine E. Stake DHA¹, **John M. Redmond MD⁴**
¹Hinsdale Orthopaedics and American Hip Institute, Westmont, IL
- 11:05am–11:10am **Paper 59: Pre-Operative Femoral Nerve Block for Hip Arthroscopy: A Randomized Controlled Trial**
Jerry G. Xing MD¹, Faraj W. Abdallah MD², Stephanie Oldfield³, Andrew Dold MD¹, Michael Lucas Murnaghan MD³, Richard Brull MD³, Daniel B. Whelan MD³
¹University of Toronto, Toronto, ON, Canada
²St. Michael's Hospital, Toronto, ON, Canada
³Women's College Hospital, Toronto, ON, Canada
- 11:10am–11:15am **Paper 60: Magnetic Resonance Arthrography and the Prevalence of Acetabular Labral Tears in Patients 50 Years of Age and Older: Is it Really Indicated?**
Rohit Jayakar BA¹, Alexa Merz MD¹, Benjamin Plotkin MD¹, Dean Wang MD¹, Leanne L. Seeger MD¹, Sharon L. Hame MD¹
¹University of California at Los Angeles, Los Angeles, CA
- 11:15am–11:20am **Question and Answer**
- 11:20am–11:27am **Hip Labral Tear /Repair and Bone Removal: Less Is More**
 Thomas M. DeBerardino MD
 University of Connecticut, Farmington, CT
- 11:27am–11:34am **Hip Labral Tear /Repair and Bone Removal: Go Big or Go Home**
 Marc R. Safran MD
 Stanford University, Redwood City, CA
- 11:34am–11:40am **Question and Answer**
- 11:40am–11:45am **Paper 61: Labral Reconstruction with Iliotibial Band Autograft and Semitendinosus Allograft Improves Hip Joint Contact Area and Contact Pressure: An In-Vitro Analysis**
 Simon Lee MPH¹, Thomas H. Wuerz MD¹, Elizabeth Shewman MS¹, Francis McCormick MD², Michael Jonathan Salata MD³, Marc J. Philippon MD⁴, **Shane Jay Nho MD, MS¹**
¹Rush University Medical Center, Chicago, IL
²Harvard Medical School, Cambridge, MA
³University Hospitals Case Medical Center, Shaker Heights, OH
⁴Steadman Clinic, Vail, CO

Conference Agenda

SATURDAY, JULY 11, 2015

Concurrent Session C (cont.)

- 11:45am – 11:50am **Paper 62: A Comparison of Non-Operative and Operative Treatment of Complete Proximal Hamstring Ruptures**
Joshua Olsen MD¹, Ethan L. Kellum MD¹,
Edward Lacerte PT, MEd, SCS, ATC/L, CSCS¹,
Suzanne Laura Miller MD²
¹New England Baptist Hospital, Boston, MA
²Boston Sports and Shoulder Center, Chestnut Hill, MA
- 11:50am – 11:55am **Paper 63: A Comparison of Open and Endoscopic Repair of Full-Thickness Tears of the Gluteus Medius Tendon at a Minimum of 2-Years Follow-up**
Danyal H. Nawabi MD¹, Catherine Wentzel MD¹,
Anil S. Ranawat MD¹, Asheesh Bedi MD²,
Bryan T. Kelly MD¹
¹Hospital for Special Surgery, New York, NY
²University of Michigan, Ann Arbor, MI
- 11:55am – 12:05pm **Question and Answer**
- 12:05pm – 12:20pm **Surgical Spotlight: Gluteus Medius Repair**
Bryan T. Kelly MD
Hospital for Special Surgery, New York, NY
- 12:20pm – 12:30pm **Question and Answer**

AOSSM gratefully acknowledges Stryker for an educational grant in support of Saturday's General Session.

- 1:00pm – 3:00pm **Young Sports Medicine Specialists' Workshop: Your Practice – Your Way**
Nassau
- 1:00pm – 4:30pm **Research Workshop: Empirical Answers to Burning Clinical Questions**
Floridian Ballroom L-J

SUNDAY, JULY 12, 2015

6:45am – 8:15am **Instructional Courses**

Morning General Session – Floridian Ballroom A-I

- 8:30am – 8:45am **Traveling Fellows Presentation**
Moderator:
Constance Chu MD
Stanford University, Redwood City, CA
- 8:30am – 8:35am **SLARD Godfather**
David Figueroa MD
Clínica Alemana, Santiago de Chile, Chile
- 8:35am – 8:40am **ESSKA Godfather**
João Espregueira-Mendes MD, PhD
Clínica do Dragão – Espregueira-Mendes Sports Centre – FIFA Medical Centre of Excellence, Porto, Portugal
- 8:40am – 8:45am **AOSSM Traveling Fellow**
Luke S. Oh MD
Massachusetts General Hospital, Boston, MA
- 8:45am – 9:10am **NATA Exchange Lecture**
Sandra J. Shultz PhD, ATC
University of North Carolina Greensboro, Greensboro, NC
- 9:10am – 9:25am **Shoulder Basic Science**
Moderators:
Carolyn M. Hettrich MD, MPH
University of Iowa Hospitals & Clinics, Iowa City, IA
James E. Tibone MD
University of Southern California Orthopaedics
Los Angeles, CA
- 9:10am – 9:15am **Paper 64: Predictive Value and Clinical Validation of the "On-Track" vs. "Off-Track" Concept in Bipolar Bone Loss in Anterior Glenohumeral Instability**
John M. Tokish MD¹, James S. Shaha MD²,
Jay B. Cook MD², Douglas J. Rowles MD²,
Steven H. Shaha PhD, DBA³, Craig R. Bottoni MD²
¹Steadman Hawkins Clinic of the Carolinas, Greenville, SC
²Tripler Army Medical Center, TAMC, HI
³University of Utah, Salt Lake City, UT
- 9:15am – 9:20am **Paper 65: Loss of Anterior Stability of Shoulder Across a Range of Motion Due to Combined Bony Defects: A Cadaveric Study**
Piyush Walia MS¹, Lionel Gottschalk MD²,
Ronak Patel MD³, Morgan H. Jones MD¹,
Stephen D. Fening PhD⁴, **Anthony Miniaci MD²**
¹Cleveland Clinic, Cleveland, OH
²Cleveland Clinic Foundation, Garfield Heights, OH
³Hinsdale Orthopaedics Associates, Hinsdale, IL
⁴Case Western Reserve University, Akron, OH
- 9:20am – 9:25am **Question and Answer**
- 9:25am – 9:55am **Administrative Database: What Can We Learn?**
Moderator:
Bruce Reider MD
Executive Editor, AOSSM Medical Publishing Group
Rosemont, IL

Conference Agenda



#AOSSM2015

CONFERENCE AGENDA

SUNDAY, JULY 12, 2015

9:25am–9:30am **Paper 66: Surgical Trends in Treatment of Meniscus Tears: Analysis of Data from the American Board of Orthopaedic Surgery Certification Examination Database**

Benjamin Parker MD¹, Ganesh V. Kamath MD¹, Jeffrey T. Spang MD¹, Robert A. Creighton MD¹
¹University of North Carolina, Chapel Hill, NC

9:30am–9:35am **Paper 67: United States Trends in Medial Ulnar Collateral Ligament Reconstruction: A Retrospective Review of a Large Private-Payer Database from 2007 to 2011**

Brandon J. Erickson MD¹, Benedict U. Nwachukwu MD, MBA², Sam Rosas BS³, William W. Schairer MD², Francis McCormick MD³, Bernard R. Bach MD¹, Charles A. Bush-Joseph MD¹, Anthony A. Romeo MD¹

¹Rush University Medical Center, Chicago, IL

²Hospital for Special Surgery, New York, NY

³Holy Cross Hospital Orthopaedic Institute, Ft. Lauderdale, FL

9:35am–9:40am **Paper 68: Extremity Fractures Associated with ATVs and Dirt Bikes: A 6-Year National Epidemiological Study**

Andrew Gambone MD¹, Daniel Joseph Lombardo MD¹, Timothy Jelsema¹, **Vani Sabesan¹**

¹Wayne State University, Taylor, MI

9:40am–9:45am **Paper 69: Effect on Patient-Reported Outcome of Debridement or Microfracture of Concomitant Full-Thickness Cartilage Lesions in Anterior Cruciate Ligament-Reconstructed Knees: A Nationwide Cohort Study from Norway and Sweden of 357 Patients with 2-Year Follow-up**

Jan Harald Røtterud MD¹, Einar Sivertsen MD, PhD², Magnus L. Forssblad MD, PhD³, Lars Engebretsen MD, PhD⁴, Asbjørn Aroen MD, PhD¹

¹Akershus University Hospital, Lørenskog, Norway

²Martina Hansens Hospital, Bærum, Norway

³Capio Arto Clinic, Sophiahemmet, Stockholm, Sweden

⁴Oslo University Hospital Ullevål, Oslo, Norway

9:45am–9:55am **Question and Answer**

9:55am–10:20am ACL Prevention

Moderators:

Mary Lloyd Ireland MD

University of Kentucky Sports Medicine—Perimeter, Lexington, KY

Bernard R. Bach Jr., MD

Rush University Medical Center, Chicago, IL

9:55am–10:05am **Paper 70: Excellence Award: Neuromuscular Performance Varies with Baseline Neurocognition: Implications for Anterior Cruciate Ligament Injury Risk and Prevention**

Daniel C. Herman MD, PhD¹, Jeffrey T. Barth PhD²

¹University of Florida, Gainesville, FL

²University of Virginia, Charlottesville, VA

10:05am–10:10am **Paper 71: Predictors of Orthopaedic Surgery in NCAA Athletes**

Dean Wang MD¹, Caitlin Marie Rugg¹, Erik Mayer¹, Pamela Sulzicki MS, ATC²,

Jeremy Vail MPT, OCS, MTC, ATC¹, Sharon L. Hame MD¹

¹University of Los Angeles, Los Angeles, CA

²Sacred Heart University, Fairfield, CT

10:10am–10:15am **Paper 72: Physician and Non-physician Inter- and Intra-Observer Reliability of a Field-based Drop Vertical Jump Screening Test for ACL Injury Risk**

Lauren H. Redler MD¹, Jonathan P. Watling MD²,

Elizabeth R. Dennis MS³, Eric F. Swart MD²,

Christopher S. Ahmad MD²

¹Hospital for Special Surgery, New York, NY

²Columbia University Medical Center, New York, NY

³Columbia College of Physicians and Surgeons, New York, NY

10:15am–10:20am **Question and Answer**
Meeting adjourns

AOSSM gratefully acknowledges the following companies for their support of the 2015 Annual Meeting:

Arthrex Inc.

Breg

Bioventus

ConMed

DePuy Synthes Mitek Sports Medicine

DJO Global

Ferring Pharmaceuticals

Flexion Therapeutics

Össur

Smith & Nephew

Stryker

Vericel

Zimmer Biomet

Instructional Courses



Instructional Courses are offered Thursday, July 9, 2015 through Sunday, July 12, 2015 from 6:45am – 8:15am. Locations are included in this program as well as on tickets received at the time of registration. Attendance in instructional courses is by ticket only. The instructional course fee is \$70. One must register and pay the fee in order to enroll. This fee is applicable to ALL registrants. The instructional course Final Program is available in electronic format only at a price of \$150; this includes online access to the PowerPoints and recorded voices of the faculty for each course. Some instructional courses may have limited capacity, and space is assigned as registrations are received.

**NO REFUNDS FOR INSTRUCTIONAL COURSES
WILL BE ISSUED.**

THURSDAY, JULY 9, 2015

6:45am – 8:15am

IC 101

Floridian Ballroom J-L

CASE-BASED

Anatomic Anterior Cruciate Ligament Reconstruction: Current Concepts and Case-Based Approaches

Freddie H. Fu MD, Constance R. Chu MD, Allen F. Anderson MD, Charles H. Brown Jr., MD

Anterior cruciate ligament (ACL) injuries are one of the most common sports injuries for which surgery is performed. Facilitating optimal outcomes after ACL reconstruction is a topic of intense interest among orthopaedic surgeons and researchers alike. This instructional course will feature both didactic and interactive, case-based discussion sections. For the first half of the course, participants will hear lectures on the critical evaluation of outcomes after ACL reconstruction, including objective measurement tools; the anatomic concept and operative techniques for ACL reconstruction; as well as objective methods for evaluating graft healing after ACL reconstruction and early recognition of osteoarthritis using magnetic resonance imaging and optical coherence tomography, among other methods. The second part of the course will feature an interactive and evidence-based discussion of cases pertaining to ACL reconstruction. Participants will be encouraged to interact with the faculty and share their own experiences in practice.

Objectives:

- Gain an understanding of how to critically evaluate outcomes after ACL reconstruction, including objective measurements
- Understand the anatomic concepts, and operative techniques for ACL reconstruction
- Understand biology of graft healing and methods to assess ACL reconstruction, as well as early recognition of osteoarthritis
- Develop or improve clinical thought processes for ACL cases

AOSSM gratefully acknowledges Smith & Nephew for an educational grant in support of this instructional course.

IC 102

Citrus / Collier / Columbia

CASE-BASED

Complex Knee Ligament Reconstruction

Mark D. Miller MD, Darren L. Johnson MD, Robert G. Marx MD, MSc, FRCS

Three faculty will each present cases of complex knee ligament reconstruction in an alternating format. Cases will include Multiple Ligament Reconstruction, Revision Cruciate Ligament Reconstruction, and Pediatric Knee Ligament Injuries. The other two faculty and the audience will be encouraged to challenge the presenter during and after the case and discuss alternative strategies.

Objectives:

- Describe techniques and alternatives when dealing with complex knee ligament injuries
- Discuss the importance of having different options and techniques available when dealing with complex knee ligament surgery--and how to get out of jams
- Be able to apply lessons learned to your own practice and improve your ability to deal with complex knee ligament injuries

AOSSM gratefully acknowledges Smith & Nephew for an educational grant in support of this instructional course.

IC 103

Flagler / Gilchrist

CASE-BASED

The Use of Osteotomy in the Management of Complex Knee Disorders

Scott A. Rodeo MD, Thomas L. Wickiewicz MD, Annunziato Amendola MD, Thomas M. DeBerardino MD

This course will review indications for various types of osteotomy around the knee, specific types of tibial and femoral osteotomy, and pre-operative planning. Cases will be presented that illustrate the use of osteotomy in conjunction with ligament reconstruction, cartilage resurfacing, and meniscus transplantation. Cases will also include special circumstances such as tibial osteotomy to change tibial slope and femoral rotational osteotomy and trochlear osteotomy for patellar instability.

Objectives:

- Review indications and techniques for tibial osteotomy and femoral osteotomy. Major teaching points will be illustrated with case examples
- Discuss use of osteotomy in conjunction with surgery for knee instability, cartilage resurfacing, and meniscus transplantation. Representative cases will be shown
- Discuss the use of osteotomy in the treatment of patellofemoral instability and patellofemoral arthrosis
- Discuss complications specific to various types of osteotomy

IC 104

Orange

CASE-BASED

Shoulder Instability in Athletes: A Case-Based Approach

James E. Carpenter MD, Dean C. Taylor MD, Matthew V. Smith MD

Through the use of illustrative cases demonstrating each of the objectives below, the faculty will expand upon the importance of a comprehensive evaluation both clinically and radiographically to arrive at the correct diagnosis and treatment plan. While there is debate about the management of subtle and moderate bone loss, an in-depth analysis of outcomes will be presented with particular emphasis on failed instability operations. The audience will be engaged in the decision-making process as the cases and lectures unfold to demonstrate where critical factors may influence the operative and non-operative decision-making process.

Objectives:

- Perform the evaluation and treatment of athletes with acute and recurrent anterior shoulder dislocations based on published medical evidence
- Recognize, assess, and describe the appropriate treatment options for patients with bone loss associated with shoulder dislocations
- Diagnose and create an evidence-based treatment plan for patients with recurrent shoulder instability

AOSSM gratefully acknowledges Stryker for an educational grant in support of this instructional course.

Instructional Courses

THURSDAY, JULY 9, 2015

6:45am – 8:15am

IC 105

Clavicle/AC

John M. Tokish MD, Richard J. Hawkins MD, FRCSC,
Peter B. MacDonald MD, FRCS

This course will review current trends and controversies in the management of acute clavicle fractures, as well as acute and chronic injuries to the AC joint. Indications for operative intervention, particularly in the overhead versus contact/collision sport athlete, will be emphasized. Discussion of evolving operative techniques will facilitate better understanding of repair and reconstructive alternatives in the athlete, both for return to play and the controversy of hardware removal for sport participation. The format of this instructional course will be via case-based presentations complemented by didactic instruction.

Objectives:

- Recognize indications and become aware of surgical techniques for fixation of different types of clavicle fractures in athletes
- Discuss the management considerations involved in repairing the acute AC joint injury in the pediatric, recreational, and elite athlete
- Explain the clinical decision-making involved in chronic AC joint injury management

Jackson

IC 106

The Specificity of the ACL Injury in the Young Athlete: Prevention, Surgical Care, and Return to Sports

Bert R. Mandelbaum MD, Robert H. Brophy MD, Holly J. Silvers MPT,
Mininder S. Kocher MD, MPH, Christopher S. Ahmad MD

ACL injury in the pediatric and adolescent athlete is a challenge to understand the mechanisms of injury and prevention. Once injured, it requires a multidisciplinary team that can decipher the mechanism of injury, pre-rehabilitation, specific type of surgical procedure that relates to the specificity of the particular athlete, and development of a post-operative and return-to-sport program that is reflective of gender, and level of participation in a specific sport. The purpose of this instructional course lecture is to address the progressive and comprehensive details and level of specificity in this population to optimize care, performance, and outcome.

Objectives:

- Demonstrate that the risk of ACL injury and re-injury in the 14- to 18-year-old athlete is significantly high and increases with level of participation and types of sport participation
- Describe specific mechanisms of injury in this age group that are biomechanical and neuromuscularly based and have opportunities for modulation and prevention
- Recognize that there are surgical options in this age group that are very specific and vary with respect to degree of physeal closure, gender, age, type of sport participation, and long-term goals
- Explain that post-operative programs must include an awareness of initial mechanisms of injury, rehabilitation, preventative approaches that include biomechanical and neuromuscular strategies and specific return-to-sport progressions, and criteria for success and prevention of re-injury

Nassau

AOSSM gratefully acknowledges DePuy Synthes Mitek Sports Medicine for an educational grant in support of this instructional course.

IC 107

CASE-BASED

Basics of Hip Arthroscopy: What You Need to Know to Get Started

Aaron John Krych MD, Bruce A. Levy MD, Marc J. Philippon MD,
Benjamin G. Domb MD

Hip arthroscopy has become a key technique in care of active patients with femoroacetabular impingement and pre-arthritis extra-articular and intra-articular conditions of the hip. As such, a basic understanding of the fundamentals of hip arthroscopy is critical to achieving successful outcomes and avoiding complications. In this course, a systematic case-based approach to patient selection, imaging assessment, skillful surgical planning, and intraoperative execution will be emphasized, including treatment of proximal femoral and acetabular deformity, labral tears, and capsular management. The role for open or combined surgical approaches will also be discussed, and some gender- and sport-specific considerations reviewed.

Objectives:

- Gain a systematic approach to evaluating the active patient with hip pain: history, physical exam, and imaging
- Recognize and select appropriate patients for hip arthroscopy procedures
- Describe the detailed preoperative planning and successful intraoperative execution of planned bony resection on the acetabular and femoral sides, labral repair, and capsular management
- Discuss pearls and pitfalls of how to avoid complications during hip arthroscopy procedures

AOSSM gratefully acknowledges Stryker for an educational grant in support of this instructional course.

IC 108

Infection in Athletes

James Kinderknecht MD, Robert Hosey MD, James C. Puffer MD

This course will focus on various infectious disease issues encountered while caring for athletes. Topics will include infectious mononucleosis, influenza, skin infections, sexually transmitted illnesses, gastrointestinal illness, febrile illnesses, antibiotic use, and vaccinations.

Objectives:

- Evaluate and manage athletes with an infectious disease such as infectious mononucleosis, MRSA, or hepatitis and determine appropriate return to play
- Evaluate and manage the febrile athlete and determine appropriate return to play
- Develop an approach to antibiotic use and choices for common issues such as upper respiratory, sexually transmitted, and gastrointestinal illnesses
- Explain the vaccination recommendations as they apply to athletes

Palm Beach

Sarasota

FRIDAY, JULY 10, 2015
6:45am – 8:15am

IC 201

Orange

CASE-BASED

Management of PCL Injuries: A Case-Based Approach

Volker Musahl MD, Christopher D. Harner MD, Asheesh Bedi MD

PCL injuries in athletes are not uncommon. Management of PCL injuries presents a unique challenge. This course will review acute and chronic PCL injuries and discuss management in a case-based format. Physical examination and advanced imaging will be presented. The decision on non-operative versus surgical management will be described in a case-based format. The role for arthroscopic approaches, open surgeries, and osteotomy will be discussed. Special focus will be given to surgical techniques and surgical management.

Objectives:

- Discuss non-operative vs. surgical management of PCL injuries
- Explain the issues related to surgical techniques of PCL reconstruction, specifically tunnel- and inlay-based reconstructions as well as the role of osteotomy
- Discuss the surgical technique for acute and chronic PCL injuries

AOSSM gratefully acknowledges Smith & Nephew for an educational grant in support of this instructional course.

IC 202

Jackson

Management of Extensor Mechanism and Proximal Hamstring Injuries

Lutul D. Farrow MD, Theodore F. Schlegel MD, Scott G. Kaar MD, Richard D. Parker MD

This course will address the most common injuries affecting the knee extensor mechanism. The speakers will address the biology of quadriceps and patellar tendinopathy. Various techniques for both non-operative and operative treatment of extensor mechanism tendinopathy will be presented with a special emphasis on the competitive athlete. Surgical management of acute quadriceps and patellar tendon disruptions will be discussed. Surgical algorithms and treatment options for management of both chronic extensor mechanism disruption and failed repair will be presented. Complex reconstruction techniques for these injuries will be discussed. A comprehensive review of the management options for proximal hamstring injuries will also be discussed. Post-surgical rehabilitation protocols and return-to-play criteria will be presented. Several cases will be presented to illustrate the thought process involved in management of extensor mechanism injuries.

Objectives:

- Discuss both current and emerging techniques and treatment rationale for the management of quadriceps and patellar tendinopathy
- Discuss the variable treatment options available for repair of extensor mechanism disruptions
- Analyze the different treatment options utilized to address different types of proximal hamstring injuries
- Describe the treatment algorithm for both chronic and revision extensor mechanism disruptions

IC 203

Citrus / Collier / Columbia

CASE-BASED

An Evidence-Based Approach to Complex and Multi-Ligamentous Injuries of the Knee: MCL, PCL, PLC

Robert F. LaPrade MD, PhD, Bruce A. Levy MD, Scott C. Fauchett MD, Nicholas I. Kennedy BS

This case-based course will provide an evidence-based overview of the evaluation and management of complex and multi-ligament injuries of the knee, specifically of the medial collateral ligament (MCL), posterior cruciate ligament (PCL), and posterolateral corner (PLC). Emphasis will be placed on current and relevant basic science, anatomy, biomechanics, clinical evaluation, complications, imaging, and objective and subjective clinical outcomes. Additionally, lecturers will compare and contrast indications and contraindications for repair and reconstruction using the most up-to-date surgical techniques, including the indications for primary repairs or anatomic reconstructions of the superficial MCL, PCL, and PLC. Case presentations will highlight the latest controversies in multi-ligament injuries. Attendees will receive essential practical information that will be immediately transferable to clinical practice.

Objectives:

- Describe current and relevant concepts in MCL, PCL, and PLC anatomy and biomechanics
- Determine the extent of an acute or chronic multi-ligament injury of the knee using appropriate clinical and radiographic evaluations to form a strategic treatment plan
- Recognize the indications and contraindications and understand the techniques of surgical repair and reconstruction of complex ligamentous injuries to the knee
- Identify factors that may influence treatment outcomes

AOSSM gratefully acknowledges Smith & Nephew for an educational grant in support of this instructional course.

IC 204

Floridian Ballroom J-L

CASE-BASED

Controversies in Rotator Cuff Surgery

William N. Levine MD, Christopher S. Ahmad MD, Anthony A. Romeo MD, Neal S. ElAttrache MD

The goals of this ICL are to encourage the registrants to interact in a lively, case-based style with minimal didactics and significant interaction with the faculty. Controversial topics, including approaches for rotator cuff repair (e.g., number of rows, transosseous vs. double row suture bridge), decision-making on management of the biceps tendon and labrum, and biologic enhancement for cuff repair will all be addressed.

Objectives:

- Review current trends in rotator cuff surgery and highlight controversies
- Review current trends in biologic enhancement for rotator cuff surgery
- Review current trends with management of the biceps tendon during rotator cuff surgery
- Review current trends with management of the labrum during rotator cuff surgery

Instructional Courses

FRIDAY, JULY 10, 2015

6:45am – 8:15am

IC 205

Nassau

Surgical Treatment of the Athlete's Elbow

David W. Altchek MD, John E. Conway MD, Joshua S. Dines MD, George A. Paletta Jr., MD

This ICL will review the current surgical management of the most common injuries to the athlete's elbow.

Objectives:

- Describe the indications and surgical procedures recommended to treat injuries to the athletes elbow

IC 206

Palm Beach

The Adolescent Knee

Kevin G. Shea MD, Allen F. Anderson MD, Carl W. Nissen MD, Paul M. Saluan MD

This course will focus on common knee injuries seen in the pediatric and adolescent knee, with a focus upon the unique approaches required for the skeletally immature. The course structure will include brief presentations, with an emphasis upon case presentation, controversies in treatment approach, and audience participation with the panel.

Objectives:

- Review the common presentation and treatment options of the pediatric and adolescent tibial spine injury, with an emphasis upon avoiding the most common complications with this condition
- Review the anatomy and natural history of discoid meniscus and the spectrum of treatment options, limitations, and long-term follow-up concerns
- Review the anatomy, natural history, and unique treatment options and challenges in this patient group with high risk for recurrent patello-femoral instability

IC 207

Flagler / Gilchrist

CASE-BASED

Athletic Hip and Groin Pain—A Case-Based Approach

Marc R. Safran MD, J. W. Thomas Byrd MD, Christopher M. Larson MD, William C. Meyers MD

Hip and groin injuries are being seen more frequently in the sports medicine practice. This ICL will use a case-based approach, with team physicians who are hip and groin experts, to discuss the evaluation and treatment of hip and groin injuries in athletes. Real cases will be introduced using PowerPoint presentation, and include radiographs and MRI. Videos of the pertinent physical examination will also be included. Each panel member will provide their input into the diagnosis, treatment, and pearls for evaluation and management. Diagnoses discussed include femoroacetabular impingement (FAI), hip instability, labral tears, hamstring avulsions, ischial tuberosity avulsions, sports hernia/athletic pubalgia, rectus femoris avulsions, and adductor injuries. Operative and non-operative approaches will be discussed, including surgical technique. Further, the panelists will provide their experience and discuss return-to-play considerations for these diagnoses. Attendee participation is encouraged throughout the case discussions.

Objectives:

- Identify intra-articular sources of hip pain from extra-articular sources of hip pain
- Explain the pathophysiology of hip impingement and discuss its treatment
- Recognize hip instability and treatment
- Diagnose athletic pubalgia/sports hernia and understand its treatment

AOSSM gratefully acknowledges Smith & Nephew for an educational grant in support of this instructional course.

IC 208

Sarasota

Injuries to Women in Collision Sports: Rugby, Equestrian, Rodeo, Boxing, Roller Derby

Peter G. Gerbino II, MD, Lyle J. Micheli MD, Mary Lloyd Ireland MD, Lindsey N. Dietrich MD

To a certain degree, women have always participated in violent, collision sports. Recently, the numbers of these athletes has grown dramatically. Roller derby is the fastest growing women's team sport in the world. Team physicians will be covering these events and treating the injuries more and more often. Knowing what injuries to expect and how to manage them is a skill we all must acquire.

Objectives:

- Identify injuries that occur in women's collision sports
- Develop prevention strategies to minimize future injuries
- Formulate Emergency Action Plans to address the specific injuries that these athletes sustain
- Discuss the high level of physicality and intensity that female athletes are now embracing

SATURDAY, JULY 11, 2015
6:45am – 8:15am

IC 301

Orange

CASE-BASED

Meniscus Injuries: Soup to Nuts

Darren L. Johnson MD, Mark D. Miller MD, Matthew J. Matava MD

A case-based format in discussion of all meniscal injuries, including simple and complex, isolated as well as associated ligamentous injuries and meniscal root injuries. Using cases, presenters will explain the different surgical treatment pearls required for the knee surgeon and returning people to level-1 sports.

Objectives:

- Discuss the treatment of meniscus injuries so that one can safely design treatment strategies based on evidence-based medicine

AOSSM gratefully acknowledges Smith & Nephew for an educational grant in support of this instructional course.

IC 302

Citrus / Collier / Columbia

CASE-BASED

Avoiding Complications in Patellofemoral Surgery: MPFL Reconstruction and Tibial Tubercle Osteotomy

Miho Tanaka MD, Andrew J. Cosgarea MD, Jack Farr II, MD, John P. Fulkerson MD

This course will provide an overview of the complications that can occur during the surgical treatment of patellar instability. Using a case-based method, we will review the decision-making algorithm and highlight the proper indications for each procedure. The course will address the common pitfalls in MPFL reconstruction, as well as ways to avoid them. Special emphasis will be placed on anatomy and graft placement, as well as methods used to assess them. Tibial tubercle osteotomy will be reviewed, including a discussion on avoiding and managing commonly encountered complications.

Objectives:

- Describe the indications for MPFL reconstruction, tibial tubercle osteotomy, or both
- Discuss the risks associated with MPFL reconstruction
- List the anatomic fixation points for MPFL reconstruction and how to assess them
- Describe the risks associated with tubercle osteotomy and how to avoid them

IC 303

Floridian Ballroom J-L

CASE-BASED

Articular Cartilage Repair in Athletes: Current Concepts and Case Reviews

Riley J. Williams III, MD, C. Benjamin Ma MD, Deryk G. Jones MD, Aaron John Krych MD

This instructional course lecture will update attendees on the current state of knee articular cartilage repair in the United States. Moreover, athletic return to sport as an endpoint will be the focus of this course. Clinical indications, surgical techniques, post-operative rehabilitation strategies, and functional outcomes, as these relate to knee cartilage repair methods, will be presented. This is a case-based ICL designed to encourage an interaction and discussion between the faculty and audience.

Objectives:

- Describe current standards of care in the treatment of articular cartilage defect of the knee
- Explain appropriate use of imaging studies in the pre-operative and post-operative management of patients with articular cartilage defects of the knee
- Discuss surgical and rehabilitation strategies that work best for a return to athletics

AOSSM gratefully acknowledges Vericel for an educational grant in support of this instructional course.

IC 304

Flagler / Gilchrist

New Concepts in the Thrower's Shoulder

Craig D. Morgan MD, W. Ben Kibler MD, Brian J. Sennett MD, John D. Kelly IV, MD, Vincent H. Key MD

This course will develop and elaborate emerging science regarding the thrower's shoulder. New data concerning kinetic chain abnormalities, GIRD, scapular dyskinesis, and humeral retroversion will be discussed. Preventative strategies will be elucidated, as well as the most evidence-based surgical methods for treating labral, cuff, and capsular issues in the thrower.

Objectives:

- Discuss the underlying principles and pathomechanics which explain dysfunction and ultimate tissue breakdown of the labrum and rotator cuff
- Describe the most contemporary and evidence-based means of surgical treatment of labral tears, rotator cuff, and capsular lesions
- Explain the causes of failure of labral surgery and recognize the importance of rotator interval capsule laxity
- Incorporate preventative strategies in one's practice including attention to kinetic chain, GIRD, scapular dyskinesis, and fatigue

Instructional Courses

SATURDAY, JULY 11, 2015

6:45am – 8:15am

IC 305

Sarasota

CASE-BASED

Hand, Wrist, and Forearm Injuries in Athletes: Critical Assessment, Treatment, and Return-to-Play Considerations for the Team Physician

Thomas R. Hunt III, MD, Michelle Carlson MD, Richard Barth MD

This case-based course will focus on common hand, wrist, and forearm injuries encountered by team physicians and the decisions that they inevitably face. Those decisions range from proper assessment methods, to initial treatment options and the decision to refer to a specialist, and finally, to return-to-sport timing. The information will be presented by specialists in the field who not only care for athletes at all levels/abilities representing multiple sports, but also who are integral members of sports medicine teams caring for professional athletes.

Objectives:

- Discuss the pathoanatomy associated with common hand, wrist, and forearm injuries found in athletes of all levels
- Describe how to properly assess these injuries by physical and radiographic examination, interpret the results, and consult specialists at the appropriate time
- List common treatments for these injuries and create return-to-sport strategies that are in the athlete's best interest

IC 306

Palm Beach

The Growing Pitcher's Arm: What Aren't We Doing Right?

Joseph H. Guettler MD, Felix H. Savoie III, MD, Jeffrey R. Dugas MD, Kevin Farmer MD

Accepted guidelines aimed at preventing shoulder and elbow injuries in youth and high school pitchers have been implemented in most baseball leagues across the United States. Despite these measures, the incidence of arm injuries in young pitchers continues to rise, as does the need for surgical intervention. This instructional course will review the unique anatomy and pathophysiology of shoulder and elbow injuries in this young population, as well as contemporary treatment algorithms that are based on the latest research and literature. Injury prevention strategies based on AOSSM's latest research, as well as effective in-season and off-season training regimens, will also be highlighted.

Objectives:

- Discuss the special issues relating to growing throwers, as well as the latest evolving concepts in injury prevention
- Recognize the unique anatomy and pathophysiology of shoulder and elbow injuries in growing pitchers
- Diagnose these injuries, and be familiar with the latest conservative and operative treatment algorithms for these injuries
- Describe effective in-season and off-season training regimens aimed at reducing injuries

AOSSM gratefully acknowledges DePuy Synthes Mitek Sports Medicine for an educational grant in support of this instructional course.

IC 307

Jackson

Athletic Injuries of the Foot and Ankle

John Jasko MD, Annunziato Amendola MD, Kevin Willits MD, Sam A. Labib MD, FRCSC

Surveillance data from high school, college, and professional sports reveal injuries of the foot and ankle are the most common injuries occurring during practice and competition. While often categorized as "just a sprain," these injuries can often cause significant limitations of performance and rank second only to knee injuries as cause of missed games or matches. The goal of this course is to dissect common injuries of the foot and ankle frequently encountered by the sports medicine physician. We will discuss the mechanism of injury, diagnosis, treatment and return-to-play guidelines of turf toe, 5th metatarsal fracture, Achilles tendon injury, ankle sprains, and syndesmosis injuries. We will outline the relevant anatomy, surgical and non-surgical treatment options, current data, and controversies.

Objectives:

- Discuss diagnosing and treating foot and ankle injuries
- Describe to players and coaches the implications for return to play and performance

IC 308

Nassau

2015: What Drugs are Your Athletes Using?

Edward R. McDevitt MD, John Paul H. Rue MD, John A. Lombardo MD

Through the ages athletes have turned to substances such as alcohol, amphetamines and marijuana for fun or relaxation and to improve their performance without thinking about the harmful consequences. Today there is a plethora of legal and illegal substances being used by your athletes. It has been recently reported that 10% of high school athletes have experimented with human growth hormone or hGH stimulants.

Objectives:

- Discuss the history of athletic drug use from the first Olympics to present day
- Identify "legal" drugs that are easily available to athletes at their local mall or the Internet
- Recognize dangerous drugs such as Molly, Spice, and designer synthetic marijuana
- Develop guidelines on how to discuss drug use with their team, since their athletes are using some of these substances, most unproven and many dangerous

SUNDAY, JULY 12, 2015
6:45am – 8:15am

IC 401

Flagler / Gilchrist

CASE-BASED

Revision ACL – Why and How?

David R. Diduch MD, Gehron Treme MD, Claude T. Moorman III, MD, Geoffrey Scott Baer MD, PhD

A failed ACL reconstruction is an emotional problem for both patients and surgeons, with major consequences for competitive athletes. Using a case-based approach, the course will cover the common reasons ACL reconstructions fail and how to best perform revision ACL surgery. The case-based presentation allows attendees to discuss reasons grafts fail, strategies to plan successful revision surgery, how to work around existing hardware, how to handle associated ligament injury or laxity, osteotomies, and bone loss.

Objectives:

- Determine the cause of ACL graft failure
- Identify revision strategies and understand techniques that optimize success
- Explain expected outcomes to patients

AOSSM gratefully acknowledges DePuy Synthes Mitek Sports Medicine for an educational grant in support of this instructional course.

IC 402

Orange

Fix the Massive Cuff Tear: How to Reverse ‘Reversomania’

John D. Kelly IV, MD, Stephen S. Burkhart MD, Alison P. Toth MD

This course will delve into true indications for ‘Reverse’ Shoulder Arthroplasty and elaborate the principle that most rotator cuff tears are indeed reparable.

Objectives:

- Determine which tears are truly beyond repair and warrant Reverse Arthroplasty
- Describe specific mobilization techniques and pearls for overcoming poor bone and tissue quality
- Recognize the importance of the subscapularis and attendant ‘Comma Tissue’ in effecting a repair of a massive tear
- Recognize the role of biologics and graft augmentation in realization of successful repair

IC 403

Jackson

CASE-BASED

A Case-Based Approach to Hip Injuries in Athletes: From Dancers to Running Backs

Asheesh Bedi MD, Christopher M. Larson MD, Bryan T. Kelly MD, John C. Clohisy MD

This course will provide a case-based, sports-specific review of the surgical treatment of hip pain in the contact, overhead, running, pivoting, and dancing athlete. With the significant advances in arthroscopic hip surgery in recent years, the technical complexity and limits of the intra-articular and extra-articular hip pathology that can be treated have expanded. This growth, however, has been accompanied by parallel challenges of accurate diagnosis and appropriate indications for the treatment of mechanical hip pathology in the athlete. Unique pre-operative, intra-operative, and rehabilitation considerations will be discussed for the in-season and post-season athlete. The treatment of symptomatic extra-articular pathology and compensatory injuries of the spine, pelvis, and peri-articular musculature in athletes with hip disorders will also be reviewed. Contraindications to arthroscopic surgical treatment and its limitations will also be discussed.

Objectives:

- Describe the sport-specific patterns of hip injuries and principles of surgical treatment for hip pathology in the contact, overhead, running, pivoting, and dancing athlete
- Describe the unique pre-operative diagnostic and intra-operative technical considerations in the treatment of hip pain in the athlete with sport-specific demands
- Recognize symptomatic extra-articular impingement and compensatory injuries of the peri-articular musculature in athletes with symptomatic hip impingement and understand the current and evolving treatment options
- Explain the current limitations and relative contraindications to arthroscopic hip surgery and the role for open surgical treatment of pre-arthritis hip pathology in the athlete

AOSSM gratefully acknowledges Smith & Nephew for an educational grant in support of this instructional course.

Posters



All posters are available for viewing from Thursday morning until Saturday afternoon in the Exhibit Hall Foyer and by logging into www.sportsmed.org.



Poster Award Presentations in the Industry Theater (in the Exhibit Hall):

1st Place Poster	Thursday, July 9th, 11:50am – 11:55pm
2nd Place Poster	Friday, July 10th, 7:30am – 7:35am
3rd Place Poster	Friday, July 10th, 7:55am – 8:00am

Guided Poster Tours

Take a guided tour of posters and interact directly with the authors. Expert moderators will lead attendees on tours that include question and answer sessions with the author(s). **Tours will be held concurrently on Thursday and Saturday and will take place in the Exhibit Hall Foyer from 12:30pm to 1:30pm.**

To attend a tour, please proceed to the first poster listed in each section below.



THURSDAY, JULY 9, 2015

ACL I

Moderator:

Claude T. Moorman III, MD

- 1 Biomechanical Effects of Neuromuscular Training in Anterior Cruciate Ligament-Reconstructed Subjects
- 2 The Effects of ACL Deficiency on the Meniscus and Articular Cartilage
- 3 Improvements in Thigh Strength Symmetry Are Related to Changes in Self-Reported Function after Anterior Cruciate Ligament Reconstruction
- 4 Driving Reaction Time after Right Knee Anterior Cruciate Ligament Reconstruction
- 5 Effect of High-Grade Pre-operative Knee Laxity on Outcomes of Anterior Cruciate Ligament Reconstruction
- 6 Medial and Lateral Hamstring Muscle Activity Differs for ACL Graft Types
- 7 Patient Factors Associated with Osteochondral Allograft Success in Knees with or without Co-morbidities

ACL II

Moderator:

Bernard R. Bach MD

- 8 ACL Roof Impingement Revisited
- 9 College Athletes' Perception of Anterior Cruciate Ligament Injuries and Subsequent Reconstruction
- 11 Quantitative Evaluation of the Pivot Shift – Relationship to Clinical Pivot Shift Grade: A Prospective International Multicenter Study
- 13 Poor Static Balance Is a Novel Risk Factor for Non-contact Anterior Cruciate Ligament Injury
- 16 Impact of Preoperative Expectations and Fear of Movement on Return to Sport and KOOS Scores at 6 Months Following ACL Reconstruction
- 17 Increased Risk of Second Anterior Cruciate Ligament Injury for Female Soccer Players
- 29 The Anterolateral Ligament (ALL): A Comprehensive Study Encompassing Anatomic and Radiographic Landmarks, and Native Structural Properties

Food will be available for purchase inside the exhibit hall to accommodate those who wish to participate in the tours.

Posters will be available for viewing throughout the meeting. However, don't miss the opportunity to talk directly with the author(s) during the tours.

Guided Poster Tours

THURSDAY, JULY 9, 2015

Pediatric Knee

Moderators:

Frank A. Cordasco MD, MS and Matthew D. Milewski MD

- 10 Epidemiology of Isolated Meniscus Tears in Young Athletes
- 12 The Pediatric International Knee Documentation Committee (Pedi-IKDC) Subjective Knee Evaluation Form: Normative Data
- 15 Comparison of Three-Dimensional Motion during Side-Step Cutting in Pediatric Athletes with Recent ACL Reconstruction and Those with No ACL Surgical History
- 19 Evaluation of Three-Dimensional Motion During Side-step Cutting after Anterior Cruciate Ligament Reconstruction in Pediatric Athletes
- 30 Incidence of Delayed Anterior Cruciate Ligament Reconstruction in Skeletally Immature Patients With Previous Anterior Tibial Spine Fractures
- 31 Outcomes of Meniscal Allograft Transplantation in the Pediatric Athlete
- 32 Long-Term Follow-up of Pediatric ACL Reconstruction in New York State: High Rates of Subsequent ACL Reconstruction
- 33 Long-Term Follow-up of Arthroscopic Treatment of Discoid Lateral Meniscus in Children
- 34 Increased Lateral Tibial Slope is a Risk Factor for Pediatric ACL Injury: an MRI-based Case-Control Study of 152 Patients

Patella / Collateral Ligament

Moderators:

Beth E. Shubin Stein MD and John P. Fulkerson MD

- 14 Biomechanical Consequences of Lateral Meniscal Posterior Root Avulsions: Influence of the Meniscomfemoral Ligaments and Anterior Cruciate Ligament on Tibiofemoral Contact Mechanics
- 20 Percutaneous Partial Medial Collateral Ligament Release (PPMCLR) Does Not Result in Residual Medial Collateral Laxity (MCL)
- 24 Cortical Button Fixation: A Better Patellar Tendon Repair?
- 25 Assessing Patellar Instability: Relating Tibial Tubercle Trochlear Groove Distance to Patient Specific Anatomy
- 53 How Accurate Are Patients at Diagnosing the Cause of Their Knee Pain with the Help of a Web-based Symptom Checker?

Cartilage

Moderator:

Rick W. Wright MD

- 21 Early Intervention Strategies for Acute Cartilage Injury: Ex-vivo Porcine Knee Model
- 22 The Costs Associated with the Perioperative Management of Articular Cartilage Lesions in the United States
- 23 Trends in Articular Cartilage Treatments of the Knee: An American Board of Orthopaedic Surgery Database Study
- 26 Hyaluronic Acid versus Platelet-Rich Plasma: Double-Blind Randomized Controlled Trial Comparing Clinical Outcomes and Intra-Articular Biology for Treatment of Knee Arthritis
- 27 Medial Opening Wedge High Tibial Osteotomy: A Retrospective Review of Patient Outcomes over 10 Years
- 28 Short-Term Outcomes of the Subchondroplasty Procedure for the Treatment of Bone Marrow Edema Lesions in Patients with Knee Osteoarthritis

SATURDAY, JULY 11, 2015

Hip I

Moderator:

Brian D. Busconi MD

- 35 Limited Retinacular Vessel Damage Does Not Compromise Femoral Head Perfusion during Hip Arthroscopy – Can the Vascular Safe Zone Be Extended?
- 36 Biomechanical Effect of Capsular Shift in the Treatment of Hip Microinstability. Creation and Testing of a Novel Hip Instability Model
- 37 Biomechanical Evaluation of Capsulotomy and Capsular Repair in the Hip: Restoring Stability
- 38 Outcomes of 1038 Hip Arthroscopies: A Two-Year Follow-up Study
- 39 Outcomes for Hip Arthroscopy Based on Sex and Age: A Comparative Matched-Group Analysis
- 40 Age-Related Trends in Hip arthroscopy: A Large Cross-Sectional Analysis
- 41 Revision Hip Arthroscopy in the Youth Athlete

Hip II

Moderators:

J. W. Thomas Byrd MD and Kurt P. Spindler MD

- 42 Does Revision Hip Arthroscopy Result in Improved Clinical Outcomes? – A 2-Year Clinical Follow-up on All Revision Hip Arthroscopies Performed at a High Volume Referral Center
- 43 Foot Progression Angle Walking Test – An Effective Dynamic Test for the Diagnosis of Femoroacetabular Impingement and Hip Instability
- 44 Arthroscopic Management of Dysplastic Hip Morphologies: Predictors of Success and Failures and Comparison to an Arthroscopic FAI Cohort
- 45 Surgeon Radiation Exposure in Hip Arthroscopy: A Prospective Analysis
- 46 Are Lesser Trochanteric Tenotomies More Effective than Labral-Level Releases for the Treatment of Iliopsoas Snapping and Impingement?

- 47 A Matched-Pair Controlled Study of Arthroscopic Psoas Tenotomy with Minimum 2-Year Follow-up: Do Patients with Psoas Tenotomy Achieve Similar Outcomes?
- 48 Risk Factors for Early Conversion to Total Hip Arthroplasty Following Hip Arthroscopy

Shoulder Instability

Moderator:

Robert A. Arciero MD

- 50 Convergent Validity of the Patient Reported Outcomes Measurement Information System's (PROMIS) Physical Function Computerized Adaptive Test (PF-CAT) for the Knee and Shoulder Injury Sports Medicine Patient Population
- 51 Predictive Value of Preseason Screening In Collegiate Baseball Pitchers
- 52 The Impact of Prior Upper Extremity Surgery on Orthopaedic Injury and Surgery in Collegiate Athletes
- 54 An Evaluation of the Clinical and Anatomic Predictors of Outcomes at a Minimum of 2 Years Following the Latarjet Procedure for Recurrent Anterior Shoulder Instability with Glenoid Bone Loss
- 55 Stability of the Glenohumeral Joint with Combined Humeral Head and Glenoid Defects: A Cadaveric Study
- 56 Outcomes of Bankart Repairs Using Modern Arthroscopic Technique in an Athletic Population
- 57 Shoulder Instability in the Overhead Athlete: A Systematic Review Comparing Arthroscopic and Open Stabilization Procedures

Guided Poster Tours

SATURDAY, JULY 11, 2015

Shoulder Rotator Cuff Repair

Moderator:

Dean C. Taylor MD

- 58 Functional Outcomes after Double Row vs. Single Row Rotator Cuff Repair: A Prospective Randomized Trial
- 59 Arthroscopic Transosseous Rotator Cuff Repair: A Prospective Study on Cost Savings, Surgical Time, and Outcomes
- 60 Does Smoking Affect Treatment Allocation and Outcomes in Patients with Rotator Cuff Tears?
- 61 Pre-Existing Rotator Cuff Tears As a Predictor of Outcomes in National Football League Athletes
- 70 Two-Year Outcomes Following Biologic Patch Augmentation for the Treatment of Massive Rotator Cuff Tears
- 72 Patient Activity Levels after Reverse Total Shoulder Arthroplasty: What Are Patients Doing?

Throwing Shoulder and Elbow

Moderator:

John E. Conway MD

- 62 Clinical Assessment of the Dynamic Shear Test for SLAP Lesions
- 63 Throwing-Related Injuries of the Subscapularis in Professional Baseball Players
- 65 Do Innings Pitched Prior to Age 25 Affect MLB Pitcher Longevity?
- 66 Predictive Risk of Ulnar Collateral Ligament Injury Based on Ligament Morphology and Dynamic Abnormalities in Professional Baseball Pitchers Using Stress Ultrasonography
- 67 Strength of Dynamic Stabilizers of the Elbow in Professional Baseball Pitchers Decreases during Baseball Season
- 71 Dynamometer Elbow Strength and Endurance Testing After Distal Biceps Reconstruction w/Allograft

Miscellaneous

Moderator:

Bradley J. Nelson MD

- 49 Operative vs. Non-Operative Treatment of Achilles Tendon Ruptures: A Systematic Review of Overlapping Meta-analyses
- 69 A Biomechanical and Clinical Comparison of Midshaft Clavicle Fixation Performed with Either Two or Three Screws on Each Side of the Plate
- 73 Does Prior Shoulder Surgery Negatively Impact Shoulder Arthroplasty Outcomes?
- 74 Results of Arthroscopically-Assisted Core Decompression for Avascular Necrosis of the Proximal Humerus

- 1 **Biomechanical Effects of Neuromuscular Training in Anterior Cruciate Ligament-Reconstructed Subjects**
Samuel Clayton Wordeman PhD¹, Timothy E. Hewett PhD, FACS¹
¹The Ohio State University, Columbus, OH
- 2 **The Effects of ACL Deficiency on the Meniscus and Articular Cartilage**
Justin W. Arner MD¹, James N. Irvine MD¹, Liying Zheng PhD¹, Eric Thorhauer BS¹, Kevin Baidoo MS¹, Margaret Lydia Hankins BS¹, Ermias Shawel Abebe MD¹, Scott Tashman PhD¹, Xudong Zhang PhD¹, Christopher D. Harner MD¹
¹University of Pittsburgh Medical Center, Pittsburgh, PA
- 3 **Improvements in Thigh Strength Symmetry are Related to Changes in Self-Reported Function After Anterior Cruciate Ligament Reconstruction**
Kristy Pottkotter PT, SCS¹, Stephanie DiStasi PT, PhD, OCS¹, Robert A. Magnussen MD¹, Laura Schmitt PhD, PT¹, Mark V. Paterno PhD, PT, ATC², David C. Flanigan MD¹, Christopher C. Kaeding MD¹, **Timothy E. Hewett PhD, FACS¹**
¹The Ohio State University, Columbus, OH
²Sports Medicine Biodynamics Center, Cincinnati, OH
- 4 **Driving Reaction Time after Right Knee Anterior Cruciate Ligament Reconstruction**
Brian Singh¹, Maxwell Weinberg MD¹, Orrin H. Sherman MD², **Eric Jason Strauss MD¹**, Laith M. Jazrawi MD¹
¹New York University Hospital for Joint Diseases, New York, NY
²Madison Avenue Orthopedic Associates, New York, NY
- 5 **Effect of High-Grade Pre-Operative Knee Laxity on Outcomes of Anterior Cruciate Ligament Reconstruction**
Robert A. Magnussen MD¹, Emily Reinke PhD², Laura J. Huston MS³, MOON Knee Group², Timothy E. Hewett PhD, FACS¹, Kurt P. Spindler MD⁴
¹The Ohio State University, Columbus, OH
²Vanderbilt University, Nashville, TN
³Vanderbilt Orthopaedic Institute, Nashville, TN
⁴Cleveland Clinic Sports Health Center, Garfield Heights, OH
- 6 **Medial and Lateral Hamstring Muscle Activity Differs for ACL Graft Types**
Amelia J.H. Arundale PT, DPT, SCS¹, Kevin Lapham¹, Holly J. Silvers MPT², Adam Marmon¹, Lynn Snyder-Mackler PhD¹
¹University of Delaware, Newark, DE
²Velocity Physical Therapy, Los Angeles, CA
- 7 **Patient Factors Associated with Osteochondral Allograft Success in Knees With or Without Co-morbidities**
Clayton William Nuelle MD¹, Julia Nuelle MD¹, James L. Cook DVM, PhD¹, James P. Stannard MD²
¹University of Missouri, Columbia, MO
²Missouri Orthopaedic Institute, Columbia, MO
- 8 **ACL Roof Impingement Revisited**
John Anthony Tanksley MD¹, Evan J. Conte MD¹, Brian C. Werner MD¹, Frank Winston Gwathmey MD¹, Stephen F. Brockmeier MD¹, Mark D. Miller MD¹
¹University of Virginia, Charlottesville, VA
- 9 **College Athletes' Perception of Anterior Cruciate Ligament Injuries and Subsequent Reconstruction**
Daniel Bouton MD¹, Christopher Liebig MD², Melanie A. Morscher PT², Mark Adamczyk MD², Kerwyn C. Jones MD²
¹Akron General Medical Center, Akron, OH
²Akron Children's Hospital, Akron, OH
- 10 **Epidemiology of Isolated Meniscus Tears in Young Athletes**
Brendan David Masini MD¹, Jonathan F. Dickens MD², Christopher J. Tucker MD³, Kenneth L. Cameron PhD, MPH, ATC⁴, Steven J. Svoboda MD⁴, Brett D. Owens MD⁴
¹Evans Army Community Hospital, Ft. Carson, CO
²Walter Reed National Military Medical Center, Bethesda, MD
³Fort Belvoir Community Hospital, Fort Belvoir, VA
⁴Brown University, Providence, RI
- 11 **Quantitative Evaluation of the Pivot Shift—Relationship to Clinical Pivot Shift Grade: A Prospective International Multicenter Study**
Yuichi Hoshino¹, Volker Musahl MD², James J. Irrgang PhD, PT, ATC², Nicola Lopomo PhD³, Stefano Zaffagnini MD⁴, Jon Karlsson MD, PhD⁵, Ryosuke Kuroda MD¹, Freddie H. Fu MD¹
¹Kobe University, Kobe, Japan
²University of Pittsburgh Medical Center, Pittsburgh, PA
³Istituto Ortopedico Rizzoli, Bologna, Italy
⁴Lab Di Biomechanica, Bologna, Italy
⁵Sahlgrenska University Hospital Mölndal, Mölndal, Sweden
- 12 **The Pediatric International Knee Documentation Committee (Pedi-IKDC) Subjective Knee Evaluation Form: Normative Data**
Adam Y. Nasreddine MA¹, Susan Elizabeth Nelson MD, MPH², Patricia Connell MPH², Leslie Kalish DSc³, **Mininder S. Kocher MD, MPH¹**
¹Children's Hospital Boston, Boston, MA
²Royal University Hospital, Saskatoon, SK, Canada
- 13 **Poor Static Balance is a Novel Risk Factor for Non-contact Anterior Cruciate Ligament Injury**
Takeshi Oshima MD¹, Junsuke Nakase MD, PhD¹, Yasushi Takata MD¹, Hitoaki Numata MD¹, Hiroyuki Tsuchiya MD, PhD¹
¹Kanazawa University Hospital, Kanazawa City, Japan

Posters

- 14 Biomechanical Consequences of Lateral Meniscal Root Avulsions: Influence of the Meniscomfemoral Ligaments and Anterior Cruciate Ligament on Tibiofemoral Contact Mechanics**
Andrew G. Geeslin MD¹, David Marc Civitarese BA², Travis L. Turnbull PhD², Grant Dornan MSc², Fernando Fuso MD², Robert F. LaPrade MD, PhD³
¹Western Michigan University, Kalamazoo, MI
²Steadman Philippon Research Institute, Vail, CO
³The Steadman Clinic, Vail, CO
- 15 Comparison of Three-Dimensional Motion during Side-Step Cutting in Pediatric Athletes with Recent ACL Reconstruction and Those with No ACL Surgical History**
James Lee Pace MD¹, Nicole Mueske MS¹, Tracy Zaslow MD¹, Mia Katzel DPT¹, Matthew Chua PhD¹, Tishya Wren PhD¹
¹Children's Hospital Los Angeles, Los Angeles, CA
- 16 Impact of Preoperative Expectations and Fear of Movement on Return to Sport and KOOS Scores at 6 Months Following ACL Reconstruction**
Kristin Archer PhD¹, Emily Reinke PhD¹, **Laura J. Huston MS¹**, Mackenzie Bird¹, Erica Scaramuzza¹, Rogelio Coronado PhD¹, Christine Haug¹, Sn Vanston PT, MS¹, Kurt P. Spindler MD²
¹Vanderbilt University School of Medicine, Nashville, TN
²Cleveland Clinic Sports Health Center, Garfield Heights, OH
- 17 Increased Risk of Second Anterior Cruciate Ligament Injury for Female Soccer Players**
Alexander Harrison King BS¹, Aaron John Krych MD¹, Paul L. So MBA¹, Michael J. Stuart MD¹, Bruce A. Levy MD¹, Diane L. Dahm MD¹
¹Mayo Clinic, Rochester, MN
- 19 Evaluation of Three-Dimensional Motion During Side-Step Cutting After Anterior Cruciate Ligament Reconstruction in Pediatric Athletes**
James Lee Pace MD¹, Nicole Mueske MS¹, Mia Katzel DPT¹, Tracy Zaslow MD¹, Matthew Chua PhD¹, Tishya Wren PhD¹
¹Children's Hospital Los Angeles, Los Angeles, CA
- 20 Percutaneous Partial Medial Collateral Ligament Release (PPMCLR) Does Not Result in Residual Medial Collateral Laxity (MCL)**
M. Alan Hinton MD¹
¹Hinton Biologics, Lake Charles, LA
- 21 Early Intervention Strategies for Acute Cartilage Injury: Ex-vivo Porcine Knee Model**
Amaris Genemaras BS¹, Chun-Yuh Charles Huang PhD¹, Lee D. Kaplan MD¹
¹University of Miami, Miami, FL
- 22 The Costs Associated with the Perioperative Management of Articular Cartilage Lesions in the United States**
Joanne Y. Zhang BA¹, Yermie Cohen BS², Jeffrey C. Wang MD³, David R. McAllister MD², Frank A. Petrigliano MD², Kristofer J. Jones MD²
¹Duke University, Durham, NC
²University of California at Los Angeles, Los Angeles, CA
³University of Southern California, Los Angeles, CA
- 23 Trends in Articular Cartilage Treatments of the Knee: An American Board of Orthopaedic Surgery Database Study**
Robert W. Westermann MD¹, Kyle R. Duchman MD¹, Annunziato Amendola MD¹
¹University of Iowa Hospitals and Clinics, Iowa City, IA
- 24 Cortical Button Fixation: A Better Patellar Tendon Repair?**
Gabriella E. Ode MD¹, Dana P. Piasecki MD², Nahir A. Habet¹, Richard Dennis Peindl PhD¹
¹Carolinas Medical Center, Charlotte, NC
²OrthoCarolina, Charlotte, NC
- 25 Assessing Patellar Instability: Relating Tibial Tubercle Trochlear Groove Distance to Patient Specific Anatomy**
Christopher L. Camp MD¹, Mark Heidenreich¹, Diane L. Dahm MD¹, Michael J. Stuart MD¹, Bruce A. Levy MD¹, Aaron John Krych MD¹
¹Mayo Clinic, Rochester, MN
- 26 Hyaluronic Acid vs. Platelet-Rich Plasma: Double-Blind Randomized Controlled Trial Comparing Clinical Outcomes and Intra-Articular Biology for Treatment of Knee Arthritis**
Brian J. Cole MD, MBA¹, Lisa A. Fortier DVM, PhD², Vasili Karas MD¹, Kristen Elizabeth Hussey BS¹, Annemarie K. Tilton BS¹, David B. Merkow BS¹, Nikhil N. Verma MD¹, Bernard R. Bach MD¹, Brian Forsythe MD¹
¹Rush University Medical Center, Chicago, IL
²Cornell University, Ithaca, NY
- 27 Medial Opening Wedge High Tibial Osteotomy: A Retrospective Review of Patient Outcomes over 10 Years**
Fotios P. Tjoumakaris MD¹, Nick J. Lombardi¹, Bradford S. Tucker MD¹, Matthew D. Pepe MD²
¹Rothman Institute, Egg Harbor Township, NJ
²Rothman Institute of Orthopaedics at Thomas Jefferson University, Philadelphia, PA



- 28 Short-Term Outcomes of the Subchondroplasty Procedure for the Treatment of Bone Marrow Edema Lesions in Patients with Knee Osteoarthritis**
Adrian Thomas Davis MD¹, Jennifer Marie Byrd MD¹, Justin Angelo Zenner DO¹, Darren A. Frank MD², Patrick J. DeMeo MD¹, Sam Akhavan MD¹
¹Allegheny General Hospital, Pittsburgh, PA
²Allegheny Orthopaedic Associates, Pittsburgh, PA
- 29 The Anterolateral Ligament (ALL): A Comprehensive Study Encompassing Anatomic and Radiographic Landmarks, and Native Structural Properties**
Mitchell Lung Kennedy¹, Steven Claes MD², Fernando Fuso MD¹, Brady T. Williams BS¹, Mary T. Goldsmith MSc¹, Travis L. Turnbull PhD¹, Coen A. Wijdicks PhD¹, Robert F. LaPrade MD, PhD³
¹Steadman Philippon Research Institute, Vail, CO
²University Hospitals Leuven, Pellenberg, Belgium
³The Steadman Clinic, Vail, CO
- 30 Incidence of Delayed Anterior Cruciate Ligament Reconstruction in Skeletally Immature Patients with Previous Anterior Tibial Spine Fractures**
Justin Mitchell MD¹, Ryan R. Fader MD¹, Jason Rhodes MD², Armando F. Vidal MD¹
¹University of Colorado Sports Medicine Center, Denver, CO
²Children's Hospital Colorado, Aurora, CO
- 31 Outcomes of Meniscal Allograft Transplantation in the Pediatric Athlete**
Jonathan C. Riboh MD¹, Annemarie K. Tilton BS¹, Gregory Cvetanovich MD¹, Kirk A. Campbell¹, **Brian J. Cole MD, MBA¹**
¹Rush University Medical Center, Chicago, IL
- 32 Long-Term Follow-up of Pediatric ACL Reconstruction in New York State: High Rates of Subsequent ACL Reconstruction**
Maira McCarthy MD¹, Emily Dodwell MD, MPH¹, Ting Pan MPH¹, Daniel W. Green MD¹
¹Hospital for Special Surgery, New York, NY
- 33 Long-Term Follow-up of Arthroscopic Treatment of Discoid Lateral Meniscus in Children**
Jonathan D. Haskel BA¹, Tyler J. Uppstrom BA², David Dare MD², Scott A. Rodeo MD², **Daniel W. Green MD²**
¹Robert Wood Johnson Medical School, Piscataway, NJ
²Hospital for Special Surgery, New York, NY
- 34 Increased Lateral Tibial Slope is a Risk Factor for Pediatric ACL Injury: An MRI-Based Case-Control Study of 152 Patients**
David Dare¹, Peter D. Fabricant MD, MPH², Maira McCarthy MD¹, Brian J. Rebolledo MD¹, Daniel W. Green MD¹, Frank A. Cordasco MD, MS¹, Kristofer J. Jones MD³
¹Hospital for Special Surgery, New York, NY
²Children's Hospital of Philadelphia, Philadelphia, PA
³University of California, Los Angeles, Los Angeles, CA
- 35 Limited Retinacular Vessel Damage Does Not Compromise Femoral Head Perfusion during Hip Arthroscopy – Can the Vascular Safe Zone be Extended?**
Danyal H. Nawabi MD¹, Asheesh Bedi MD², Bryan T. Kelly MD¹
¹Hospital for Special Surgery, New York, NY
²University of Michigan, Ann Arbor, MI
- 36 Biomechanical Effect of Capsular Shift in the Treatment of Hip Microinstability. Creation and Testing of a Novel Hip Instability Model**
Timothy J. Jackson MD¹, Alexander Bradley Peterson BA², Masaki Akeida MD², Allyson A. Estess MD¹, Michelle H. McGarry MS², Gregory J. Adamson MD¹, Thay Q. Lee PhD²
¹Congress Medical Associates, Pasadena, CA
²VA Long Beach Healthcare System, Long Beach, CA
- 37 Biomechanical Evaluation of Capsulotomy and Capsular Repair in the Hip: Restoring Stability**
Thomas H. Wuerz MD¹, Sang Hoon Song BS¹, Jeffrey S. Grzybowski¹, Mitchell Greenberg MS¹, Alejandro Espinoza PhD¹, **Shane Jay Nho MD, MS¹**
¹Rush University Medical Center, Chicago, IL
- 38 Outcomes of 1,038 Hip Arthroscopies: A Two-Year Follow-up Study**
Parth Lodhia MD¹, Tim Martin MA¹, Chengcheng Gui BSE¹, Christine E. Stake MA¹, S. Pavan Vemula MA¹, Carlos Suarez-Ahedo MD¹, Sivashankar Chandrasekaran MD¹, **Benjamin G. Domb MD¹**
¹Hinsdale Orthopaedics and American Hip Institute, Westmont, IL
- 39 Outcomes for Hip Arthroscopy Based on Sex and Age: A Comparative Matched-Group Analysis**
Rachel M. Frank MD¹, Simon Lee MPH¹, Jeffrey S. Grzybowski BS¹, Gregory Cvetanovich MD¹, Richard C. Mather MD², Charles A. Bush-Joseph MD¹, Michael Jonathan Salata MD³, Shane Jay Nho MD, MS¹
¹Rush University Medical Center, Chicago, IL
²Duke University Medical Center, Durham, NC
³University Hospitals Case University, Shaker Heights, OH

Posters

- 40 Age-Related Trends in Hip Arthroscopy: A Large Cross-Sectional Analysis**
Alan L. Zhang MD¹, David C. Sing BS¹, Brian T. Feeley MD¹
¹University of California at San Francisco Medical Center, San Francisco, CA
- 41 Revision Hip Arthroscopy in the Youth Athlete**
Justin T. Newman MD¹, Marc J. Philippon MD¹, Adriana Saroki¹, Karen K. Briggs MPH, MBA¹
¹Steadman Philippon Research Institute, Vail, CO
- 42 Does Revision Hip Arthroscopy Result in Improved Clinical Outcomes?—A 2-Year Clinical Follow-up on All Revision Hip Arthroscopies Performed at a High Volume Referral Center**
Asheesh Gupta MD, MPH¹, John M. Redmond MD², Kevin F. Dunne BS², Christine E. Stake DHA², Benjamin G. Domb MD²
¹NoVa Orthopedic and Spine Care, Woodbridge, IL
²Hinsdale Orthopaedics and American Hip Institute, Westmont, IL
- 43 Foot Progression Angle Walking Test—An Effective Dynamic Test for the Diagnosis of Femoroacetabular Impingement and Hip Instability**
Anil S. Ranawat MD¹, Caroline Park BA¹, Thomas Licatesi BS¹, Brian J. Rebolledo MD¹, James Satalich BS¹
¹Hospital for Special Surgery, New York, NY
- 44 Arthroscopic Management of Dysplastic Hip Morphologies: Predictors of Success and Failures and Comparison to an Arthroscopic FAI Cohort**
Christopher M. Larson MD¹, James R. Ross MD², Rebecca M. Stone MS, ATC¹, Kathryn M. Samuelson BS¹, Russell Giveans PhD¹, Asheesh Bedi MD³
¹Minnesota Orthopaedic Sports Medicine Institute at Twin Cities Orthopedics, Edina, MN
²Broward Orthopedic Specialists, Ft. Lauderdale, FL
³University of Michigan, Ann Arbor, MI
- 45 Surgeon Radiation Exposure in Hip Arthroscopy: A Prospective Analysis**
John P. Salvo MD¹, Jake Zarah MD²
¹Rothman Institute, Marlton, NJ
²Thomas Jefferson University, Philadelphia, PA
- 46 Are Lesser Trochanteric Tenotomies More Effective than Labral-Level Releases for the Treatment of Iliopsoas Snapping and Impingement?**
Samuel R. H. Steiner MD¹, James S. Keene MD¹
¹University of Wisconsin, Madison, WI
- 47 A Matched-Pair Controlled Study of Arthroscopic Psoas Tenotomy with Minimum 2-Year Follow-up: Do Patients with Psoas Tenotomy Achieve Similar Outcomes?**
John M. Redmond MD¹, Aaron R. Schwartz MD¹, Asheesh Gupta MD, MPH¹, Christine E. Stake DHA¹, Nathan Finch MA¹, Benjamin G. Domb MD¹
¹Hinsdale Orthopaedics and American Hip Institute, Westmont, IL
²University of Illinois Chicago, Chicago, IL
- 48 Risk Factors for Early Conversion to Total Hip Arthroplasty following Hip Arthroscopy**
John M. Redmond MD¹, Asheesh Gupta MD, MPH², Kevin Fanning Dunne BS³, Christine E. Stake DHA³, Benjamin G. Domb MD³
¹Mayo Clinic Florida, Jacksonville, FL
²NoVa Orthopedic and Spine Care, Woodbridge, VA
³Hinsdale Orthopaedics and American Hip Institute, Westmont, IL
- 49 Operative vs. Non-Operative Treatment of Achilles Tendon Ruptures: A Systematic Review of Overlapping Meta-Analyses**
Brandon J. Erickson MD¹, Randhir Mascarenhas MD², Bryan Michael Saltzman MD¹, David Walton¹, Simon Lee MD¹, Brian J. Cole MD, MBA¹, Bernard R. Bach MD¹
¹Rush University Medical Center, Chicago, IL
²University of Texas-Houston, Houston, TX
- 50 Convergent Validity of the Patient Reported Outcomes Measurement Information System's (PROMIS) Physical Function Computerized Adaptive Test (PF-CAT) for the Knee and Shoulder Injury Sports Medicine Patient Population**
Richard Judd Robins MD¹, Yingying Zhang MS¹, Mike B. Anderson MS, ATC¹, Angela P. Presson PhD, MS¹, Robert T. Burks MD¹, Patrick E. Greis MD¹
¹University of Utah, Salt Lake City, UT
- 51 Predictive Value of Preseason Screening in Collegiate Baseball Pitchers**
James M. Paci MD¹, Christopher Michael Jones MD¹, Jie Yang PhD¹, Jiawen Zhu MS¹, David Komatsu PhD¹, Arturo Flores MS, ATC¹, David Van Dyke MS, SCCC, CS¹
¹Stony Brook University, Stony Brook, NY
- 52 The Impact of Prior Upper Extremity Surgery on Orthopaedic Injury and Surgery in Collegiate Athletes**
Caitlin Marie Rugg MS, BA¹, Dean Wang MD¹, Erik Mayer¹, Neal Berger MD², Jeremy Vail MPT, OCS, MTC, ATC¹, Pamela Sulzicki MS, ATC¹, Sharon L. Hame MD¹
¹University of California at Los Angeles, Los Angeles, CA
²SOAR Sports Medicine Fellowship Program, Redwood City, CA



53 How Accurate are Patients at Diagnosing the Cause of Their Knee Pain with the Help of a Web-Based Symptom Checker?

Leslie J. Bisson MD¹, Jorden Komm², Geoffrey A. Bernas MD¹, John M. Marzo MD¹, Michael A. Rauh MD¹

¹UB Orthopaedics and Sports Medicine, Amherst, NY

²SUNY at Buffalo, Buffalo, NY

54 An Evaluation of the Clinical and Anatomic Predictors of Outcomes at a Minimum of 2 Years following the Latarjet Procedure for Recurrent Anterior Shoulder Instability with Glenoid Bone Loss

William R. Mook MD¹, Maximilian Petri MD¹, Joshua A. Greenspoon BSc¹, Marilee P. Horan MPH¹, Peter J. Millett MD, MSc²

¹Steadman Philippon Research Institute, Vail, CO

²Steadman Clinic, Vail, CO

55 Stability of the Glenohumeral Joint with Combined Humeral Head and Glenoid Defects: A Cadaveric Study

Lionel Gottschalk MD¹, Piyush Walia MS¹, Ronak Patel MD², Matthew Kuklis MS¹, Morgan H. Jones MD¹, Stephen D. Fening PhD³, Anthony Miniaci MD¹

¹Cleveland Clinic Foundation, Cleveland, OH

²Hinsdale Orthopaedic Associates, Hinsdale, IL

³Case Western Reserve University, Akron, OH

56 Outcomes of Bankart Repairs Using Modern Arthroscopic Technique in an Athletic Population

Charles Milchteim MD¹, Scott A. Tucker MD², Richard J. Lamour MD³, Darin D. Nye MD⁴, James R. Andrews MD³, Roger V. Ostrander MD³

¹Orlin and Cohen Orthopedic Associates, Woodbury, NY

²Orthopaedic Specialists of New Orleans, New Orleans, LA

³Andrews Research and Education Institute, Gulf Breeze, FL

⁴Northwest Ohio Orthopedics & Sports Medicine, Inc., Findlay, OH

57 Shoulder Instability in the Overhead Athlete: A Systematic Review Comparing Arthroscopic and Open Stabilization Procedures

Nima Nassiri BS¹, Claire Eliasberg¹, Kristofer J. Jones MD¹, David R. McAllister MD¹, Frank A. Petrigliano MD¹

¹University of California Los Angeles, Los Angeles, CA

58 Functional Outcomes after Double Row vs. Single Row Rotator Cuff Repair: A Prospective Randomized Trial

Stephen J. Nicholas MD¹, Steven J. Lee MD¹, Michael John Mullaney DPT¹, Timothy F. Tyler MS, PT, ATC¹, Christopher D. Johnson DPT¹, Takumi Fukunaga DPT¹, Malachy P. McHugh PhD¹

¹Nicholas Institute of Sports Medicine and Athletic Trauma, Lenox Hill Hospital, New York, NY

59 Arthroscopic Transosseous Rotator Cuff Repair: A Prospective Study on Cost Savings, Surgical Time, and Outcomes

Luke Austin MD¹, Eric M. Black MD¹, **Nick J. Lombardi¹**, Matthew D. Pepe MD², Mark Lazarus³

¹Rothman Institute, Egg Harbor Township, NJ

²Rothman Institute, Philadelphia, PA

³Thomas Jefferson University, Philadelphia, PA

60 Does Smoking Affect Treatment Allocation and Outcomes in Patients with Rotator Cuff Tears?

Germanuel Lavar Landfair MS¹, Christopher Robbins¹, Joel Joseph Gagnier ND, PhD¹, Asheesh Bedi MD¹, James E. Carpenter MD¹, **Bruce S. Miller MD, MS¹**

¹University of Michigan, Ann Arbor, MI

61 Pre-Existing Rotator Cuff Tears As a Predictor of Outcomes in National Football League Athletes

Daniel Gibbs MD¹, Thomas Sean Lynch MD², M. Mustafa Gomberawalla MD³, Greg Schroeder MD¹, Mark LaBelle BS¹, Brian P. Hollett⁴, Matthew Saltzman MD¹, Gordon W. Nuber MD¹

¹Northwestern University, Chicago, IL

²Columbia Orthopaedics, New York, NY

³Greenleaf Orthopaedic Associates, Gurnee, IL

⁴Wayne State University, Detroit, MI

62 Clinical Assessment of the Dynamic Shear Test for SLAP Lesions

Sonal Sodha MEng¹, Jacob Joseph BA¹, Amrut Borade MD¹, **Edward G. McFarland MD¹**

¹The Johns Hopkins University, Baltimore, MD

63 Throwing-Related Injuries of the Subscapularis in Professional Baseball Players

Thomas Sean Lynch MD¹, Joshua Polster MD², Lonnie Soloff DPT, ATC³, Jennifer Bullen MS², Naveen Subhas MD², Gregory Harkey MD², Mark S. Schickendantz MD²

¹Columbia University Medical Center, New York, NY

²Cleveland Clinic, Cleveland, OH

³Cleveland Indians, Cleveland, OH

65 Do Innings Pitched Prior to Age 25 Affect MLB Pitcher Longevity?

Jefferson C. Brand MD¹, Richard Hardy MA, ATC¹, Bowman Raymond¹, Ajibewa Tiwaloluwa¹

¹Heartland Orthopedic Specialists, Alexandria, MN

Posters

66 Predictive Risk of Ulnar Collateral Ligament Injury Based on Ligament Morphology and Dynamic Abnormalities in Professional Baseball Pitchers Using Stress Ultrasonography

Braden K. Mayer MD¹, Ellen Shanley PhD², Lane Brooks Bailey DPT², Charles A. Thigpen PT, PhD, ATC², Douglas J. Wyland MD³, Richard J. Hawkins MD, FRCSC³, Michael J. Kissenberth MD³, **Thomas J. Noonan MD¹**

¹Steadman Hawkins Clinic, Greenwood Village, CO

²Proaxis Therapy, Greenville, SC

³Steadman-Hawkins Clinic of the Carolinas, Spartanburg, SC

67 Strength of Dynamic Stabilizers of the Elbow in Professional Baseball Pitchers Decreases During Baseball Season

Bruce Toby MD¹, Evan Glidewell BS¹, Brandon Morris MD¹, Vincent H. Key MD¹, Joshua D. Nelson MD, PharmD¹, John Paul Schroepel MD¹, Damon Mar MS¹, Heath Melugin BS¹, Sharon Bradshaw CCRP¹, Terence McIlff PhD¹

¹University of Kansas Medical Center, Kansas City, KS

69 A Biomechanical and Clinical Comparison of Midshaft Clavicle Fixation Performed with Either Two or Three Screws on Each Side of the Plate

Christopher Larsen¹, Brian Sleasman¹, Steven Chudik MD²

¹Loyola Stritch School of Medicine, Maywood, IL

²Hinsdale Orthopedics, Westmont, IL

70 Two-Year Outcomes following Biologic Patch Augmentation for the Treatment of Massive Rotator Cuff Tears

Maximilian Petri MD¹, Ryan J. Warth MD¹, Marilee P. Horan MPH¹, Joshua A. Greenspoon BSc¹, Peter J. Millett MD, MSc²

¹Steadman Philippon Research Institute, Vail, CO

²Steadman Clinic, Vail, CO

71 Dynamometer Elbow Strength and Endurance Testing After Distal Biceps Reconstruction with Allograft

Alan McGee¹, Eric Jason Strauss MD¹, **Laith M. Jazrawi MD¹**

¹New York University Hospital for Joint Diseases, New York, NY

72 Patient Activity Levels after Reverse Total Shoulder Arthroplasty: What are Patients Doing?

Grant Garcia MD¹, Samuel A. Taylor MD¹, Gregory Thomas Mahony BA¹, Brian Grawe MD², Joshua S. Dines MD¹, Russell F. Warren MD¹, Edward V. Craig MD¹, Lawrence Vincent Gulotta MD¹

¹Hospital For Special Surgery, New York City, NY

²University of Cincinnati, Cincinnati, OH

73 Does Prior Shoulder Surgery Negatively Impact Shoulder Arthroplasty Outcomes?

Rachel M. Frank MD¹, Sal Aiyash BS¹, Noam Kupfer BS¹, Annemarie K. Tilton BS¹, **Brian J. Cole MD, MBA¹**, Nikhil N. Verma MD¹, Gregory P. Nicholson MD¹, Anthony A. Romeo MD¹

¹Rush University Medical Center, Chicago, IL

74 Results of Arthroscopically-Assisted Core Decompression for Avascular Necrosis of the Proximal Humerus

Tracy Ng DO¹, Steven Adam Giuseffi MD², Larry D. Field MD¹

¹Mississippi Sports Medicine and Orthopaedic Center, Jackson, MS

²Black Hills Orthopedic and Spine, Rapid City, SD

AOSSM gratefully acknowledges ConMed for an educational grant in support of the posters and guided poster tours.

**AOSSM/AAOS
Orthopaedic Sports Medicine
Review Course**

August 14-16, 2015
The Westin Chicago River North
Chicago, Illinois

**BE PREPARED!
BE INFORMED!
BE CONFIDENT!
BE AWESOME!**

We created the perfect program to support your CME/MOC needs with a 2 ½ day learning experience led by renowned sports medicine faculty coupled with access to the 2015 Self-Assessment Exam (SAE).

Review the science, take the SAE, and step into your ABOS exam with knowledge, test-taking practice, and confidence.

Register now at www.sportsmed.org/boardreviewcourse

*AOSSM gratefully acknowledges **Arthrex** for an educational grant in support of the Orthopaedic Sports Medicine Review Course.*



The American Orthopaedic
Society for Sports Medicine

AAOS
AMERICAN ACADEMY OF
ORTHOPAEDIC SURGEONS

Workshops



Wednesday, July 8, 2015
11:45am – 5:00pm

2015 AOSSM / SPTS Pre-Conference Program

(All are invited to attend this complimentary course)

Location: Citrus / Collier / Columbia

- | | |
|--------------------------|--|
| 11:50am – 12:00pm | Welcome & Introductions
Kevin E. Wilk PT, DPT, FAPTA |
| 12:00pm – 1:00pm | Suprascapular Nerve Lesions in the Overhead Athlete
Marc R. Safran MD
Todd S. Ellenbecker DPT, SCS, OCS |
| 1:00pm – 2:00pm | Lower Extremity Injuries in Basketball Players
Richard D. Parker MD
Gary J. Calabrese DPT |
| 2:00pm – 3:00pm | ACL Injuries in Athletes: Prevention and Treatment
Bert R. Mandelbaum MD
Holly J. Silvers MPT |
| 3:00pm – 4:00pm | End Game: Massive Rotor Cuff Treatment Concepts
Scott D. Mair MD
Terry R. Malone PT, EdD |
| 4:00pm – 5:00pm | UCL Reconstruction or Repair: Which One?
Jeffrey R. Dugas MD
Kevin E. Wilk PT, DPT, FAPTA |
| 5:00pm | Course Adjourns |

AOSSM Medical Publishing Group Reviewers' Workshop

Thursday, July 9, 2015
12:30pm – 2:00pm

Program Planners

Bruce Reider MD
Brett D. Owens MD
James L. Carey MD, MPH

Location

Hilton Bonnet Creek
Citrus / Collier / Columbia

Program Cost

All meeting attendees are eligible to participate. Complimentary for *AJSM*, *Sports Health*, and *OJSM* reviewers; \$45.00 for non-reviewers.

Register for this workshop at the AOSSM Registration Desk or online. Boxed lunch is included.

Program Description

James L. Carey MD, MPH

Department of Orthopaedic Surgery
Perelman School of Medicine at the University of Pennsylvania
Philadelphia, PA

How to Review a Cohort Study

Dr. Carey will discuss proper study design and statistical analysis related to prospective cohort studies. Some specific statistical issues that will be reviewed include multivariable logistic regression and power analysis. Examples taken directly from the orthopaedic sports medicine literature will be used to highlight key principles.

Brett D. Owens MD

Department of Orthopaedic Surgery
Brown University Alpert Medical School
Providence, RI

How to Review a Randomized Controlled Trial

Just because a study's design is a Randomized Control Trial (RCT), it does not mean that the study is well-planned or executed. The RCT compares an experimental treatment with a currently accepted control and is generally the gold standard in research. Dr. Owens will guide attendees through identifying and measuring the critical aspects of an RCT and how it can be applied to reviewing articles.

Workshop Objectives

Upon completion of this live educational activity, participants will be able to:

- Properly identify and measure the critical aspects of a Randomized Control Trials
- Discuss cohort studies and the basic and advanced analytic methods

Statement of Need

The need for this live educational activity is based on *AJSM* manuscript reviewer evaluations and requests of attendees from past workshops.

Target Audience

This workshop has been designed for practicing orthopaedic surgeons, physicians, and allied health professionals in the field of sports medicine or related fields of practice who would like to improve their ability to evaluate critically the orthopaedic sports medicine literature.

Program Information

AOSSM attests that the people responsible for the development of this live educational activity did so independently and were not influenced by commercial supporters.

Accreditation / AMA / PRA Credits

The American Orthopaedic Society for Sports Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The American Orthopaedic Society for Sports Medicine designates this live activity for a maximum of **1.5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Accreditation / NATA Credits

The American Orthopaedic Society for Sports Medicine is recognized by the Board of Certification, Inc. to offer continuing education for Certified Athletic Trainers. This program has been approved for a maximum of **1.5 hours** of Category A continuing education. Certified Athletic Trainers are responsible for claiming only those hours actually spent participating in the continuing education activity.

BOC Approved Provider Number: **P460**

Empirical Answers to Burning Clinical Questions

Saturday, July 11, 2015
1:00pm – 4:30pm

Program Planners

Robert F. LaPrade MD, PhD
Jason L. Dragoo MD
Warren R. Dunn MD, MPH
Mark R. Hutchinson MD

Location

Hilton Bonnet Creek
Floridian Ballroom J-L

Program Cost

There is no cost for this program. Please register for this workshop at the AOSSM Registration Desk or online. A light lunch/snack will be provided.

Program Description

The workshop will present empirically based answers that address the most common clinical questions posed by the AOSSM membership. The workshop will focus only on information from high-quality research studies and not clinical experience or anecdotal evidence. In October 2013, AOSSM conducted a survey of the membership regarding a wide variety of topics. The AOSSM Research Committee was struck by the responses to one item, "What is the one clinical question you encounter for which a solid research-based answer would have the greatest potential impact on your practice?" The top five questions of interest were organized into the following:

1. How do we optimize rotator cuff healing?

- Stem cells and growth factors (Scott A. Rodeo MD)
- Scaffold augmentation (William N. Levine MD)
- Double row vs. single row (Stephen S. Burkhart MD)

2. Are there different outcomes between techniques and fixation methods for ACL reconstruction? (Kurt P. Spindler MD)

3. What are the best grafts to use for ACL reconstruction?

- Autograft choices (Lars Engebretsen MD, PhD)
- Autograft vs. Allograft (Rick W. Wright MD)

4. How can we reduce the likelihood that our knee injury patients will develop OA? (Constance R. Chu MD)

5. Does PRP "work"?

- Intra-articular use (Jason L. Dragoo MD)
- Tendinopathy (Allan K. Mishra MD)
- Acute/chronic tears (Augustus D. Mazzocca MD, MS)

Workshop Objectives

The purpose of this workshop is to review the latest scientific evidence that addresses the questions listed in the program description. The agenda for the workshop was developed by members of the AOSSM Research Committee with scientific experts outside the committee.

Statement of Need

A need for this live activity has been determined based on identifying professional practice gaps, previous course evaluations, the AOSSM Self Assessment, and the AOSSM Educational curriculum.

Target Audience

This workshop has been designed for orthopaedic surgeons, other physicians, and allied health professionals in the field of sports medicine.

Program Information

AOSSM attests that the people responsible for the development of this live activity did so independently and were not influenced by commercial supporters.

Accreditation / AMA / PRA Credits

The American Orthopaedic Society for Sports Medicine (AOSSM) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The American Orthopaedic Society for Sports Medicine designates this live activity for a maximum of **3.5 AMA PRA Category 1 Credit(s)**[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Accreditation / NATA Credits

The American Orthopaedic Society for Sports Medicine is recognized by the Board of Certification, Inc. to offer continuing education for Certified Athletic Trainers. This program has been approved for a maximum of **3.5** hours of Category A continuing education. Certified Athletic Trainers are responsible for claiming only those hours actually spent participating in the continuing education activity.

BOC Approved Provider Number: **P460**

Young Sports Medicine Specialists' Workshop

Your Practice—Your Way

Saturday, July 11, 2015
1:00pm – 3:00pm

Faculty

Jefferson C. Brand Jr., MD (Co-Chair)
Mary Lloyd Ireland MD (Co-Chair)
George A. Paletta Jr., MD
William Champion
John D. Kelly IV, MD
John Cherf MD, MPH, MBA
Bradley J. Nelson MD
Christopher M. Larson MD

Location

Hilton Orlando Bonnet Creek
Nassau

Program Cost

\$70 per person

Register for this workshop at the AOSSM Registration Desk or online.

A light lunch/snack is included with the registration fee.

Program Description

Are you within 5 years of your fellowship? Considering adding a surgicenter to your practice? Do you question the role of social media in your practice? Do you struggle incorporating research into your practice? Is team coverage a part of your practice? Do operating room politics wear you out? Are you satisfied with the balance in your life? Our national faculty with experts, including George Paletta Jr., MD, St. Louis Cardinals Baseball Team Physician, and William Champion, a nationally recognized orthopaedic marketing specialist, will give you savvy, proven advice with step-by-step implementation for your practice. Open discussion and small group discussions allow exchange of actionable information to improve your practice and your life.

1:00pm – 1:05pm

Introduction

Mary Lloyd Ireland MD
Jefferson C. Brand Jr., MD

1:05pm – 1:25pm

Physician-Owned Surgicenter Treatment of Total Joint Arthroplasty

George A. Paletta Jr., MD

1:25pm – 1:30pm

Questions

1:30pm – 1:50pm

Marketing Your Practice to Your Patients

William Champion

1:50pm – 2:15pm

Panel Discussion/Cases

George A. Paletta Jr., MD,
William Champion, Mary Lloyd Ireland MD,
and Jefferson C. Brand Jr., MD

2:15pm – 3:00pm

Small Groups

Workshop Objectives

Upon completion of this workshop, learners will be able to:

- Discuss where to spend time, money, and energy promoting your sports medicine practice, and where not to
- Discuss the establishment of outpatient surgical centers for inpatient procedures
- Incorporate research into your practice
- Explore the possibility of balancing lifestyle with practice
- Describe advancing team coverage in your sports medicine practice

Statement of Need

AOSSM has determined a need for this live educational activity based on previous course evaluations, AOSSM surveys, AOSSM Educational Curriculum, Self Assessment, and topics provided by AOSSM membership and leadership.

Target Audience

Sports medicine physicians who would like to sustain a modern sports medicine practice and are within approximately 5 years of their fellowship.

Program Information

AOSSM attests that the people responsible for the development of this live educational activity did so independently and were not influenced by commercial supporters.

Accreditation / AMA / PRA Credits

The American Orthopaedic Society for Sports Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The American Orthopaedic Society for Sports Medicine designates this live activity for a maximum of **2 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AOSSM gratefully acknowledges Flexion Therapeutics for an educational grant in support of this workshop.

AOSSM Research Grants & Awards

AOSSM Young Investigator Grant

Pre-Review Submission Deadline: August 15, 2015

Final Applications Deadline: December 1, 2015

Provides an award up to \$50,000, aimed at providing “seed money” for pilot or small-scale projects. The principal investigator must be an early career orthopaedic surgeon, fellow, or resident with interests in sports medicine research.

*AOSSM gratefully acknowledges the **Musculoskeletal Transplant Foundation (MTF)** for their support of this grant.*

AOSSM Sandy Kirkley Clinical Outcomes Grant

Pre-Review Submission Deadline: August 15, 2015

Final Applications Deadline: December 1, 2015

Provides \$20,000 in funding specifically for a clinical outcomes research project. Applicants are not restricted to newer investigators.

To help applicants strengthen their submissions for the Young Investigator and Sandy Kirkley Clinical Outcomes Grants, the AOSSM Research Committee will pre-review and critique applications prior to the final application deadline. This pre-review is **STRONGLY RECOMMENDED** but not required.

AOSSM/Sanofi Biosurgery Osteoarthritis Grant

Submission Deadline: January 1, 2016

Funds investigations related to early osteoarthritis (OA) and/or prevention of OA progression. The grant will be for \$50,000 to support either a clinical research study or a lab/basic science project. Proposed studies need not relate specifically to sports injuries and should also have broad applicability to OA in the general population.

*AOSSM gratefully acknowledges **Sanofi** for their support of this grant.*

For more information visit:

www.sportsmed.org/research



The American Orthopaedic
Society for Sports Medicine

Bart Mann Award for the Advancement of Sports Medicine Research

Submission Deadline: To Be Announced

This newly created \$5,000 award, in honor of AOSSM's first Director of Research, will be given to up to five AOSSM members to support service to the profession, as well as their professional development, as reviewers on the NIH Study Section for sports medicine and orthopaedics.

An informal NIH Reviewer Information Session will take place on Thursday, July 9 from 4:00pm – 5:00 pm in the Broward Room of the Hilton Bonnet Creek to discuss how serving on an NIH study section and reviewing grant applications can be beneficial to your career.

AOSSM Research Awards

Submission Deadline: November 1, 2015

Recognizes outstanding research in orthopaedic sports medicine. Awards are made in three categories:

- Basic science studies
- Clinical research
- Either basic science or clinical research conducted by an individual under 40 years old

Applications must be full manuscripts and cannot have been presented, published, or accepted for presentation or publication prior to submission.

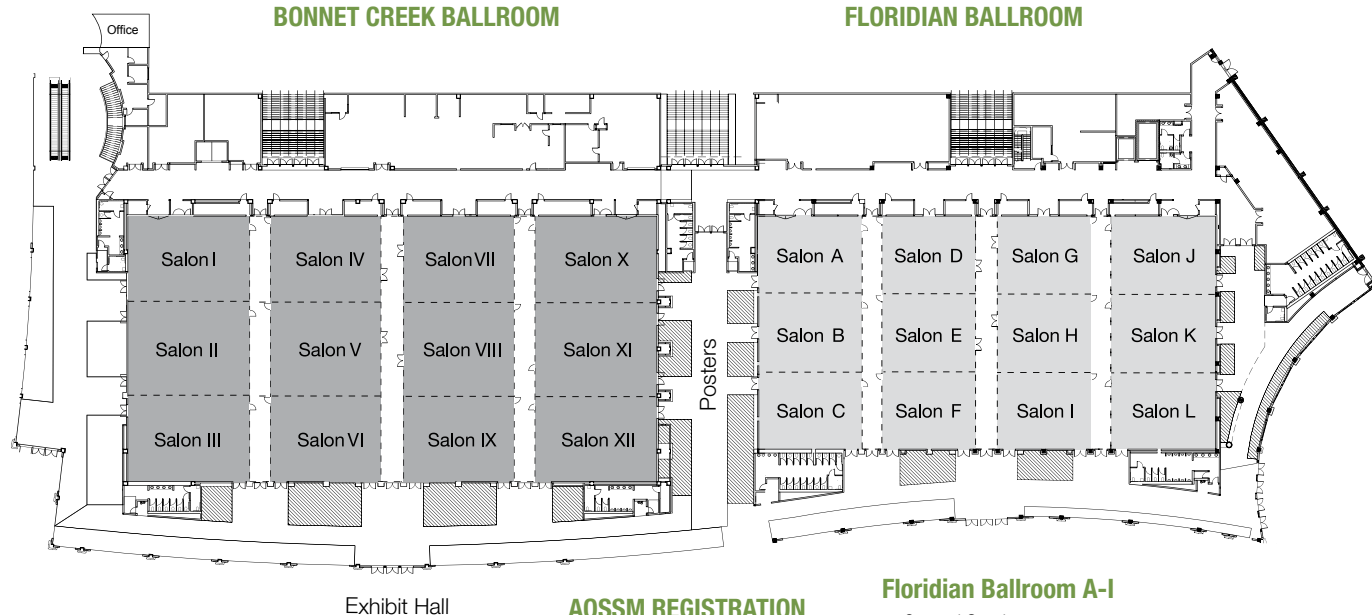


General Information



HILTON ORLANDO BONNET CREEK BONNET CREEK BALLROOM

HILTON ORLANDO BONNET CREEK FLORIDIAN BALLROOM



AOSSM REGISTRATION

Floridian Ballroom A-I

- General Sessions
- Concurrent A

Floridian Ballroom J-L

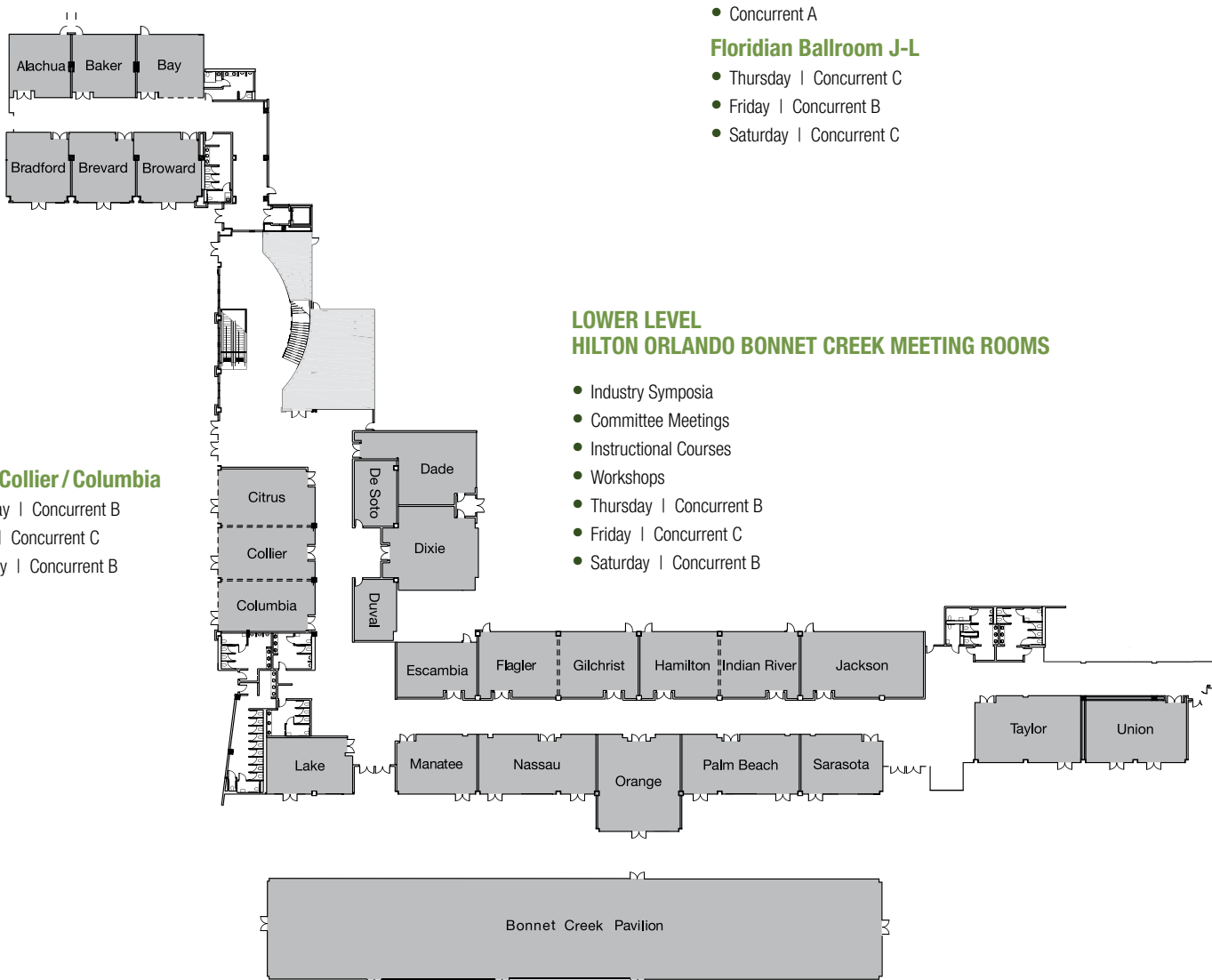
- Thursday | Concurrent C
- Friday | Concurrent B
- Saturday | Concurrent C

Citrus/Collier/Columbia

- Thursday | Concurrent B
- Friday | Concurrent C
- Saturday | Concurrent B

LOWER LEVEL HILTON ORLANDO BONNET CREEK MEETING ROOMS

- Industry Symposia
- Committee Meetings
- Instructional Courses
- Workshops
- Thursday | Concurrent B
- Friday | Concurrent C
- Saturday | Concurrent B



Committee Meetings/Receptions

ALL MEETINGS HELD AT THE HILTON BONNET CREEK UNLESS OTHERWISE NOTED

FUNCTION	LOCATION	TIME
Wednesday		
Board of Directors	Dade	7:30am – 3:30pm
Thursday		
Corporate Relations Committee	Alachua	6:30am – 8:00am
PICME Committee	Baker	7:00am – 8:00am
Publications Committee	Brevard	11:30am – 1:00pm
CLRA Committee	Alachua	12:00pm – 1:00pm
Education Committee	Broward	12:00pm – 1:00pm
STOP Outreach Committee	Bradford	1:30pm – 3:00pm
AJSM Editorial Board	Citrus / Collier / Columbia	2:00pm – 3:30pm
COD Meeting	Flagler / Gilchrist	3:30pm – 5:00pm
Friday		
Program Committee	Alachua	6:00am – 7:00am
Enduring Education Committee	Bay	7:00am – 8:15am
Sunrise Summit	Dade	7:00am – 8:30am
Traveling Fellowship Committee	Brevard	7:00am – 8:30am
Fellowship Committee	Broward	7:30am – 8:15am
Team Physician Committee	Bradford	8:30am – 9:30am
Public Relations Committee	Brevard	12:00pm – 1:30pm
Research Committee	Broward	12:00pm – 2:00pm
MPBOT Meeting	Dade	12:30pm – 2:30pm
Technology Committee	Alachua	1:30pm – 3:00pm
Traveling Fellows Reception	Waldorf Astoria Golf Clubhouse	6:00pm – 8:00pm
Saturday		
Accreditation Task Force	Alachua	7:30am – 8:30am
Fellowship Program Directors	Flagler / Gilchrist	12:30pm – 2:00pm
Sunday		
Board of Directors	Dade	6:30am – 9:00am

**2015 AOSSM Program Committee**

Augustus D. Mazzocca MD, MS

Kurt P. Spindler MD

Brian R. Wolf MD, MS

Beth E. Shubin Stein MD

Mark D. Miller MD

Daniel C. Wascher MD, Instructional Course Chair

2015 AOSSM Annual Meeting Abstract Reviewers Panel

Stephen F. Brockmeier MD

Robert T. Burks MD

Brian D. Busconi MD

Braden C. Fleming PhD

Christian Lattermann MD

C. Benjamin Ma MD

Bradley J. Nelson MD

Richard D. Parker MD

Matthew T. Provencher MD

Anthony A. Romeo MD

Mark S. Schickendantz MD

Rick W. Wright MD

Board of Directors**President**

Robert A. Arciero MD

President-Elect

Allen F. Anderson MD

Vice President

Annunziato Amendola MD

Secretary

Rick D. Wilkerson DO

Treasurer

Andrew J. Cosgarea MD

Under 45 Member-at-Large

C. Benjamin Ma MD

Under 45 Member-at-Large

E. Lyle Cain Jr., MD

Over 45 Member-at-Large

Rick W. Wright MD

Past President

Christopher D. Harner MD

Past President

Jo A. Hannafin MD, PhD

Ex-Officio Chair Council of Delegates

Christopher C. Kaeding MD

Ex-Officio**Non-Voting Members**

Executive Editor, Medical Publishing

Bruce Reider MD

AOSSM Executive Director
Irv Bomberger**Other AOSSM Leadership****Council Chairs****Communications**

Brett D. Owens MD

Education

Charles A. Bush-Joseph MD

Research

Robert F. LaPrade MD, PhD

Meeting Format

Description

This live activity is designed to identify areas of recent research in the field of orthopaedic sports medicine relevant to practicing physicians, surgeons, and allied health professionals. This information is provided through scientific paper presentations, hot topics, updates, question and answer sessions, surgical video demonstrations, spotlights on surgical techniques, symposia, current concepts, overviews, clinical insights, and/or debates.

Meeting Objectives

Upon completion of this educational activity, learners will be able to:

- Implement an effective evaluation algorithm, based on recent research, for musculoskeletal and medical sports medicine conditions
- Assess and apply surgical and non-surgical treatment recommendations and rehabilitation protocols for the management of musculoskeletal and medical conditions germane to the practice of orthopaedic sports medicine
- Integrate prevention strategies with health care team(s) to improve musculoskeletal and medical health in their patient population

Target Audience

This program is designed for orthopaedic surgeons, physicians, and allied health professionals in the field of sports medicine or related fields of practice.

Program

AOSSM attests that the people responsible for the development of this educational activity did so independently and were not influenced by commercial supporters.

Prerequisites

A basic understanding of the mechanics of sports injuries, as well as a familiarity with the pertinent anatomy and physiology of the upper and lower extremities and the spine, is suggested.

General Information

Registration

Every AOSSM Annual Meeting attendee needs to present photo identification to pickup registration materials.

Hours

Wednesday, July 8 2:00pm – 6:00pm

Thursday, July 9 6:15am – 3:30pm

Friday, July 10 6:15am – 5:30pm

Saturday, July 11 6:15am – 12:30pm

Sunday, July 12 6:15am – 10:30am

Late / On-Site Registration

On-site registration is available for an additional charge of \$100 plus the pre-registration fee.

Refund Policy

No refunds will be issued for registration, instructional courses, or social activity fees.

Wireless Service

Wireless service is available Wednesday-Sunday throughout the meeting space (except the Exhibit Hall) under the network AOSSM. The password is **sportsmed**.

Remote Session Viewing

There will be a small area for remote viewing of the sessions in the Exhibit Hall.

Attire

Meeting attire is casual, including all social events.

Hotel Parking

Hilton Parking:

Self Parking is discounted for AOSSM attendees to \$12.60 per day
Hilton Valet Parking is \$26.00 per day

Waldorf

Only Valet Parking available at \$26.00 per day.

General Session

The General Session will be held in the Floridian Ballroom A-I.

Concurrent Sessions

Concurrent Sessions will be held on Thursday, Friday, and Saturday in the Floridian Ballroom A-I, J-L, and Citrus/Collier/Columbia.

Accreditations

Accreditation and AMA Credit Designation Statement

The American Orthopaedic Society for Sports Medicine (AOSSM) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Scientific Sessions: AOSSM designates this live activity for a maximum of **16.5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Instructional Courses: AOSSM designates this live activity for a maximum of **1.5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

NATA/CEUs

The American Orthopaedic Society for Sports Medicine (AOSSM) is recognized by the Board of Certification, Inc. to offer continuing education for Certified Athletic Trainers.

Scientific Sessions: This program has been approved for a maximum of **16.5** hours of Category A Continuing Education. Certified Athletic Trainers are responsible for claiming only those hours actually spent participating in the continuing education activity.

Provider Number: **P460**

Instructional Courses: This program has been approved for a maximum of **1.5** hours of Category A Continuing Education. Certified Athletic Trainers are responsible for claiming only those hours actually spent participating in the continuing education activity.

Provider Number: **P460**

AAPA

AAPA accepts certificates of participation for educational activities certified for *AMA PRA Category 1 Credit™* from organizations accredited by ACCME or a recognized state medical society.

Disclaimer

The material presented in this continuing medical education program is being made available by the AOSSM for educational purposes only. This material is not intended to represent the only methods or procedures appropriate for the medical situation discussed.

AOSSM is not responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the meeting. Costs incurred by the registrant, such as airline or hotel fees or penalties, are the responsibility of the registrant.

Disclosure Statement

In accordance with the standards of the Accreditation Council for Continuing Medical Education (ACCME), it is the policy of the AOSSM that faculty and planners disclose to the learners all financial relationships during the past twelve months with any commercial interest (any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients). In accordance with AOSSM policy, faculty participation in this educational activity is predicated upon timely submission and review of AOSSM disclosures. Non-compliance results in faculty being stricken from the program. Faculty and planner disclosure information is available online at www.sportsmed.org.

Online Meeting Subscription – 2015

AOSSM features selected plenary sessions from AOSSM's 2015 meetings through its website. For \$150, participants receive online access to education sessions containing slide presentations and speakers' voices. This added service is an economical way to review presentations, hear missed talks, and reference sessions at a later point during the year. To register for this, check the "Online Meeting" box on the registration form in this program or during online registration.

Exhibits

Exhibits will be located in the Bonnet Creek Ballroom. A complete listing of commercial exhibitors, including exhibit hours, are printed in the Final Program. Continental breakfast and coffee breaks will be held in the exhibit hall. Admission to the exhibit hall requires a badge. Children under 16 are not permitted into the exhibit hall. The AOSSM attendee raffle will be located in the exhibit hall.

Instructional Courses

Instructional Courses are offered Thursday, July 9, 2015 through Sunday, July 12, 2015 from 6:45am–8:15am. Locations are included in this program as well as on tickets received at the time of registration. Attendance in instructional courses is by ticket only. The instructional course fee is \$70. One must register and pay the fee in order to enroll. This fee is applicable to ALL registrants. The Instructional Course Final Program is available in electronic format only at a price of \$150; this includes online access to the PowerPoints and recorded voices of the faculty for each course. Some instructional courses may have limited capacity, and space is assigned as registrations are received.

NO REFUNDS FOR INSTRUCTIONAL COURSES WILL BE ISSUED.

Social Functions



Social Functions



#AOSSM2015

SOCIAL FUNCTIONS

Thursday, July 9, 2015

Welcome Reception

Location: Signature Island
Bonnet Creek Hilton

6:30pm – 8:00pm

Join us outdoors on Signature Island for this year's Welcome Reception. Everyone and their families are welcome to attend. If there is inclement weather, the reception will be held in the adjacent Bonnet Creek Pavilion.

Fee: No Charge

Saturday, July 11, 2015

Family Night

Location: Central Park Gardens and Ballroom
Waldorf Astoria

6:00pm – 10:00pm

Don't miss our Saturday night family party featuring Florida's hottest show band, The Leonard Brothers, performing hits from classic rock, country, motown, Top 40, and so much more. This event will be held on the hotel property at the Central Park Gardens and Central Park Ballroom at the Waldorf Astoria. Music for everyone and dancing highly encouraged! In addition, there will be children's activities available. On-site registration is available.

Fee: No Charge

Awards





THOMAS A. BRADY AWARD

2015 Recipient

Michael E. Brunet MD

The Thomas A. Brady Award is given annually to an orthopaedic surgeon who has been dedicated to excellence in sports medicine at the local level, with local athletes, since 1999.

Dr. Brady is the father of sports medicine in central Indianapolis. He began his work in sports medicine in 1944, working as team physician for the Third Air Force Football Team. In 1968, he presented a plan to the Indiana State Medical Association to organize a sports medicine committee. The plan was approved and Dr. Brady served as the first chairman. In the 1980s, he set up a walk-in clinic in the basement of Methodist Hospital to treat high school athletes. On Friday nights he would attend two or three football games, traveling around the city to make sure that these athletes had good medical care.

Upon his retirement in the late 1980s, Dr. Brady was orthopaedic consultant to 16 public, 5 catholic, and 1 private high school in Indianapolis, as well as the athletic teams at DePauw University and Indiana Central College.

Dr. Brady passed away in 2011.



CABAUD MEMORIAL AWARD

2015 Recipient

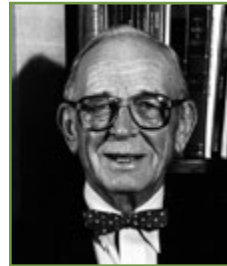
Transcriptomic Signatures of Meniscal Tears and Articular Cartilage from Knees Undergoing Arthroscopic Partial Meniscectomy Show Evidence for Early Osteoarthritis

Robert H. Brophy MD, Linda Sandell MD, Rick W. Wright MD, Muhammad Farooq Rai PhD

This award was established in 1986 to honor the life and contributions of Henry Edward ("Ed") Cabaud III, MD. Dr. Cabaud graduated from the University of Southern California School of Medicine, after which he served as a US Army Battalion Surgeon in Germany. He received the Outstanding Resident Award from Letterman Army Medical Center and later joined the staff at Letterman Army Institute of Research. In 1984 he was awarded the US Armed Forces Meritorious Service Medal for research. He also received the Merck Sharp & Dohme Award for research on the repair and replacement of ligaments and tendons with prosthetic devices. He became an Associate Professor of Orthopaedics at the University of California at San Francisco, a Fellow of the American Academy of Orthopaedic Surgeons, and was a member of AOSSM.

Dr. Cabaud died of cancer in 1985 at the age of 40. He was known as a gifted surgeon, brilliant researcher, and devoted family member. He had a legion of accomplishments for one so young and touched the lives of many through his varied activities.

The Cabaud Memorial Award is given annually to the best manuscript submitted that pertains to hard or soft tissue biology, *in vitro* research, laboratory or "bench-type" research, or *in vivo* animal research.



HUGHSTON AWARD

2015 Recipient

Increased Risk of Osteoarthritis After Anterior Cruciate Ligament Reconstruction—A 14-Year Follow-up Study of a Randomized Controlled Trial

Björn Bärenius MD, PhD, Sari Ponzer MD, PhD, Adel Shalabi MD, PhD, Robert Bujak MD, PhD, Louise Norlén MD, Karl Eriksson MD

The Hughston Award is given annually for the most outstanding paper appearing in *The American Journal of Sports Medicine (AJSM)* in the prior year to the award. Jack C. Hughston MD, the founder of *AJSM*, is one of the pioneers in sports medicine. Early on he recognized the need for immediate diagnosis and surgical correction of ligamentous injuries about the knee in order to achieve optimum results. He performed numerous cadaver and clinical studies to develop the concept of anatomical repair of injured structures in the knee and developed a classification system based upon his clinical observations and studies.

Dr. Hughston served as President of AOSSM from 1974–75, Editor of *AJSM* from 1972–1990, and Chairman of *AJSM* from 1990–2001. He also received the Mr. Sports Medicine Award from AOSSM in 1976.

Dr. Hughston was instrumental in organizing other physicians throughout the country to form AOSSM. In the late 1970s he developed what became *AJSM*, which evolved into the pre-eminent journal for orthopaedic sports medicine in the world. For these two achievements alone he will be forever recognized as one of those having a true dedication to the field of sports medicine.



ROBERT E. LEACH MD SPORTS MEDICINE LEADERSHIP AWARD

2015 Recipient

To be announced Saturday, July 11, 2015

This award, established in 1973, is given annually to an individual who has provided outstanding service in the orthopaedic

community and made numerous contributions to the specialty of sports medicine.

Robert E. Leach MD served as Chairman of *AJSM* Board of Trustees for 10 years and was also the Editor of *AJSM* from 1991–2001. Dr. Leach served AOSSM as President from 1983–1984. He also received numerous other awards and honors from the Society, including The George Rovere Award for Excellence in 1995, the Kennedy Lectureship in 1998, the Presidential Guest Speaker in 1992, and entrance into the AOSSM Hall of Fame in 2002. In 1988 Dr. Leach was named Mr. Sports Medicine, the award which now bears his name

Awards



O'DONOGHUE SPORTS INJURY RESEARCH AWARD

2015 Recipient

Utilization of ACL Injury Biomechanical and Neuromuscular Risk Profile Analysis to Determine the Effectiveness of Neuromuscular Training: A Prospective Cohort Double Blind Randomized Controlled Trial

Timothy E. Hewett PhD, FACSM, Kevin R. Ford PhD, Yingying Xu, Jane Khoury PhD, Gregory D. Myer PhD, CSCS

Don H. O'Donoghue MD has been called the Father of Sports Medicine in the United States. His early work on knee injuries led to the development of the subspecialty and started the interest in the care of athletes.

Dr. O'Donoghue was born in Iowa in 1901 and received his medical degree from the University of Iowa. He was the first orthopaedic resident at the University of Oklahoma in 1929 and stayed on to work as a pediatric orthopaedist in his early years. Dr. O'Donoghue was Professor and Chairman of the Department of Orthopaedics at the University of Oklahoma, a position he held until 1974. In 1962, he published the first book in the United States on sports medicine, with three subsequent printings into the 1980s.

Dr. O'Donoghue chaired the American Academy of Orthopaedic Surgeons' Committee on Sports Medicine. In 1972, he and 25 other orthopaedists formed AOSSM, and Dr. O'Donoghue became its first president. His legacy is the foresight he had to recognize the importance of a specific approach to define athletic injuries by careful, systematic evaluation and then to treat them by anatomic repair or reconstruction. His pioneering work in the anatomy and biology laboratories led him to an understanding of the healing properties of ligaments and the mechanics of the knee. Dr. O'Donoghue theorized that anatomic repair of the ligamentous injury might give better results than non-surgical treatments and he recognized the importance of this area of orthopaedic knowledge.

The O'Donoghue Sports Injury Research Award is given annually to the best overall paper that deals with clinical-based research or human in vivo research.



GEORGE D. ROVERE AWARD

2015 Recipient

Mark D. Miller MD

The Rovere Award is given annually to an individual AOSSM member to recognize his or her contribution to sports medicine education over the years and is selected by the AOSSM Education Committee.

It commemorates George D. Rovere MD, Chair of the AOSSM Education Committee, who died in 1988. As Education Chair, Dr. Rovere inaugurated the Society's Instructional Course program, introduced at the 1985 AOSSM Annual Meeting, and was a leader in the AOSSM Conference on Strength Training and the Prepubescent.

At the time of his death, Dr. Rovere was head of the Section of Orthopaedics at Bowman Gray School of Medicine at Wake Forest University, serving as team physician to all the university's athletic teams. In addition, he was an orthopaedic consultant to the Carolina Thunderbirds ice hockey team, as well as numerous area high school teams.



T. DAVID SISK AWARDS FOR RESEARCH EXCELLENCE

2015 Recipient

Best International Paper
Effect of Active Versus Passive Recovery on Performance During Intra-meet Swimming Competition

Jaime Hinzpeter MD, Álvaro Zamorano MD, Diego Cuzmar MD, Miguel Lopez MD, Jair Burboa

2015 Recipient

Best Original Research Paper

Is There Chronic Brain Damage in Retired NFL Players? Neuroradiology, Neuropsychology, and Neurology Examinations of 45 Retired Players

Ira R. Casson MD, David C. Viano, Dr Med, PhD, E. Mark Haacke PhD, Zhifeng Kou PhD, Danielle G. LeStrange RN, MSN, ACNS-BC

2015 Recipient

Best Original Research Paper

Prevalence of Abnormal Vitamin D Levels Among Division I NCAA Athletes

Diego Villacis MD, Anthony Yi BS, Ryan Jahn BS, Curtis J. Kephart MD, Timothy Charlton MD, Seth C. Gamradt MD, Russ Romano MA, ATC James E. Tibone MD, George F. Rick Hatch III, MD

2015 Recipient

Best Review Paper

Evaluation and Management of Wolff-Parkinson-White in Athletes

Ashwin L. Rao MD, Jack C. Salerno MD, Irfan M. Asif MD, Jonathan A. Drezner MD

The T. David Sisk Research Awards were established in 2010 to honor the best papers submitted to *Sports Health* in clinical, laboratory, and international research. The winners receive a \$2,500 cash prize and a plaque.

Dr. Sisk was a strong proponent of *Sports Health: A Multidisciplinary Approach* and served as the Chairman of the AOSSM Medical Publishing Board of Trustees at the time when the creation of the new journal was proposed. He enthusiastically fostered the journal throughout its initial development and set the journal's course for its current success. Dr. Sisk was a former AOSSM President, Hall of Fame inductee, and active member in the sports medicine community throughout his esteemed career. He died of cancer in July of 2009 but his legacy of teaching and collaboration continues to live on.

FELLOW RESEARCH AWARD

2015 Recipient – Clinical Science

Improved Return to Play in Intercollegiate Contact Athletes following Arthroscopic Stabilization for Anterior Shoulder Instability: A Prospective Multicenter Study

Jonathan F. Dickens MD, John Paul H. Rue MD, Kenneth L. Cameron PhD, MPH, ATC, Kelly G. Kilcoyne MD, C. Dain Allred MD, Steven J. Svoboda MD, Robert T. Sullivan MD, John M. Tokish MD, Karen Y. Peck MEd, ATC, Brett D. Owens MD

The Fellow Research Award, formerly the Aircast Award, was first presented in 1998. The Fellowship Committee determines the recipients. The award is given to the best papers in clinical science and basic science submitted by a sports medicine fellow for the AOSSM Annual Meeting. Each recipient receives \$1,500 and an award plaque.

AOSSM gratefully acknowledges Flexion Therapeutics for an educational grant in support of the Fellow Research Award.

EXCELLENCE IN RESEARCH AWARD

2015 Recipient

Neuromuscular Performance Varies with Baseline Neurocognition: Implications for Anterior Cruciate Ligament Injury Risk and Prevention

Daniel C. Herman MD, PhD, CAQSM, Jeffrey C. Barth PhD

This award is given to the best paper submitted in any category to the Awards Committee with a primary author under the age of 40 at the time of the Annual Meeting. The award consists of \$2,000 honorarium, award certificate, presentation of the paper at the AOSSM Annual Meeting, and consideration of publication in *The American Journal of Sports Medicine*.

SYSTEMATIC REVIEW AWARD

2015 Recipient

Posterior Instability of the Shoulder: A Systematic Review and Meta-analysis of Clinical Outcomes

Jeffrey M. DeLong BS, Kevin Jiang MD, and James P. Bradley MD

The Systematic Review award is given to the best systematic review paper submitted to *AJSM* during a calendar year. All systematic review papers are considered, and the award is determined by the editors of *The American Journal of Sports Medicine*. This award was established to encourage submission of high-quality systematic review papers, which add to the current knowledge of sports medicine.

The winners of the Systematic Review Award receive \$5,000 and a plaque.

HERODICUS AWARD

2015 Recipient

The Fate of Meniscus Tears Left in situ at the time of Anterior Cruciate Ligament Reconstruction: A 6-Year Follow-up Study from the MOON Cohort

Kyle R. Duchman MD, Robert W. Westermann MD, Emily R. Reinke PhD, Laura J. Huston MS, Kurt P. Spindler MD, Annunziato Amendola MD, MOON Knee Group, Brian R. Wolf MD, MS

The Herodicus Award is given annually by the Herodicus Society. It is awarded to the best resident paper accepted for the AOSSM Annual Meeting Program.

HALL OF FAME AWARDS

2015 Recipients

*James R. Andrews MD
Lars Engebretsen MD, PhD
J. Richard Steadman MD*

In 2001, AOSSM established the Hall of Fame to honor members of the orthopaedic sports medicine community who have contributed significantly to the specialty and set themselves apart. Being inducted into the Hall of Fame is one of the highest honors given to a Society member. Nominations for the Hall of Fame are submitted by AOSSM members and then selected by the Hall of Fame committee. Recipients receive an award plaque, special presentation at the AOSSM Annual Meeting, and picture on the AOSSM Hall of Fame display at the Annual Meeting.

Please take some time to visit our exhibitors over the next few days.
Revenues generated through exhibitors significantly offset your registration fees!

Exhibitor Information

EXHIBIT HOURS

Thursday, July 9th 7:30am – 12:30pm

Friday, July 10th 7:30am – 12:30pm

Saturday, July 11th 7:30am – 12:30pm

AOSSM Raffle Drawing

(For Attendees Only)

Remember to enter this year's Raffle drawing, to be held Thursday, Friday, and Saturday in the Exhibit Hall Booth 1115.

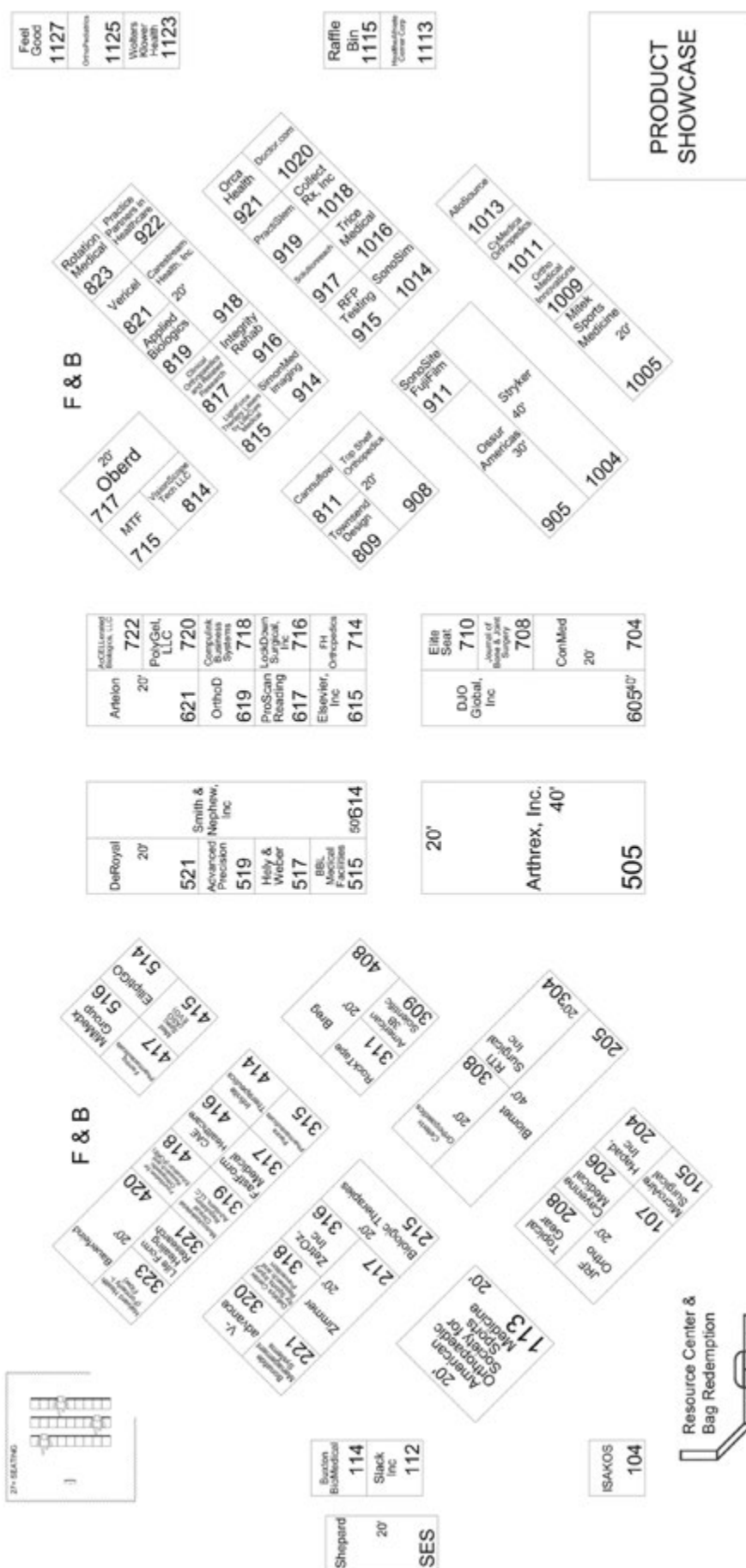
Prizes include \$250 Amex gift cards and Orlando-themed gifts.

FDA STATEMENT

Some drugs or medical devices demonstrated at the Annual Meeting have not been cleared by the US Food and Drug Administration (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.

AOSSM policy provides that "off label" uses of a drug or medical device may be described in AOSSM's CME activities so long as the "off label" use of the drug or medical device is also specifically disclosed (ie, it must be the described purpose). Any drug or medical device is being used "off label" if the described use is not set forth on the product's approval label.

 #AOSSM2015



Exhibitor Product Codes

The products displayed in the technical exhibits area and the uses suggested by the manufacturer do not represent an endorsement nor imply that the products have been evaluated or approved by AOSSM. For your convenience, the technical exhibiting companies are listed alphabetically and the product/services they offer are identified by the following codes:

Product Codes:

AM	Anatomical Model	DI	Diagnostic Equipment	MKT	Market Research Services	PUB	Publishers
AS	Arthroscopic Systems	EDU	Education—Patient & Physician	MS	Medical Supplies	REHB	Rehabilitation/Exercise Equip
BLD	Blood Products	EMR	Electronic Medical Records	MRI	MRI	SF	Shoes & Foot supplies
BNE	Bone Products	FPD	Facility Planning & Design	O	Orthoses	SG	Soft Goods (Supports)
BB	Business to Business/OEM	IMG	Image Guiding/Navigation System	OTH	Other	SE	Surgical Equipment
CS	Casting Supplies & Equip	I	Implants	PH	Pharmaceuticals	SI	Surgical Instruments
COM	Computer Hardware/Software			PM	Practice/Office Management	T	Tissue Products
DEV	Devices			P	Prostheses	XRAY	X-Ray

► AcCELLerated Biologics, LLC . . . 722

Product Code(s): BLD, EDU, T

► Advanced Precision, Inc. 519

Product Code(s): DEV, I, SI

AlloSource 1013

Product Code(s): BNE, I, T

American 3B Scientific. 309

Product Code(s): AM, BNE, EDU, OTH, REHB

American Orthopaedic Society for Sports Medicine Resource Center

Product Code(s): EDU

► Amniotic Therapies 314

Product Code(s): T

Applied Biologics, LLC 819

Product Code(s): I, T

Artelon 621

Product Code(s): DEV

► Arthrex, Inc. 505

Product Code(s): AS, BLD, DEV, EDU, I, IMG, SE, SI, T

Bauerfeind USA 420

Product Code(s): O, SF, SG

BBL Medical Facilities 515

Product Code(s): FPD

► Biologic Therapies 215

Product Code(s): BB, BLD, DEV, OTH, T

► Biomet. 205

Product Code(s): AS, I, SI

► Bonafide Management Systems 221

Product Code(s): BB, COM, PM

► Breg. 408

Product Code(s): O, PM, SF, SG

Buxton BioMedical 114

Product Code(s): SI

CAE Healthcare 416

Product Code(s): AM, AS, BB, COM, EDU, SE

Cannuflow, Inc. 811

Product Code(s): AS

► Carestream Health 918

Product Code(s): IMG

Cayenne Medical, Inc. 206

Product Code(s): DEV

Ceterix Orthopaedics, Inc. 308

Product Code(s): AS, DEV, SI

► Clinical Orthopaedics and Related Research 817

Product Code(s): PUB

► Collect Rx, Inc. 1018

Product Code(s): OTH

Compulink Business Systems . . . 718

Product Code(s): EMR, PM

► ConMed. 704

Product Code(s): AS, COM, DEV, EDU, I, SE, SI

► CyMedica Orthopedics 1011

Product Code(s): DEV

► Datalys Center for Sports Injury Research and Prevention 318

Product Code(s): EDU

► DePuy Synthes Mitek Sports Medicine 1005

Product Code(s): AS, DEV, EDU, I

DeRoyal 521

Product Code(s): O, SG

► DJO Global, Inc. 605

Product Code(s): I, OTH, REHB, SG, SI

► Doctor.com 1020

Product Code(s): PM

Elite Seat. 710

Product Code(s): REHB

ElliptiGO, Inc. 514

Product Code(s): REHB

Elsevier, Inc. 615

Product Code(s): PUB

FastForm Medical, Inc. 317

Product Code(s): O

Feel Good, Inc. 1127

Product Code(s): DEV

► Ferring Pharmaceuticals 417

Product Code(s): DEV

FH Ortho 714

Product Code(s): DEV, I, OTH, P, SI

► Foundation for Orthopaedic Research and Education (FORE). 418

Product Code(s): PUB

Halyard Health (Formerly I-Flow) 323

Product Code(s): DEV

Hapad, Inc. 204

Product Code(s): SG

► HealtheAthlete Cerner Corp. . . . 1113

Product Code(s): EMR

Pick up your meeting bag in the Exhibit Hall
at the AOSSM Resource Center

Hely & Weber517 Product Code(s): O, SG	Orca Health921 Product Code(s): AM, COM, EDU, MKT	SimonMed Imaging914 Product Code(s): OTH
► Infinite Therapeutics414 Product Code(s): OTH	► Ortho Medical Innovations, LLC 1009 Product Code(s): AS, DEV, MS	Slack Inc.112 Product Code(s): PUB
Integrity Rehab Group916 Product Code(s): OTH	► OrthoD619 Product Code(s): BNE, DEV, I, MS, SI	► Smith & Nephew, Inc.614 Product Code(s): AS, DEV, I, SE, SI
ISAKOS104 Product Code(s): EDU, OTH	OrthoPediatrics1125 Product Code(s): AS	Solutionreach917 Product Code(s): COM, PM
Journal of Bone & Joint Surgery708 Product Code(s): EDU, PUB	► Össur Americas905 Product Code(s): O, OTH, P, PM, SG	► SonoSim, Inc.1014 Product Code(s): COM, EDU
JRF Ortho107 Product Code(s): DEV, T	► Pacira Pharmaceuticals315 Product Code(s): PH	► SonoSite FujiFilm911 Product Code(s): DEV, DI, EDU
► Life Form Healing Research321 Product Code(s): BLD	PolyGel, LLC720 Product Code(s): DEV, O	► Stryker1004 Product Code(s): AS, DEV, I, SI, T
LightForce Therapy Lasers by LiteCure Medical815 Product Code(s): DEV, OTH, REHB	Practice Partners in Healthcare, Inc.922 Product Code(s): FPD, OTH	Top Shelf Orthopedics908 Product Code(s): O, REHB, SG
LockDown Surgical, Inc.716 Product Code(s): I	► PractiStem919 Product Code(s): OTH	Topical Gear208 Product Code(s): REHB
Med Spec (ASO EVO)415 Product Code(s): SG	ProScan Reading Services617 Product Code(s): DI, EDU, MRI	Townsend Design809 Product Code(s): O, SG
MicroAire Surgical Instruments105 Product Code(s): SI	► RFP Testing915 Product Code(s): DEV, DI	► Trice Medical1016 Product Code(s): AS, DI
MiMedx Group Inc.516 Product Code(s): T	RockTape, Inc.311 Product Code(s): REHB	V-advance320 Product Code(s): SI
► MTF715 Product Code(s): BNE, I, T	► Rotation Medical823 Product Code(s): OTH	► Vericel821 Product Code(s): EDU, I, OTH
► Musculoskeletal Clinical Regulatory Advisers, LLC319 Product Code(s): OTH	► RTI Surgical Inc.304 Product Code(s): BNE, I, T	VisionScope Technologies, LLC814 Product Code(s): AS
Oberd717 Product Code(s): COM, EDU, EMR, PM	SAGE Publications (See us at the AOSSM Resource Center) Product Code(s): PUB	ZetrOz, Inc.316 Product Code(s): DEV
		Zimmer217 Product Code(s): BNE, DEV, I, T

Industry Symposia

FRIDAY, JULY 10, 2015

12:30pm – 2:00pm

Join your colleagues for a 90-minute, lunch-time, learning session where you can become more familiar with the latest products, services, and newest findings. Lunch will be provided, and pre-registration is encouraged. The afternoon scientific session resumes at 2:00pm.

The following symposia are not presented, endorsed, or otherwise sanctioned by the American Orthopedic Society for Sports Medicine and NO CME CREDIT WILL BE AWARDED for participation. The views and techniques presented are not necessarily those of AOSSM or its members. AOSSM assumes no responsibility or liability for the use or misuse of any information, materials, or techniques described, and it makes no warranty, guarantee, or representation as to the absolute validity or sufficiency of any information provided.

IS 1

Arthrex

Location: Dixie

Advanced Treatment Options for Rotator Cuff and Biceps Tears

Christopher Adams MD, Stephen Burkhart MD,
Lyle Cain MD, Alan Hirahara MD

- 12:30pm Subscapularis Tears (Burkhart)
- 12:50pm Superior Capsular Reconstruction (SCR) for Massive, Irreparable Rotator Cuff Tears (Hirahara)
- 1:10pm Biceps Tenodesis at the Top of the Groove (Adams)
- 1:30pm Biceps Tenodesis in the Subpectoral Region (Cain)
- 1:50pm Question and Answer
- 2:00pm Adjourn

IS 3

Stryker

Location: Manatee

Current Concepts in Hip Arthroscopy

Struan H. Coleman MD, PhD, Richard C. Mather MD,
Shane Jay Nho MD, MS

This comprehensive session will focus on current topics in hip arthroscopy:

- Surgical Approaches in Capsule Management and Closure
- Labral Reconstruction Considerations and Surgical Techniques
- Surgical Approaches in Cartilage Preservation
- Imaging and Approaches in Femoral Decompressions

The Stryker Pivot Platform of hip arthroscopy products will be highlighted.

IS 4

Smith & Nephew

Location: Lake

Hip Arthroscopy: The Application of Advanced Surgical Techniques and Technology

Asheesh Bedi MD, J.W. Thomas Byrd MD, Christopher Larson MD,
Allston Stubbs MD

Interactive didactic session analyzing individual cases and the latest techniques for labral repair, FAI treatment and research, and capsule management.

IS 5

Zimmer

Location: Union

Early Intervention Solutions for Joint Preservation

Steven B. Cohen MD, Shariff M. Bishai MD

The Early Intervention Solutions for Joint Preservation Course provides scientific and clinical details about state-of-the-art innovative products and technical strategies to enhance biologic healing in the areas of soft tissue, articular cartilage, and bone marrow lesions. The course will address various treatment options and patient selection criteria for each solution.

The course will cover surgical technique, clinical considerations, and surgical tips and pearls. This program will also include discussion about how to address simple to complex procedures, patient indications, and post-surgical protocol.

Topics to include DeNovo® NT Natural Tissue Graft, Chondrofix® Osteochondral Allograft, Gel-One® Cross-linked Hyaluronate, Subchondroplasty® and Zimmer Etex.



Thirty-minute theater sessions, starting on the 1 / 2 hour, provide you with up-to-date information from industry about the products, equipment, and services they offer via demonstrations or presentations in the Exhibit Hall. Theaters will take place between 7:30am–12:00pm.

Be sure to check out this year's three poster award winners who will present their research in the Industry Theater as noted below on Thursday and Friday. NO CME CREDIT WILL BE AWARDED for participation in any of the Industry Theater presentations.

THURSDAY, JULY 9, 2015

Doctor.com

How To Create The Ultimate Internet Marketing Program For Your Practice—From Dominating Search Engines to Generating Positive Reviews!

7:30am–8:00am

Bryan Edelstein, VP of Practice Development

We know you're interested in learning the most advanced and modern surgical techniques to take home to improve your practice. Why not learn how the most successful doctors get more patients—and reviews—by harnessing the power of the internet? Using a real-world example selected live from attendees, our product theater will take a look at what makes a practice's online reputation stand out. We'll also explore actionable tips on how to get more return for your marketing dollars:

- Generate more positive reviews and improve your online reputation.
- Design your website so patients and search engines will choose you first.
- Outperform competitors in every area of search—organic, paid, and local.
- Manage your all your directory listings effortlessly from a single platform.

It's a valuable presentation that will help you build your practice.

Smith & Nephew

Advanced RC Repair: Spanning Options to Improve Repair Construct

10:30am–11:00am

E. Lyle Cain MD, Felix H. Savoie III, MD

- Understanding anatomic reconstruction with regards to rotator cuff repair tension and techniques
- Improving rotator cuff healing, surgical options, and results

Poster Award Winner Presentation

11:50am–11:55am

FRIDAY, JULY 10, 2015

Poster Award Winner Presentation

7:30am–7:35am

Poster Award Winner Presentation

7:55am–8:00am

Smith & Nephew

MPFL Reconstructions and Repairs: Improved Techniques and Fixation Options

8:30am–9:30am

Geoffrey S. Van Thiel MD, MBA

Innovative technique approaches for patellar instability will be presented focusing on current research, case reviews, and surgical tips.

Applied Biologics, LLC

Biologic Augmentation in Sports Medicine with FloGraft®

9:30am–10:00am

John Brown MD

FloGraft® is used by Sports Medicine surgeons around the country as a biologic augmentation in repairs of tendon, ligament, and other orthopaedic soft tissue defects. John Brown MD will familiarize participants with FloGraft®, the underlying science, review the current status of biologic augmentation, and introduce novel applications for the use of FloGraft® in intra-operative Sports Medicine applications. FloGraft®—the future of biologics in Sports Medicine is now.

Industry Theaters

FRIDAY, JULY 10, 2015 (cont.)

FH Ortho

Short, Quadrupled, Single Tendon Hamstring ACL Reconstruction Surgery: Technique and Clinical Follow Up

10:30am – 11:00am

Minn H. Saing, MD

Dr. Saing will present research findings, surgical procedures, and a review of his results for the quadrupled hamstring technique that changed the approach to ACL repair. The CoLS Ligament Repair System has been used for over 12 years in Europe and is the hamstring ACL repair that feels and performs like a BTB.

Dr. Saing is an attending Orthopaedic Surgeon with Einstein Regional Orthopaedic Specialists. His practice is located at Montgomery Hospital Medical Center and Einstein at Elkins Park, Pennsylvania. Dr. Saing completed his undergraduate studies at the University of California, Los Angeles earning a Bachelor of Science in Physiology. He attended Medical College of Pennsylvania – Hahnemann University School of Medicine (now Drexel University College of Medicine). Dr. Saing is a proud graduate of the Orthopaedic Surgery Residency at Albert Einstein Medical Center in Philadelphia. His fellowship training was completed in Atlanta under the tutelage of Dr. Scott Gillogly, a pioneer in the field of Biologic Knee Resurfacing and Cartilage Reconstruction. Dr. Saing maintains an avid interest in Sports Medicine and gained valuable experience as Associate Team Physician for the NFL Atlanta Falcons and NHL Atlanta Thrashers. He continues to treat athletes of all ages and abilities. He maintains an avid interest in clinical research and teaching. His current practice includes both Open and Arthroscopic treatment of disorders of the Knee, Shoulder, Hip, Elbow and Ankle. Dr. Saing also has experience in the treatment of complex cartilage disorders and the use of Platelet Rich Plasma Therapy.

Dr. Saing was involved, as a Fellow, in the first CoLS Surgery in the U.S. In 2009. He has been using the product in his practice since 2010.

Össur Americas

Improving Outcomes Following Cartilage Procedures and PCL Injury Through Functional Healing

11:30am – 12:00pm

Adam W. Anz MD

Innovative functional healing concepts specific to cartilage procedures and PCL injuries will be presented by Dr. Adam Anz of the Andrews Institute.

The presentation will include new treatment protocols designed to improve patient outcomes.



STOP SPORTS INJURIES

Join us today

*Take the Pledge and become an
advocate for sports safety.
Visit www.STOPSportsInjuries.org*

[Facebook.com/STOPSportsInjuries](https://www.facebook.com/STOPSportsInjuries)
[Twitter.com/SportsSafety](https://twitter.com/SportsSafety)

The STOP Sports Injuries campaign educates athletes, parents, trainers, coaches and healthcare providers about the rapid increase in youth sports injuries, especially related to overuse and trauma.

Featuring a website with social media, blogs, public service announcements and a multitude of sport specific resources, the campaign strives to keep kids injury free and in the game for life.

Founding supporters of the campaign include: the American Orthopaedic Society for Sports Medicine, American Academy of Orthopaedic Surgeons, American Academy of Pediatrics, National Athletic Trainers' Association, National Strength and Conditioning Association, American Medical Society for Sports Medicine, Sports Physical Therapy Section, Pediatric Orthopaedic Society of North America and SAFE Kids USA.

Disclosures



Faculty/Planner Disclosure Declaration

In accordance with the standards of the Accreditation Council for Continuing Medical Education (ACCME) it is the policy of The American Orthopaedic Society for Sports Medicine that faculty and planners disclose to the learners all financial relationships during the past twelve months with any commercial interest. (A 'commercial interest' is any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients.) Any and all disclosures are provided in this program that is distributed at the meeting to all program participants. In accordance with AOSSM policy, faculty participation in this educational activity will be predicated upon timely submission and review of AOSSM disclosure. Non-compliance will result in a faculty member being stricken from the program.

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Faraj W. Abdallah MD	Nothing to Disclose	Editorial / Governing Board	Orthopedic Journal of Sports Medicine
Ermias S. Abebe BS	Nothing to Disclose	Board / Committee	American Orthopaedic Society for Sports Medicine
George P. Ackerman MD	Arthrex, Inc.	Board / Committee	Herodicus Society
Paid Consultant	Arthrex, Inc.	James R. Andrews MD	
Speakers Bureau		Royalties	Biomet Sports Medicine
Mark Adamczyk	Nothing to Disclose	Paid Employee	Biomet Sports Medicine
Gregory J. Adamson MD		Paid Employee	Bauerfiend
Paid Consultant	Arthrex, Inc.	Paid Employee	Theralase
Speakers Bureau	Arthrex, Inc.	Paid Employee	MiMedx Physiotherapy Associates
Christopher S. Ahmad MD		Paid Consultant	Biomet Sports Medicine
Paid Consultant	Arthrex, Inc.	Paid Consultant	Bauerfiend
Research Support	Arthrex, Inc.	Paid Consultant	Theralase
Research Support	Major League Baseball	Paid Consultant	MiMedx
Research Support	Stryker	Stock	Patient Connection, Connective
Sal Aiyash BS	Nothing to Disclose	Board / Committee	Orthopaedics
Masaki Akeda MD	Nothing to Disclose	Board / Committee	FastHealth Corporation – Board Member
Sam Akhavan MD			Physiotherapy Associates – Medical Director
Speakers Bureau / Paid	Arthrex, Inc.	Jack T. Andrich MD	
Paid Consultant	Arthrex, Inc.	Editorial / Governing Board	SLACK Incorporated
Research Support	Arthrex, Inc.	Editorial / Governing Board	Sports Medicine and Arthroscopy Review
Other Financial / Material Support	Arthrex, Inc.	Editorial / Governing Board	American Journal of Sports Medicine
Jay C. Albright MD		Editorial / Governing Board	The Physician and Sports Medicine
Royalties	Biomet	Board / Committee	International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine
Speakers Bureau / Paid	Arthrex, Inc.	Guillermo Arce MD	
Speakers Bureau / Paid	DJO Global, Inc.	Speakers Bureau / Paid	Mitek
Paid Consultant	Orthopaedic Scientific Research Foundation	Speakers Bureau / Paid	Storz
Board / Committee	PRISM	Paid Consultant	Mitek
C. Dain Allred MD	Nothing to Disclose	UnPaid Consultant	Mitek
David W. Altchek MD	Nothing to Disclose	Other Financial / Material Support	Mitek
Annunziato Amendola MD		Other Financial / Material Support	Storz
Royalties	Arthrex, Inc.	Editorial / Governing Board	Arthroscopy
Royalties	ArthroSurface	Editorial / Governing Board	JISAKOS Journal of ISAKOS
Royalties	Smith & Nephew	Board / Committee	Arthroscopy Association of North America
Paid Consultant	Arthrex, Inc.	Board / Committee	International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine
Stock	MTP Solutions	Kristin Archer	Nothing to Disclose
Publishing Relationship	Springer	Robert A. Arciero MD	
Publishing Relationship	Wolters Kluwer Health – Lippincott Williams & Wilkins	Speakers Bureau / Paid	Arthrex, Inc.
Editorial / Governing Board	Clinical Journal Sports Medicine	Speakers Bureau / Paid	Mitek
Editorial / Governing Board	Foot and Ankle International	Paid Consultant	Biomet
Board / Committee	American Board of Orthopaedic Surgery, Inc.	Paid Consultant	Mitek
Board / Committee	American Orthopaedic Society for Sports Medicine	Paid Consultant	Soft Tissue Regeneration
Board / Committee	International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine	Stock	Soft Tissue Regeneration
Allen F. Anderson MD		Research Support	Arthrex, Inc.
Speakers Bureau / Paid	ETO	Board / Committee	American Orthopaedic Society for Sports Medicine
Paid Consultant	Mitek		
Paid Consultant	Orthopediatrics		
Editorial / Governing Board	American Journal of Sports Medicine		

Faculty/Planner Disclosure Declaration

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Elizabeth A. Arendt MD Paid Consultant Editorial/ Governing Board Editorial/ Governing Board Editorial/ Governing Board	Tornier American Journal of Sports Medicine British Journal of Sports Medicine Knee Surgery, Sports Traumatology, Arthroscopy Orthopedics Today Sports Medicine & Arthroscopy Review American Orthopaedic Society for Sports Medicine International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine	Board/ Committee Board/ Committee	ASSH POSNA
		Geoffrey Scott Baer MD, PhD Board/ Committee	American Orthopaedic Society for Sports Medicine Big Ten Fellowship Society
Editorial/ Governing Board Editorial/ Governing Board Board/ Committee		Board/ Committee	
Board/ Committee		Kevin Baidoo BA, MS	Nothing to Disclose
		Lane Brooks Bailey DPT	Nothing to Disclose
		Björn Barenius Stock owned by wife	AstraZeneca
		Richard Barth MD	Nothing to Disclose
		Tracey P. Bastrom MA	Nothing to Disclose
Fabio Vicente Arilla	Nothing to Disclose	Asheesh Bedi MD Paid Consultant Stock Editorial/ Governing Board Board/ Committee	Smith & Nephew A3 Surgical Journal of Shoulder and Elbow Surgery American Orthopaedic Society for Sports Medicine
Justin W. Arner MD	Nothing to Disclose		
Steven P. Arnoczky DVM Speakers Bureau/ Paid Speakers Bureau/ Paid Paid Consultant Paid Consultant Paid Consultant Paid Consultant Editorial/ Governing Board	ConMed Rotation Medical ConMed MicroAire Surgical Instruments LLC Musculoskeletal Transplant Foundation Rotation Medical Smith & Nephew American Journal of Sports Medicine Journal of Bone and Joint Surgery—American Orthopedics Today Scandinavian Journal of Medicine and Science in Sports	Rodney W. Benner MD	Nothing to Disclose
Editorial/ Governing Board		Rebecca L. Berardelli	Nothing to Disclose
Editorial/ Governing Board Editorial/ Governing Board		Neal Berger MD	Nothing to Disclose
		Geoffrey A. Bernas MD Speakers Bureau/ Paid	Arthrex, Inc.
		Nicky Bertollo PhD	Nothing to Disclose
Nicholas R. Arnold BS	Nothing to Disclose	Srino Bharam MD Paid Consultant Board/ Committee	Smith & Nephew Endoscopy Arthroscopy Association of North America
Asbjorn Aroen MD, PhD Speakers Bureau/ Paid Editorial/ Governing Board	Smith & Nephew Endoscopy Knee Surgery, Sports Traumatology, Arthroscopy Ethical Committee Helse Sør-Øst	Sanjeev Bhatia MD	Nothing to Disclose
Board/ Committee		James Bicos MD Royalties Paid Consultant Paid Consultant Board/ Committee	Innomed Bellevue Pharmacy Biomet Michigan Orthopedic Society
Amelia J.H. Arundale PT, DPT, SCS	Nothing to Disclose	Mackenzie Bird	Nothing to Disclose
Michael J. Axe MD Paid Consultant Board/ Committee	Summit/ Legacy Pharmacy American Orthopaedic Society for Sports Medicine Other	Leslie J. Bisson MD Speakers Bureau/ Paid UnPaid Consultant Stock Research Support Editorial/ Governing Board Editorial/ Governing Board	Arthrex, Inc. KFx, Inc. Cayenne Medical/KFx, Inc. Arthrex, Inc. Operative Techniques In Sports Medicine Journal Of Sports Medicine
Anderson Mike B MS, ATC	Nothing to Disclose	Eric M. Black MD	Nothing to Disclose
Bernard R. Bach Jr., MD Research Support Research Support Research Support Research Support Research Support Research Support Publishing Relationship Board/ Committee	Arthrex, Inc. ConMed DJO Global, Inc. Össur Smith & Nephew Tornier SLACK Incorporated American Orthopaedic Society for Sports Medicine	Blake Bodendorfer	Nothing to Disclose
		Matthew Bollier MD Speakers Bureau/ Paid Paid Consultant	Arthrex, Inc. Arthrex, Inc.
		Amrut Borade MD	Nothing to Disclose
Donald S. Bae MD Stock Stock Stock Publishing Relationship Board/ Committee	CBST Johnson & Johnson VVUS Lippincott Williams & Wilkins AAOS	Craig R. Bottoni MD Speakers Bureau/ Paid Paid Consultant Research Support Research Support	Arthrex, Inc. Arthrex, Inc. Arthrex, Inc. Musculoskeletal Transplant Foundation
		Daniel Bouton MD	Nothing to Disclose

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Chantelle C. Bozynski DVM	Nothing to Disclose	Board / Committee Board / Committee	American Shoulder and Elbow Surgeons Arthroscopy Association of North America
James P. Bradley MD Royalties Board / Committee	Arthrex, Inc. American Orthopaedic Society for Sports Medicine	Brian D. Busconi MD Speakers Bureau / Paid Speakers Bureau / Paid Paid Consultant Paid Consultant	Arthrex, Inc. DePuy Synthes Mitek Sports Medicine Arthrex, Inc. DePuy Synthes Mitek Sports Medicine
Sharon Bradshaw	Nothing to Disclose	Charles A. Bush-Joseph MD Editorial / Governing Board	American Journal of Sports Medicine
Jefferson C. Brand Jr., MD Editorial / Governing Board	Arthroscopy	J. W. Thomas Byrd MD Paid Consultant UnPaid Consultant Stock Research Support Publishing Relationship Board / Committee Board / Committee	Smith & Nephew A3 Surgical A3 Surgical Smith & Nephew Springer Arthroscopy Association of North America American Orthopaedic Society for Sports Medicine International Society for Hip Arthroscopy
Karen K. Briggs MPH, MBA Research Support Research Support Research Support Research Support	Össur Smith & Nephew Arthrex, Inc. Siemens	Jennifer Marie Byrd MD	Nothing to Disclose
Stephen F. Brockmeier MD Paid Consultant Paid Consultant Research Support Research Support Research Support Publishing Relationship	Biomet MicroAire Surgical Instruments LLC Arthrex, Inc. Biomet Tornier Journal of Bone and Joint Surgery—American Springer Journal of Bone and Joint Surgery—American Orthopaedic Journal of Sports Medicine Techniques in Shoulder and Elbow Surgery American Orthopaedic Society for Sports Medicine MidAtlantic Shoulder and Elbow Society	J. Matthew Cage MD	Nothing to Disclose
Publishing Relationship Editorial / Governing Board		E. Lyle Cain Jr., MD Royalties Paid Consultant Paid Consultant Research Support Research Support Research Support Research Support Editorial / Governing Board Board / Committee	Arthrex, Inc. Arthrex, Inc. Theralase Arthrex, Inc. Biomet Sports Medicine DePuy Synthes Mitek Sports Medicine Smith & Nephew Endoscopy American Journal of Orthopedics American Orthopaedic Society for Sports Medicine
Editorial / Governing Board Editorial / Governing Board Board / Committee		Kenneth L. Cameron PhD, MPH, ATC	Nothing to Disclose
Board / Committee		Christopher L. Camp BS	Nothing to Disclose
Robert H. Brophy IV, MD Speakers Bureau / Paid Paid Consultant Stock Editorial / Governing Board Board / Committee	Smith & Nephew ISTO Technologies Ostesys American Journal of Sports Medicine American Orthopaedic Society for Sports Medicine	Kirk A. Campbell	Nothing to Disclose
Charles H. Brown Jr., MD Royalties Speakers Bureau / Paid Paid Consultant Stock Research Support	Smith & Nephew Endoscopy Smith & Nephew Endoscopy Smith & Nephew Endoscopy Johnson & Johnson Smith & Nephew Endoscopy	James L. Carey MD, MPH Editorial / Governing Board Board / Committee	The American Journal of Sports Medicine AAOS
William M Browning, III, DO	Nothing to Disclose	Michelle G. Carlson MD Publishing Relationship Editorial / Governing Board Editorial / Governing Board Board / Committee	Saunders / Mosby-Elsevier American Journal of Sports Medicine Journal of Hand and Microsurgery American Society for Surgery of the Hand
Richard Brull MD	Nothing to Disclose	James E. Carpenter MD Stock Stock Editorial / Governing Board Board / Committee	Pfizer Stryker American Journal of Sports Medicine American Board of Orthopaedic Surgery, Inc. American Orthopaedic Association
Jennifer Bullen MS	Nothing to Disclose	Dominic S. Carreira MD Paid Consultant Paid Consultant Other Financial / Material Support Board / Committee	Biomet Mitek Smith & Nephew American Orthopaedic Foot and Ankle Society
Jayme Burket PhD	Nothing to Disclose		
Stephen S. Burkhart MD Royalties Paid Consultant Publishing Relationship	Arthrex, Inc. Arthrex, Inc. Wolters Kluwer Health— Lippincott Williams & Wilkins		
Robert T. Burks MD Royalties Speakers Bureau / Paid Paid Consultant Paid Consultant UnPaid Consultant Research Support	Arthrex, Inc. Mitek Mitek VirtaMed Arthrex, Inc. DePuy Synthes Mitek Sports Medicine		

Faculty/Planner Disclosure Declaration

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Sasha Carsen MD, MBA	Nothing to Disclose	Publishing Relationship Board / Committee	Saunders / Mosby-Elsevier American Orthopaedic Foot and Ankle Society
Jaskarndip Chahal MD, FRCSC	Nothing to Disclose		
William Champion Publishing Relationship Board / Committee	Rockbench Orthopaedic Research and Education Foundation	John C. Clohisy MD Paid Consultant Research Support Research Support Research Support Publishing Relationship	Microport Orthopedics, Inc. Pivot Medical Smith & Nephew Zimmer Wolters Kluwer Health – Lippincott Williams & Wilkins
Sivashankar Chandrasekaran MD	Nothing to Disclose	Elizabeth Cody MD	Nothing to Disclose
Hannah-Sophie Chapman DVM	Nothing to Disclose	Yermie Cohen	Nothing to Disclose
John Cherf MD, MPH, MBA Royalties Speakers Bureau / Paid Paid Consultant Paid Consultant Stock Publishing Relationship	Innomed Breg Breg Zimmer Johnson & Johnson Wolters Kluwer Health – Lippincott Williams & Wilkins AAOS Now AAOS National Orthopedic Education Society Illinois Association of Orthopedic Surgeons	Brian J. Cole MD, MBA Royalties Royalties Royalties Paid Consultant Paid Consultant Paid Consultant Stock Stock Research Support Research Support Research Support Research Support	Arthrex, Inc. DJO Global, Inc. Elsevier Publishing Arthrex, Inc. Regentis Zimmer Carticept Regentis Arthrex, Inc. Medipost Musculoskeletal Transplant Foundation National Institutes of Health (NIAMS & NICHD) Zimmer
Editorial / Governing Board Board / Committee Board / Committee Board / Committee		Research Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Publishing Relationship Publishing Relationship Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board	Athletico Össur Smith & Nephew Tornier Saunders / Mosby-Elsevier SLACK Incorporated American Journal of Orthopedics Arthroscopy Journal of Bone and Joint Surgery – American Journal of Shoulder and Elbow Surgery Journal of the American Academy of Orthopaedic Surgeons AAOS American Orthopaedic Society for Sports Medicine American Shoulder and Elbow Surgeons Arthroscopy Association of North America International Cartilage Repair Society
Theresa Chiaia	Nothing to Disclose	Editorial / Governing Board Editorial / Governing Board	AAOS American Orthopaedic Society for Sports Medicine American Shoulder and Elbow Surgeons Arthroscopy Association of North America International Cartilage Repair Society
Constance R. Chu MD Board / Committee Board / Committee	American Orthopaedic Association American Orthopaedic Society for Sports Medicine	Board / Committee Board / Committee Board / Committee	
Matthew Chua PhD	Nothing to Disclose	Philippe Collin MD Royalties UnPaid Consultant UnPaid Consultant	Tornier Smith & Nephew Tornier
Steven Chudik MD Royalties Paid Consultant Paid Consultant	Arthrex, Inc. Adventist La Grange Memorial Hospital Arthrex, Inc.	Patricia Connell MPH	Nothing to Disclose
Michael G. Ciccotti MD Paid Consultant Paid Consultant Research Support Board / Committee Board / Committee	Stryker Endoscopy Venture MD Arthrex, Inc. Herodicus Society Executive Board Major League Baseball Team Physicians Association Board of Directors Orthopaedic Learning Center Board of Directors	Evan J. Conte MD	Nothing to Disclose
Board / Committee		John E. Conway MD Royalties Editorial / Governing Board	Arthrex, Inc. American Journal of Sports Medicine
David Marc Civitarese BA	Nothing to Disclose	James L. Cook DVM, PhD Royalties Speakers Bureau / Paid Paid Consultant	Arthrex, Inc. Arthrex, Inc. Arthrex, Inc.
Steven Claes MD Speakers Bureau / Paid Speakers Bureau / Paid Paid Consultant	Arthrex, Inc. Smith & Nephew Arthrex, Inc.		
Thomas O. Clanton MD Royalties Royalties Speakers Bureau / Paid Speakers Bureau / Paid Speakers Bureau / Paid Speakers Bureau / Paid Paid Consultant Paid Consultant Paid Consultant Paid Consultant Research Support	Arthrex, Inc. Stryker Arthrex, Inc. Small Bone Innovations Stryker Wright Medical Technology, Inc. Arthrex, Inc. Small Bone Innovations Stryker Wright Medical Technology, Inc. Arthrex, Inc.		

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Paid Consultant	Pivot Medical	Thomas M. DeBerardino MD	
Paid Consultant	Schwartz Biomedical	Royalties	Arthrex, Inc.
Research Support	Arthrex, Inc.	Paid Consultant	Arthrex, Inc.
Research Support	MicroAire Surgical Instruments LLC	Paid Consultant	Musculoskeletal Transplant Foundation
Research Support	Musculoskeletal Transplant Foundation	Research Support	Arthrex, Inc.
Research Support	Nutramax	Research Support	Musculoskeletal Transplant Foundation
Research Support	Zimmer	Research Support	Histogenics
Publishing Relationship	Thieme	Editorial / Governing Board	Current Orthopaedic Practice (COP)
Editorial / Governing Board	Journal of Knee Surgery	Board / Committee	American Orthopaedic Society for Sports Medicine
Editorial / Governing Board	Clinical Orthopaedics and Related Research		
Jay B. Cook MD	Nothing to Disclose	Richard Debski PhD	Nothing to Disclose
Frank A. Cordasco MD, MS		Patrick J. DeMeo MD	Nothing to Disclose
Royalties	Arthrex, Inc.	Polly deMille	Nothing to Disclose
Royalties	ConMed	Elizabeth R. Dennis MS	Nothing to Disclose
Paid Consultant	Arthrex, Inc.	Claire Denny PA-C	Nothing to Disclose
Publishing Relationship	Wolters Kluwer Health – Lippincott Williams & Wilkins	Matteo Denti MD	Nothing to Disclose
Editorial / Governing Board	Journal of Shoulder and Elbow Surgery	Brian M. Devitt MD	Nothing to Disclose
Board / Committee	AAOS	Jonathan F. Dickens MD	
Board / Committee	American Shoulder and Elbow Surgeons	Board / Committee	Society of Military Orthopaedic Surgeons
Board / Committee	American Orthopaedic Society for Sports Medicine		
Rogelio Coronado	Nothing to Disclose	David R. Diduch MD	
Andrew J. Cosgarea MD		Royalties	Arthrocare
Research Support	Toshiba	Paid Consultant	Mitek
Publishing Relationship	Elsevier	Research Support	Genzyme
Editorial / Governing Board	The Journal of Knee Surgery, Sports Medicine and Arthroscopy Review, Sports Health: A Multidisciplinary Approach	Research Support	Mitek
Board / Committee	AAOS	Research Support	Zimmer
Board / Committee	American Orthopaedic Society for Sports Medicine	Research Support	Moximed
Board / Committee	Patellofemoral Foundation	Research Support	Arthrex, Inc.
Ron Courson	Nothing to Disclose	Publishing Relationship	Springer
Edward V. Craig MD		Board / Committee	AAOS
Royalties	Biomet	Board / Committee	American Orthopaedic Society for Sports Medicine
Paid Consultant	Biomet		
Publishing Relationship	Wolters Kluwer Health – Lippincott Williams & Wilkins	Lindsey N. Dietrich MD	Nothing to Disclose
Board / Committee	AAOS	David M. Dines MD	
Board / Committee	American Shoulder and Elbow Surgeons	Royalties	Biomet, Inc.
Robert A. Creighton MD	Nothing to Disclose	Paid Consultant	Wright Medical Tech., Inc.
Jessica Cross	Nothing to Disclose	Publishing Relationship	Springer
Gregory Cvetanovich MD	Nothing to Disclose	Editorial / Governing Board	Wolters Kluwer Health – Lippincott Williams & Wilkins
Michael Dacey	Nothing to Disclose	Board / Committee	American Shoulder and Elbow Surgeons
Diane L. Dahm MD		Joshua S. Dines MD	
Royalties	TENEX Health	Royalties	Biomet
Stock	TENEX Health	Speakers Bureau / Paid	Arthrex, Inc.
Board / Committee	Arthroscopy Association of North America	Paid Consultant	Arthrex, Inc.
Board / Committee	AAOS Arthroscopy and Sports Medicine	Paid Consultant	ConMed
Dhanur Damodar	Nothing to Disclose	Publishing Relationship	Journal of Shoulder and Elbow Surgery
David Dare MD	Nothing to Disclose	Editorial / Governing Board	American Journal of Orthopedics
Jennifer Lynn D'Auria	Nothing to Disclose	Editorial / Governing Board	Journal of Shoulder and Elbow Surgery
Adrian Davis MD		Stephanie Distasi PT PhD, OCS	Nothing to Disclose
Research Support	Synthes	Emily Dodwell MD, MPH	Nothing to Disclose
Research Support	Zimmer	Andrew Dold MD	Nothing to Disclose

Faculty/Planner Disclosure Declaration

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Benjamin G. Domb MD Royalties Royalties Speakers Bureau/ Paid Speakers Bureau/ Paid Paid Consultant Paid Consultant Paid Consultant Stock Research Support Research Support Research Support Research Support Research Support Board/ Committee Board/ Committee	DJO Global, Inc. Orthomerica Arthrex, Inc. ATI Arthrex, Inc. Mako Surgical Pacira Stryker Arthrex, Inc. Mako Surgical MedWest Adventist Hinsdale Hospital ATI Breg American Hip Institute AANA Learning Center Committee	Warren R. Dunn MD, MPH Paid Consultant Board/ Committee Board/ Committee Board/ Committee Kevin F. Dunne BS Tim Dwyer MD Cory M. Edgar MD, PhD Paid Consultant Research Support Eric W. Edmonds MD Speakers Bureau/ Paid Speakers Bureau/ Paid Research Support Board/ Committee Board/ Committee Board/ Committee Neal S. ElAttrache MD Royalties Research Support Board/ Committee Claire Eliasberg Hussein A. Elkousy MD Stock Stock Stock Stock Stock Stock Lars Engebretsen MD, PhD Royalties Speakers Bureau/ Paid Speakers Bureau/ Paid Paid Consultant Paid Consultant Research Support Research Support Publishing Relationship Editorial/ Governing Board Editorial/ Governing Board Editorial/ Governing Board Board/ Committee Brandon J. Erickson MD Alejandro Espinoza PhD João Espregueira-Mendes MD, PhD Editorial Board Editorial/ Governing Board Board Member Allyson A. Estess MD	ConMed AAOS American Orthopaedic Society for Sports Medicine American Shoulder and Elbow Surgeons Nothing to Disclose Nothing to Disclose DePuy Synthes Mitek Sports Medicine NCS Lab Arthrex, Inc. Orthopediatrics Inion AAOS American Orthopaedic Society for Sports Medicine Pediatric Orthopaedic Society of North America Arthrex, Inc. (Current patent agreement only, no royalties at this time.) Arthrex, Inc. American Orthopaedic Society for Sports Medicine Nothing to Disclose Abbott Eli Lilly GE Healthcare Johnson & Johnson Pfizer Arthrex, Inc. Arthrex, Inc. Smith & Nephew Endoscopy Arthrex, Inc. Smith & Nephew Arthrex, Inc. Smith & Nephew Endoscopy Other: Book royalties from Norway Journal of Bone and Joint Surgery American, British Journal of Sports Med KSSTA Journal European Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Nothing to Disclose Nothing to Disclose Knee Surgery, Sports Traumatology, and Arthroscopy European Society for Sports Traumatology, Knee Surgery and Arthroscopy European Society for Sports Traumatology, Knee Surgery and Arthroscopy Nothing to Disclose
Kyna Donohue BS	Nothing to Disclose		
Grant Dornan Research Support Research Support Research Support Research Support Research Support Research Support Research Support	Siemens Medical Solutions USA Smith & Nephew Endoscopy Arthrex, Inc. Össur Americas Small Bone Innovations ConMed Opedix		
Jason L. Dragoo MD Paid Consultant Paid Consultant Paid Consultant Paid Consultant Paid Consultant Paid Consultant Paid Consultant Research Support Research Support Other Financial/ Material Support Editorial/ Governing Board Board/ Committee	Beckman Dickenson ConMed Genzyme Össur DePuy Synthes Mitek Sports Medicine RNL Bio Moximed Linvatec Össur Emcyte American Journal of Sports Medicine American Orthopaedic Society for Sports Medicine		
Kyle R. Duchman MD	Nothing to Disclose		
Jeffrey R. Dugas MD Royalties Royalties UnPaid Consultant UnPaid Consultant Stock Stock Research Support Research Support Research Support Research Support Research Support Research Support Publishing Relationship Editorial/ Governing Board Editorial/ Governing Board Board/ Committee Board/ Committee	Arthrex, Inc. Topical Gear Arthrex, Inc. Theralase Theralase Topical Gear Aesculap/ B.Braun Mitek Smith & Nephew Arthrex, Inc. Stryker Cayenne Oakstone Publishing American Journal of Orthopedics American Journal of Sports Medicine American Orthopaedic Society for Sports Medicine American Shoulder and Elbow Surgeons		

Editorial / Governing Board

DePuy Synthes Mitek Sports
Medicine
Arthrex, Inc:
Arthrex, Inc.
Arthrocare
Medshape, Inc.
Moximed, Inc.
Osiris Therapeutics, Inc.
Ceterix Orthopaedics
Genzyme a Sanofi Company
Arthrex, Inc.
DePuy Synthes Mitek Sports
Medicine
Mitek
RTi Biologics, Inc.
Zimmer
Stryker
Advanced Biosurfaces
NuOrtho Surgical, Inc.
Schwartz Biomedical, LLC.
Knee Creations, LLC
SBM Inc.
BioRegeneration Technologies
NuTech Medical
Moximed, Inc.
Medshape, Inc.
Arthrocare
MedShape, Inc.
Genzyme a Sanofi Company
DePuy Synthes Mitek Sports Medicine
RTi Biologics, Inc.
Zimmer
DePuy Synthes Mitek Sports Medicine
Knee Creations, Inc.
NuTech Medical
Moximed, Inc.
Arthrocare
Histogenics
Springer
Thieme Medical Publishers, Inc.
American Journal of Sports Medicine
Cartilage Journal of Knee Surgery
Clinical Orthopaedics and Related
Research
Knee Surgery, Sports Traumatology, and
Arthroscopy
The Knee

Kevin R. Ford PhD
Research Support

Nothing to Discuss
Adidas

Faculty/Planner Disclosure Declaration

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Magnus L. Forssblad MD, PhD Editorial / Governing Board	Knee Surgery, Sports Traumatology, Arthroscopy	Other Financial / Material Support Publishing Relationship	Sanofi Wolters Kluwer Health – Lippincott Williams & Wilkins
Brian Forsythe MD Speakers Bureau / Paid Speakers Bureau / Paid Paid Consultant Stock Research Support Research Support	Arthrosurface Sonoma Sonoma Jace Medical Arthrex, Inc. Smith & Nephew	Publishing Relationship Board / Committee	DJO Global, Inc. Patellofemoral Foundation
Lisa A. Fortier DVM, PhD Royalties Paid Consultant Research Support Editorial / Governing Board	Arthrex, Inc. Arthrex, Inc. Arthrex, Inc. American Journal of Sports Medicine	Fernando Fuso MD	Nothing to Disclose
Darren A. Frank MD Speakers Bureau / Paid Paid Consultant Research Support	Arthrex, Inc. Arthrex, Inc. Arthrex, Inc.	Joel Joseph Gagnier MD, PhD Editorial / Governing Board Editorial / Governing Board	Other World Journal of Orthopaedics
Rachel M. Frank MD	Nothing to Disclose	Andrew Gambone MD	Nothing to Disclose
Freddie H. Fu MD Paid Employee Stock Publishing Relationship	Stryker Stryker Wolters Kluwer Health – Lippincott Williams & Wilkins	Theodore J. Ganley MD	Nothing to Disclose
Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board	American Journal of Sports Medicine Musculoskeletal Journal European Journal of Trauma FORMOSAN Journal of Musculoskeletal Disorders	Grant Garcia MD	Nothing to Disclose
Editorial / Governing Board Editorial / Governing Board	Isokinetics and Exercise Science Journal of Bone and Joint Surgery – American	Elizabeth Bishop Gausden MD	Nothing to Disclose
Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board	Journal of Dance Medicine & Science Journal of Exercise Science & Fitness Journal of Orthopaedic Surgery (Asia / Pacific Ortho Association)	Andrew G. Geeslin MD	Nothing to Disclose
Editorial / Governing Board	Journal of Orthopaedic Surgery and Research (Chinese Speaking Orthopaedic Society)	Derik J. Geist MD	Nothing to Disclose
Editorial / Governing Board	Knee Surgery, Sports Traumatology, Arthroscopy	Amaris Genemaras BS	Nothing to Disclose
Editorial / Governing Board	Open Access Journal of Sports Medicine	Peter G. Gerbino II, MD Editorial / Governing Board Board / Committee	Journal of Dance Medicine and Science AAOS
Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board Board / Committee Board / Committee	OrthoEvidence Orthopedics Today Saunders / Mosby-Elsevier Sports Exercise and Injury Sports Medicine AAOS International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine World Endoscopy Doctors Association	Daniel Gibbs MD	Nothing to Disclose
Takumi Fukunaga DPT	Nothing to Disclose	Steven Adam Giuseffi MD	Nothing to Disclose
John P. Fulkerson MD Royalties Speakers Bureau / Paid UnPaid Consultant Other Financial / Material Support Other Financial / Material Support	DJO Global, Inc. ConMed DJO Global, Inc. Kinamed Smith & Nephew	Russell Giveans PhD Paid Consultant	Ortholink Pty Ltd
		Evan Glidewell	Nothing to Disclose
		Jessica Goetz PhD	Nothing to Disclose
		Mary T. Goldsmith MSc	Nothing to Disclose
		M. Mustafa Gombera MD	Nothing to Disclose
		Andreas H. Gomoll MD Paid Consultant Paid Consultant Paid Consultant Paid Consultant Paid Consultant Paid Consultant Publishing Relationship Editorial / Governing Board Editorial / Governing Board Board / Committee	Aesculap / B. Braun Cartiheal Geistlich Genzyme Norvartis SBM SLACK Incorporated Cartilage Orthopaedic Journal of Sports Medicine American Orthopaedic Society for Sports Medicine ICRS
		Board / Committee	
		Lionel Gottschalk MD	Nothing to Disclose
		Guilherme Gracitelli MD	Nothing to Disclose
		Lars-Petter Granan MD, PhD	Nothing to Disclose
		Brian Grawe MD	Nothing to Disclose
		Aaron D. Gray MD	Nothing to Disclose
		Tinker Gray MA, ELS	Nothing to Disclose
		Jessica Graziano	Nothing to Disclose
		Daniel W. Green MD Royalties Royalties Speakers Bureau / Paid Publishing Relationship	Arthrex, Inc. Pega Medical Arthrex, Inc. Current Opinion in Pediatrics

FACULTY / ROLE	COMPANY
Publishing Relationship	Wolters Kluwer Health – Lippincott Williams & Wilkins
Editorial/ Governing Board	Current Opinion in Pediatrics
Board/ Committee	AAOS
Board/ Committee	New York County Medical Society
Board/ Committee	New York State Society Of Orthopedic Surgeons
BoardvCommittee	Pediatric Orthopaedic Society of North America
Mitchell Greenberg MS	Nothing to Disclose
Joshua A. Greenspoon BSc	Nothing to Disclose
Patrick E. Greis MD	Nothing to Disclose
Hege Grindem PT, MSc	Nothing to Disclose
Mars Group	Nothing to Disclose
MOON Knee Group	Nothing to Disclose
Jeffrey S. Grzybowski	Nothing to Disclose
Daniel Guenther Editorial/ Governing Board	International Journal of Orthopaedics
Joseph H. Guettler MD Stock Stock Research Support Board/ Committee	Johnson & Johnson Stryker Endoscopy Other – Neocart and Novocart American Orthopaedic Society for Sports Medicine
Chengcheng Gui BSE	Nothing to Disclose
Lawrence Vincent Gulotta MD Speakers Bureau/ Paid Paid Consultant Editorial/ Governing Board	Biomet Biomet HSS Journal
Asheesh Gupta MD, MPH	Nothing to Disclose
Frank Winston Gwathmey Jr., MD	Nothing to Disclose
Amanda Haas MA Research Support	National Institutes of Health (NIAMS & NICHD)
Nahir A. Habet MS	Nothing to Disclose
Sharon L. Hame MD Other Financial/ Material Support Board/ Committee	Smith & Nephew American Orthopaedic Society for Sports Medicine
Board/ Committee	Ruth Jackson Orthopaedic Society, Forum
Margaret Lydia Hankins	Nothing to Disclose
Jo A. Hannafin MD, PhD Board/ Committee	American Orthopaedic Society for Sports Medicine
Board/ Committee	Herodicus Society
Richard Hardy MA, ATC	Nothing to Disclose
Gregory Harkey MD	Nothing to Disclose
Christopher D. Harner MD Other Financial/ Material Support Other Financial/ Material Support Publishing Relationship	ConMed Smith & Nephew Wolters Kluwer Health – Lippincott Williams & Wilkins
Board/ Committee	American Orthopaedic Society for Sports Medicine

FACULTY / ROLE	COMPANY
Board/ Committee	International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine
Board/ Committee	Musculoskeletal Transplant Foundation
Joseph M. Hart PhD, ATC Stock Research Support Editorial/ Governing Board Editorial/ Governing Board Editorial/ Governing Board	Other (Springbok, Inc) Genzyme Biosurgery Journal of Athletic Training Journal of Sports Rehabilitation Athl Train Sprt Health Care
Jonathan D. Haskel BA	Nothing to Disclose
George F. Hatch III, MD Speakers Bureau/ Paid	Arthrex, Inc.
Christine Haug Editorial/ Governing Board Editorial/ Governing Board	Journal of Oral and Maxillofacial Surgery The Oral and Maxillofacial Surgery Clinics of North America
Editorial/ Governing Board	The Atlas of the Oral and Maxillofacial Surgery Clinics of North America
Richard J. Hawkins MD, FRCSC Royalties Paid Consultant Paid Consultant Paid Consultant Publishing Relationship	Össur Arthrex, Inc. DJO Global, Inc. Other – Pacira Wolters Kluwer Health – Lippincott Williams & Wilkins American Shoulder and Elbow Surgeons
Board/ Committee	
C. Thomas Haytmanek MD	Nothing to Disclose
Mark Heidenreich	Nothing to Disclose
Patrick Henry	Nothing to Disclose
Daniel C. Herman MD, PhD Editorial/ Governing Board	Sports Biomechanics Research in Sports Medicine American Journal of Physical Medicine and Rehabilitation
Board/ Committee	American Medical Society for Sports Medicine
Carolyn M. Hettrich MD, MPH Research Support Board/ Committee Board/ Committee	Tornier Orthopaedic Research Society American Orthopaedic Society for Sports Medicine
Board/ Committee	Iowa Orthopaedic Society
Timothy E. Hewett PhD, FACSM	Nothing to Disclose
Benton E. Heyworth MD Board/ Committee	American Orthopaedic Society for Sports Medicine
Board/ Committee	Pediatric Orthopaedic Society of North America
Laurence D. Higgins MD Board/ Committee Board/ Committee Board/ Committee Board/ Committee	AAOS AIM American Shoulder and Elbow Surgeons Arthroscopy Association of North America
M. Alan Hinton MD	Nothing to Disclose
Jaime Rodrigo Hinzpeter MD	Nothing to Disclose
Brian P. Hollett	Nothing to Disclose

Faculty / Planner Disclosure Declaration

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Marilee P. Horan MPH Research Support Research Support Research Support Research Support	Arthrex, Inc. Össur Siemens Medical Solutions USA Smith & Nephew	John Jasko MD Speakers Bureau / Paid	Arthrex, Inc.
Robert Hosey MD	Nothing to Disclose	Rohit Jayakar	Nothing to Disclose
Yuichi Hoshino	Nothing to Disclose	Laith M. Jazrawi MD Paid Consultant Research Support Research Support Publishing Relationship	Ferring Pharmaceuticals Arthrex, Inc. Mitek Wolters Kluwer Health – Lippincott Williams & Wilkins
Chun-Yuh Charles Huang PhD	Nothing to Disclose	Timothy Jelsema	Nothing to Disclose
Thomas R. Hunt III, MD Royalties Paid Consultant Stock Publishing Relationship	Tornier Acumed, LLC Tornier Wolters Kluwer Health – Lippincott Williams & Wilkins	Kyle Jisa	Nothing to Disclose
Board / Committee Board / Committee	AAOS American Orthopaedic Society for Sports Medicine	Christopher D. Johnson DPT	Nothing to Disclose
Board / Committee	American Association for Hand Surgery	Darren L. Johnson MD Royalties Paid Consultant Research Support Research Support Publishing Relationship Board / Committee	Smith & Nephew Smith & Nephew Endoscopy DJO Global, Inc. Smith & Nephew Endoscopy Elsevier American Orthopaedic Society for Sports Medicine
Shepard R. Hurwitz MD Publishing Relationship Publishing Relationship Board/Committee	Other – Elsevier SLACK Incorporated American Board of Orthopaedic Surgery, Inc.	Board / Committee	Southern Orthopaedic Association
Board/Committee	Orthopaedic Research and Education Foundation	Christopher M. Jones MD	Nothing to Disclose
Kristen Elizabeth Hussey BS	Nothing to Disclose	Deryk G. Jones MD Speakers Bureau / Paid Speakers Bureau / Paid Speakers Bureau / Paid Speakers Bureau / Paid Paid Consultant Paid Consultant Research Support Editorial / Governing Board	DePuy Synthes Mitek Sports Medicine DJO Global, Inc. DonJoy Orthopaedics Genzyme Biosurgery DePuy Synthes Mitek Sports Medicine Genzyme Biosurgery ConforMIS Inc. Musculoskeletal Transplant Company
Laura J. Huston MS	Nothing to Disclose	Grant L. Jones MD Other Financial / Material Support Board / Committee	Musculoskeletal Transplant Foundation American Orthopaedic Society for Sports Medicine
Mark R. Hutchinson MD Editorial / Governing Board Editorial / Governing Board	American Journal of Sports Medicine British Journal of Sport Medicine Physician Medicine and Science in Sport and Exercise Orthopaedic Learning Center American College of Sports Medicine	Kay S. Jones MSN, RN	Nothing to Disclose
Board / Committee Board / Committee		Kerwyn C. Jones MD Paid Consultant	Orthopediatrics
Peter A. Indelicato MD Royalties Paid Consultant Paid Consultant Paid Consultant Stock Board / Committee	Arthrex, Inc. Arthrex, Inc. Össur Regeneration Technologies, Inc. Regeneration Technologies, Inc. American Orthopaedic Society for Sports Medicine	Kristofer J. Jones MD	Nothing to Disclose
Mary Lloyd Ireland MD Board / Committee Board / Committee Board / Committee	AAOS American College of Sports Medicine American Orthopaedic Society for Sports Medicine	Morgan H. Jones MD Editorial / Governing Board	Orthopaedic Journal of Sports Medicine
Board / Committee	Ruth Jackson Orthopaedic Society	Jacob Joseph BA	Nothing to Disclose
James J. Irrgang PT, PhD, ATC Editorial / Governing Board Board / Committee	Physical Therapy Journal. American Physical Therapy Association	Scott G. Kaar MD	Nothing to Disclose
James N. Irvine Jr., MD	Nothing to Disclose	Christopher C. Kaeding MD Paid Consultant Paid Consultant Research Support Other Financial / Material Support Other Financial / Material Support Board / Committee Board / Committee Board / Committee	Biomet Omeros DJO Global, Inc. Arthrex, Inc. Smith & Nephew AAOS American Orthopaedic Association American Orthopaedic Society for Sports Medicine
Timothy J. Jackson MD	Nothing to Disclose	Board / Committee	Mid-American Orthopaedic Society
Christopher Ryan James MD	Nothing to Disclose	Jay V. Kalawadia MD	Nothing to Disclose
Evan William James MD	Nothing to Disclose		

FACULTY / ROLE	COMPANY
Leslie Kalish	Nothing to Disclose
Ganesh V. Kamath MD	Nothing to Disclose
Lee D. Kaplan MD	Nothing to Disclose
Vasili Karas MD	Nothing to Disclose
Jon Karlsson MD, PhD Board / Committee	International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine
Mia Katzel DPT	Nothing to Disclose
James S. Keene MD Board / Committee	American Orthopaedic Society for Sports Medicine
Ethan L. Kellum MD	Nothing to Disclose
Bryan T. Kelly MD UnPaid Consultant Stock	A-3 Surgical A-3 Surgical
John D. Kelly IV, MD Publishing Relationship Royalties Orthopedics Orthopedics Today Eastern Ortho Assoc.	Book Editor, no royalties Editorial / Governing Board Editorial / Governing Board Board / Committee
Mitchell Lung Kennedy	Nothing to Disclose
Nicholas I. Kennedy	Nothing to Disclose
Kerry Kenny	Nothing to Disclose
Keith Kenter MD Speakers Bureau / Paid Paid Consultant Board / Committee Board / Committee	Smith & Nephew Schwartz Biomedical American Orthopaedic Association American Orthopaedic Society for Sports Medicine
Board / Committee Board / Committee Board / Committee	AAOS Mid-America Orthopaedic Society American Board of Orthopaedic Surgery, Inc.
Board / Committee	American Shoulder and Elbow Surgeons
Vincent H. Key MD	Nothing to Disclose
Amir Khoshbin MD	Nothing to Disclose
Jane Khoury PhD	Nothing to Disclose
W. Ben Kibler MD UnPaid Consultant Stock Editorial / Governing Board Board / Committee	Alignmed Alignmed BJSM Arthroscopy Association of North America
Kelly G Kilcoyne MD	Nothing to Disclose
James Kinderknecht MD	Nothing to Disclose
Michael J. Kissenberth MD Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support	DJO Global, Inc. Breg Smith & Nephew Greenville Hospital System Arthrocare Arthrex, Inc. Pacira Neurotech

FACULTY / ROLE	COMPANY
Other Financial / Material Support Board / Committee	Arthrosurface The Hawkins Foundation
Mininder S. Kocher MD, MPH Paid Consultant Paid Consultant Stock Stock Research Support Publishing Relationship Board / Committee Board / Committee Board / Committee	OrthoPediatrics Smith & Nephew Fixes 4 Kids Pivot Medical Össur Saunders / Mosby-Elsevier AAOS ACL Study Group American Orthopaedic Society for Sports Medicine Harvard Medical School Harvard School of Public Health Herodius Society Pediatric Orthopaedic Society of North America PRISM Steadman Philippon Research Institute
Board / Committee Board / Committee Board / Committee Board / Committee	
Board / Committee Board / Committee	
Jorden Komm	Nothing to Disclose
John Kozy	Nothing to Disclose
Kevin P. Krul MD	Nothing to Disclose
Aaron John Krych MD Paid Consultant Research Support Research Support	Arthrex, Inc. Arthritis Foundation Histogenics
John E. Kuhn MD Publishing Relationship Editorial / Governing Board Editorial / Governing Board Board / Committee	Journal of Shoulder and Elbow Surgery Journal of Shoulder and Elbow Surgery Techniques in Shoulder and Elbow Surgery American Orthopaedic Society for Sports Medicine American Shoulder and Elbow Surgeons
Board / Committee	
Matthew Kuklis Stock	Pfizer
Noam Kupfer	Nothing to Disclose
Ryosuke Kuroda MD	Nothing to Disclose
Keiichi Kuroki DVM	Nothing to Disclose
Mark LaBelle BS	Nothing to Disclose
Sameh A. Labib MD, FRCSC Arthrex, Inc. Arthrex, Inc. Conformis Inc. Arthrex, Inc. Zimmer	Speakers Bureau / Paid Paid Consultant Stock Research Support Research Support
Edward Lacerte Board / Committee	National Basketball Athletic Trainers Association
Richard J. Lamour MD	Nothing to Disclose
Germanuel Lavar Landfair	Nothing to Disclose
Kevin Lapham Paid Employee Stock	Astellas Astellas

Faculty/Planner Disclosure Declaration

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Robert F. LaPrade MD, PhD		Editorial / Governing Board	Clinics in Orthopaedic Surgery
Royalties	Arthrex, Inc.	Board / Committee	American Shoulder and Elbow Surgeons
Royalties	Smith & Nephew	Board / Committee	American Shoulder and Elbow Surgeons
Paid Consultant	Arthrex, Inc.	Timothy Leroux MD	Nothing to Disclose
Paid Consultant	Össur	William N. Levine MD	
Paid Consultant	Smith & Nephew	UnPaid Consultant	Zimmer
Research Support	Arthrex, Inc.	Editorial / Governing Board	Journal of the American Academy of Orthopaedic Surgeons
Research Support	Smith & Nephew		American Board of Orthopaedic Surgery, Inc.
Research Support	Össur	Board / Committee	American Orthopaedic Association
Research Support	Linvatec		
Editorial / Governing Board	Knee Surgery	Bruce A. Levy MD	
Editorial / Governing Board	Sports Traumatology	Royalties	VOT Solutions
Editorial / Governing Board	Arthroscopy	Royalties	Arthrex, Inc.
Editorial / Governing Board	American Journal of Sports Medicine	Paid Consultant	Arthrex, Inc.
Board / Committee	American Orthopaedic Society for Sports Medicine	Research Support	Arthrex, Inc.
	International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine	Research Support	Biomet
Board / Committee	Arthroscopy Association of North America	Research Support	Stryker
Board / Committee	ESSKA	Editorial / Governing Board	Journal of Knee Surgery
Christopher Larsen	Nothing to Disclose	Editorial / Governing Board	Knee Surgery
Christopher M. Larson MD		Editorial / Governing Board	Sports Traumatology
Paid Consultant	Smith & Nephew	Editorial / Governing Board	Arthroscopy
Paid Consultant	A3 Surgical	Editorial / Governing Board	CORR
Stock	A3 Surgical	Editorial / Governing Board	Journal Of Arthroscopic And Related Research
Research Support	Smith & Nephew	Editorial / Governing Board	Arthroscopy Association of North America (ISAKOS Representative)
Editorial / Governing Board	Arthroscopy	Board / Committee	
Christian Lattermann MD		Thomas Licatesi	Nothing to Disclose
Speakers Bureau / Paid	Genzyme Biosurgery	Parth Lodhia MD	Nothing to Disclose
Paid Consultant	Genzyme Biosurgery	David Logerstedt PT, PhD	The American Physical Therapy Association
Paid Consultant	Kentucky Medical Society Foundation	Board / Committee	
Research Support	Smith & Nephew Endoscopy	Nick J. Lombardi	Nothing to Disclose
Editorial / Governing Board	Cartilage The Knee	Daniel Joseph Lombardo MD	Nothing to Disclose
Board / Committee	ICRS	John A. Lombardo MD	Nothing to Disclose
Mark Lazarus MD		Nicola Lopomo PhD	Nothing to Disclose
Royalties	Tornier	Thomas Sean Lynch MD	Nothing to Disclose
Speakers Bureau / Paid	Tornier	Chunbong Benjamin Ma MD	
Speakers Bureau / Paid	Mytek	Paid Consultant	Zimmer
Paid Consultant	Tornier	Research Support	Zimmer
Stock	Tornier	Publishing Relationship	SLACK Incorporated
Simon Lee MD		Editorial / Governing Board	Knee
Publishing Relationship	SLACK Incorporated	Editorial / Governing Board	SLACK Incorporated
Editorial / Governing Board	Foot and Ankle International	Board / Committee	American Orthopaedic Society for Sports Medicine
Board / Committee	American Orthopaedic Foot and Ankle Society	Board / Committee	Arthroscopy Association of North America
Steven J. Lee MD		Board / Committee	International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine
Paid Consultant	Arthrex, Inc.	Peter B. MacDonald MD, FRCS	
Thay Q. Lee PhD		Research Support	Arthrex, Inc.
Paid Consultant	ConMed	Research Support	ConMed
Paid Consultant	Corentec	Research Support	Össur
Paid Consultant	DePuy Synthes Mitek Sports Medicine	Editorial / Governing Board	Journal of Shoulder and Elbow Surgery
Research Support	Eleven Blade	Editorial / Governing Board	Clinical Journal of Sports Medicine
Research Support	Arthrex, Inc.	Board / Committee	American Shoulder and Elbow Surgeons
Research Support	Corentec	Robert A. Magnussen MD	
Research Support	Arthrocare	Editorial / Governing Board	Orthopaedic Journal of Sports Medicine
Research Support	Acumed, LLC		
Research Support	Stryker		
Research Support	Tornier: CellCoTec		
Research Support	B Braun Medical: U&I		
Editorial / Governing Board	Journal of Shoulder and Elbow Surgery		

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Board / Committee	American Orthopaedic Society for Sports Medicine	Richard C. Mather III, MD	
Board / Committee	International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine	Paid Consultant	KNG Health Consulting
Nizar Mahomed MD		Paid Consultant	Pivot Medical
Speakers Bureau / Paid	Smith & Nephew Orthopaedics	Paid Consultant	Smith & Nephew
Stock	Arthritis Innovation Corporation	Paid Consultant	Stryker
Gregory Thomas Mahony BA	Nothing to Disclose	Stock	for[MD]
Michael D. Maloney MD		Board / Committee	Arthroscopy Association of North America
Speakers Bureau / Paid	Arthrex, Inc.	Board / Committee	American Academy of Orthopaedic Surgeons
Paid Consultant	Arthrex, Inc.		North Carolina Orthopaedic Association
Stock	Telephus	Braden K. Mayer MD	Nothing to Disclose
Board / Committee	American Orthopaedic Society for Sports Medicine	Erik Mayer	Nothing to Disclose
Bert R. Mandelbaum MD		Augustus D. Mazzocca MD, MS	
Royalties	Arthrex, Inc.	Paid Consultant	Arthrex, Inc.
Speakers Bureau / Paid	DePuy Synthes Mitek Sports Medicine	Research Support	Arthrex, Inc.
Paid Consultant	Arthrex, Inc.	David R. McAllister MD	
Paid Consultant	DePuy Synthes Mitek Sports Medicine	Royalties	Biomet
Paid Consultant	Johnson & Johnson	Royalties	DJO Global, Inc.
Paid Consultant	Regeneration Technologies	Speakers Bureau / Paid	Musculoskeletal Transplant Foundation
Paid Consultant	Exactech	Paid Consultant	Biomet
Paid Consultant	alter g	Paid Consultant	Musculoskeletal Transplant Foundation, Conmed
Paid Consultant	Game Ready	UnPaid Consultant	Smith & Nephew
UnPaid Consultant	DePuy Synthes Mitek Sports Medicine	Publishing Relationship	Elsevier
Other Financial / Material Support	Arthrex, Inc.	Editorial / Governing Board	American Journal of Sports Medicine
Other Financial / Material Support	Exactech	Board / Committee	American Orthopaedic Society for Sports Medicine
Editorial / Governing Board	American Journal of Sports Medicine		International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine
Board / Committee	Cartilage	Maira McCarthy MD	Nothing to Disclose
	Physician and Sports Medicine	Eric C. McCarty MD	
	Institute of Sports Sciences	Royalties	DJO Global, Inc.
Damon Mar	Nothing to Disclose	Royalties	Biomet
Adam Marmon	Nothing to Disclose	Paid Consultant	Biomet
Tim Martin MA	Nothing to Disclose	Paid Consultant	Mitek
Robert G. Marx MD, MSc, FRCSC		Research Support	Biomet
Publishing Relationship	Springer	Research Support	Mitek
Publishing Relationship	Demos Health	Research Support	Stryker
Editorial / Governing Board	HSS Journal	Research Support	Smith & Nephew
Editorial / Governing Board	Knee Surgery	Publishing Relationship	elsevier
Editorial / Governing Board	Sports Traumatology	Editorial / Governing Board	Orthopedics Today
Editorial / Governing Board	Arthroscopy	Editorial / Governing Board	Orthopedics American Journal of Sports Medicine
Editorial / Governing Board	Journal of Bone and Joint Surgery—American		American Orthopaedic Society for Sports Medicine
Board / Committee	International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine		International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine
John M. Marzo MD		Francis McCormick MD	
Speakers Bureau / Paid	Arthrex, Inc.	Research Support	Zimmer
Editorial / Governing Board	American Journal of Sports Medicine	Edward R. McDevitt MD	
Randhir Mascarenhas MD	Nothing to Disclose	Stock	Biomet
Brendan David Masini MD	Nothing to Disclose	Stock	Genzyme
Matthew J. Matava MD		Stock	Merck
Paid Consultant	ISTO Technologies	Stock	Pfizer
Paid Consultant	Schwartz Biomedical	Editorial / Governing Board	American Journal of Sports Medicine
Other Financial / Material Support	Arthrex, Inc.	Board / Committee	Eastern Orthopaedic Society Irish American Orthopaedic Society
Other Financial / Material Support	Breg		AAOS
Board / Committee	Southern Orthopedic Association	Board / Committee	American Orthopaedic Society for Sports Medicine
		Board / Committee	

Faculty/Planner Disclosure Declaration

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Edward G. McFarland MD Speakers Bureau / Paid Paid Consultant Paid Consultant Research Support	Stryker Stryker DePuy Synthes Mitek Sports Medicine DePuy Synthes Mitek Sports Medicine	Anthony Miniaci MD Royalties Royalties Speakers Bureau / Paid Speakers Bureau / Paid Speakers Bureau / Paid Paid Consultant Paid Consultant Paid Consultant Paid Consultant Paid Consultant	Arthrosurface, Inc. Zimmer Arthrosurface, Inc. ConMed Smith & Nephew Endoscopy Arthrosurface, Inc. ConMed Smith & Nephew Endoscopy Stryker Endoscopy Zimmer
Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board Board / Committee	American Journal of Sports Medicine Journal of Athletic Training Clinical Orthopedics and Related Research Association of Bone and Joint Surgeons	Stock Stock Stock Stock Stock Other Financial / Material Support Other Financial / Material Support Publishing Relationship	Arthrosurface, Inc. DePuy Synthes Mitek Sports Medicine Other Stryker Endoscopy Zimmer Arthrosurface, Inc. Stryker Endoscopy Wolters Kluwer Health – Lippincott Williams & Wilkins Wolters Kluwer Health – Lippincott Williams & Wilkins
Michelle H. McGarry MS	Nothing to Disclose	Editorial / Governing Board	American Orthopaedic Society for Sports Medicine American Shoulder and Elbow Surgeons Arthroscopy Association of North America International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine
Alan McGee Jr.	Nothing to Disclose	Board / Committee	
Kevin Jude McHale MD	Nothing to Disclose	Board / Committee Board / Committee Board / Committee	
Malachy P. McHugh PhD Editorial / Governing Board	Scandinavian Journal of Medicine and Science in Sports	Justin Mitchell MD	Nothing to Disclose
Terence McIlff PhD Research Support Research Support	Biomedical Enterprises Inc. Merete	William R. Mook MD	Nothing to Disclose
Chris Mellano MD	Nothing to Disclose	Claude T. Moorman III, MD Paid Consultant Stock Stock Stock Research Support Research Support Research Support Research Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Editorial / Governing Board Editorial / Governing Board Board / Committee Board / Committee	HeadTrainer HeadTrainer PrivIT Regado Moximed Zetroz HeadTrainer Histogenics Tornier Arthrex, Inc. Breg DJO Global, Inc. Mitek Smith & Nephew Sage Pub SJOA / Datatrace ACC Team Physicians Society American Orthopaedic Society for Sports Medicine
Heath Melugin	Nothing to Disclose		
David B. Merkow BS	Nothing to Disclose		
Alexa Merz	Nothing to Disclose		
Russell Meyer MD	Nothing to Disclose		
William C. Meyers MD	Nothing to Disclose		
Lyle J. Micheli MD UnPaid Consultant Research Support	Carticel Genzyme		
Andrew Milby MD	Nothing to Disclose		
Charles Milchteim MD	Nothing to Disclose		
Bruce S. Miller MD, MS Editorial / Governing Board	American Journal of Sports Medicine		
Mark D. Miller MD Publishing Relationship Publishing Relationship	Saunders / Mosby-Elsevier Wolters Kluwer Health – Lippincott Williams & Wilkins		
Editorial / Governing Board	Journal of Bone and Joint Surgery – American Miller Review Course		
Board / Committee			
Suzanne Laura Miller MD Paid Consultant Stock	Stryker Parcus		
Peter J. Millett MD, MSc Royalties Paid Consultant Paid Consultant Stock Stock Research Support Research Support Research Support Research Support	Arthrex, Inc. Arthrex, Inc. MYOS Corporation Game Ready VuMedi Arthrex, Inc. Össur Siemens Smith & Nephew		
		Craig D. Morgan MD UnPaid Consultant Stock	Arthrex, Inc. Arthrex, Inc.
		Brandon Morris MD	Nothing to Disclose
		Melanie A. Morscher PT	Nothing to Disclose
		Nicole Mueske	Nothing to Disclose
		Michael John Mullaney DPT	Nothing to Disclose
		Michael Lucas Murnaghan MD Board / Committee	Pediatric Orthopaedic Society of North America

FACULTY / ROLE	COMPANY
Volker Musahl MD Editorial / Governing Board	Knee Surgery, Sports Traumatology, Arthroscopy
Gregory D. Myer PhD, CSCS	Nothing to Disclose
Junsuke Nakase MD, PhD	Nothing to Disclose
Adam Y. Nasreddine MA	Nothing to Disclose
Nima Nassiri BS	Nothing to Disclose
Danyal H. Nawabi MD	Nothing to Disclose
Bradley J. Nelson MD Research Support Research Support Research Support Research Support Board / Committee Board / Committee	DePuy Synthes Mitek Sports Medicine Histogenics Omeros Zimmer AAOS American Orthopaedic Society for Sports Medicine
Joshua D. Nelson MD, PharmD	Nothing to Disclose
Susan Elizabeth Nelson MD, MPH	Nothing to Disclose
Justin T. Newman MD	Nothing to Disclose
Tracy Y. Ng DO	Nothing to Disclose
Joseph Nguyen MPH	Nothing to Disclose
Shane Jay Nho MD, MS Paid Consultant Paid Consultant Research Support Research Support Research Support Research Support Research Support Research Support Research Support Research Support Research Support Editorial / Governing Board	Össur Stryker Allosource Arthrex, Inc. Athletico DJO Global, Inc. Linvatec Miomed Smith & Nephew Stryker Journal of Bone and Joint Surgery
Gregg T. Nicandri MD Speakers Bureau / Paid Paid Consultant	Arthrex, Inc. Arthrex, Inc.
Stephen J. Nicholas MD Royalties Paid Consultant	Arthrex, Inc. Arthrex, Inc.
Gregory P. Nicholson MD Royalties Paid Consultant Stock Research Support Publishing Relationship	Innomed Tornier Zimmer Tornier SLACK Incorporated
Carl W. Nissen MD Board / Committee	American Orthopaedic Society for Sports Medicine
Thomas J. Noonan MD Editorial / Governing Board	Journal of Shoulder and Elbow Surgery
Gordon W. Nuber MD Stock Stock Research Support	Johnson & Johnson Stryker Smith & Nephew

FACULTY / ROLE	COMPANY
Clayton William Nuelle MD Paid Employee	Brother is an employee of Apollo Surgical Group, a medical implant distributor based out of St. Louis, MO
Julia Nuelle MD	Nothing to Disclose
Hitoaki Numata MD	Nothing to Disclose
Samuel K. Nwosu	Nothing to Disclose
Darin D. Nye MD Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support	Arthrex, Inc. Biomet Sports Medicine Smith & Nephew Orthopaedics
Stephen J. O'Brien MD, MBA	Nothing to Disclose
Gabriella E. Ode MD	Nothing to Disclose
Luke S. Oh MD Editorial / Governing Board Board / Committee	Decision Support in Medicine AAOS
Stephanie Oldfield	Nothing to Disclose
Joshua Olsen	Nothing to Disclose
Takeshi Oshima	Nothing to Disclose
Roger V. Ostrander MD Speakers Bureau / Paid Paid Consultant Paid Consultant Research Support Research Support Editorial / Governing Board Board / Committee	I-Flow Breg Mitek Arthrex, Inc. Breg American Journal of Sports Medicine American Orthopaedic Society for Sports Medicine
Kenichi Otoshi MD, PhD	Nothing to Disclose
Brett D. Owens MD Paid Consultant Paid Consultant Publishing Relationship Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board Board / Committee	Mitek Musculoskeletal Transplant Foundation SLACK Incorporated American Journal of Sports Medicine Orthopedics Orthopedics Today American Orthopaedic Society for Sports Medicine
Christian Owesen MD	Nothing to Disclose
James Lee Pace MD Paid Consultant Paid Consultant Board / Committee America	Arthrex, Inc. Ceterix, Inc. Pediatric Orthopaedic Society of North America
James M. Paci MD Speakers Bureau / Paid Paid Consultant Stock Stock Research Support	Arthrex, Inc. Arthrex, Inc. Core Sports / Motus Global OrthoCor, Inc. Arthrex, Inc.
Michael J. Pagnani MD Paid Consultant Stock Stock	ConMed Johnson & Johnson Pfizer
George A. Paletta Jr., MD Speakers Bureau / Paid	Arthrex

Faculty/Planner Disclosure Declaration

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Ting Pan MPH	Nothing to Disclose	Paid Consultant	NextStep Arthropedix
Caroline Park BA	Nothing to Disclose	Paid Consultant	Emovi
Benjamin Parker	Nothing to Disclose	Paid Consultant	Acuitive Technologies
Richard D. Parker MD		Stock	Soft Tissue Regeneration, Inc.
Royalties	Zimmer ZUK PSI Unicompartmental Knee	Stock	Halifax Biomedical, Inc.
Speakers Bureau / Paid	Zimmer		
Paid Consultant	Zimmer	Joshua Polster	
Other Financial / Material Support	Zimmer	Stock	Johnson & Johnson
Board / Committee	NBA Team Physician	Hollis G. Potter MD	
Ronak M. Patel MD	Nothing to Disclose	Paid Consultant	Arthrex, Inc.
Mark V. Paterno PhD, PT, ATC		Paid Consultant	Tissue Regeneration, Inc.
Board / Committee	PRISM (Pediatric and Adolescent Research in Sports Medicine) Society	Research Support	GE Healthcare
Karen Y. Peck MEd, ATC	Nothing to Disclose	Editorial / Governing Board	Journal of Orthopaedic Research
Angela Pedroza	Nothing to Disclose	Editorial / Governing Board	Osteoarthritis and Cartilage
Richard Dennis Peindl PhD		Kristy Pottkotter PT, SCS	Nothing to Disclose
Editorial / Governing Board	Journal of Orthopaedic Trauma	Angela P. Presson PhD, MS	Nothing to Disclose
Andrew T. Pennock MD	Nothing to Disclose	Matthew T. Provencher MD	
Matthew D. Pepe MD		Paid Consultant	Arthrex, Inc.
Paid Consultant	Stryker	Paid Consultant	Joint Restoration Foundation
Alexander Bradley Peterson	Nothing to Disclose	Publishing Relationship	Arthroscopy
Maximilian Petri MD		Publishing Relationship	Elsevier
Other Financial / Material Support	Arthrex, Inc.	Editorial / Governing Board	Arthroscopy
Frank A. Petrigliano MD		Editorial / Governing Board	Knee
Speakers Bureau / Paid	Biomet	Editorial / Governing Board	Orthopedics
Ferris Pfeiffer PhD	Nothing to Disclose	Editorial / Governing Board	SLACK Incorporated
Marc J. Philippon MD		Board / Committee	AAOS
Royalties	Smith & Nephew	Board / Committee	American Orthopaedic Society for Sports Medicine
Royalties	Bledsoe		American Shoulder and Elbow Surgeons
Royalties	Donjoy		Arthroscopy Association of North America
Royalties	Arthrosurface		International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine
Royalties	ConMed		San Diego Shoulder Institute
Paid Consultant	Smith & Nephew		Society of Military Orthopaedic Surgeons
Paid Consultant	MIS		
Stock	Arthrosurface, Hipco	James C. Puffer MD	Nothing to Disclose
Stock	MIS	Muhammad Farooq Rai PhD	Nothing to Disclose
Research Support	Össur	Anil S. Ranawat MD	
Research Support	Siemens	Royalties	Conformis
Research Support	Smith & Nephew	Speakers Bureau / Paid	ConMed
Research Support	Vail Valley Medical Center	Speakers Bureau / Paid	DePuy Synthes Mitek Sports Medicine
Other Financial / Material Support	Smith & Nephew	Speakers Bureau / Paid	Nova Surgical
Other Financial / Material Support	Vail Valley Surgical Center	Speakers Bureau / Paid	Stryker MAKO
Publishing Relationship	SLACK Incorporated	Paid Consultant	ConMed
Publishing Relationship	Elsevier	Paid Consultant	DePuy Synthes Mitek Sports Medicine
Board / Committee	ASIAM	Paid Consultant	Nova Surgical
Board / Committee	International Society for Hip Arthroscopy	Paid Consultant	Stryker MAKO
Board / Committee	AOSSM	Stock	ConforMIS Inc.
Board / Committee	Steadman Philippon Research Institute	Publishing Relationship	Saunders / Mosby-Elsevier
Board / Committee	Vail Health Services	Publishing Relationship	Springer
Board / Committee	Vail Valley Surgery Center Governing Council	Editorial / Governing Board	Current Trends in Musculoskeletal Medicine
Dana P. Piasecki MD	Nothing to Disclose		EOA
Benjamin Plotkin	Nothing to Disclose	Michael A. Rauh MD	
Robert Poggie PhD		Speakers Bureau / Paid	Nuance
Paid Consultant	Soft Tissue Regeenration	Editorial / Governing Board	American Journal of Sports Medicine
Paid Consultant	Halifax Biomedical	Editorial / Governing Board	Clinical Orthopaedics and Related Research
			Orthopedics
			AAOS
			New York State Society of Orthopaedic Surgeons

FACULTY / ROLE	COMPANY
Bowman Raymond	Nothing to Disclose
Martin Brett Raynor MD Stock	Merck
Brian J. Rebolledo MD	Nothing to Disclose
Lauren H. Redler MD	Nothing to Disclose
John M. Redmond MD	Nothing to Disclose
Bruce Reider MD Stock Stock Publishing Relationship Editorial/ Governing Board Editorial/ Governing Board Editorial/ Governing Board	Johnson & Johnson Merck Elsevier American Journal of Sports Medicine Sports Health Orthopaedic Journal of Sports Medicine
Emily Reinke PhD	Nothing to Disclose
Timothy Reish Speakers Bureau/ Paid Speakers Bureau/ Paid Speakers Bureau/ Paid Speakers Bureau/ Paid Paid Consultant Paid Consultant Paid Consultant Paid Consultant Research Support Research Support	Arthrocare Arthrex, Inc. Regeneration Technologies, Inc. Tornier Arthrocare Regeneration Technologies, Inc. Tornier ConMed Pacira Tornier
Jason Rhodes MD Paid Consultant Board/ Committee	Orthopediatrics Pediatric Orthopaedic Society of North America
Jonathan C. Riboh MD	Nothing to Disclose
May Arna Risberg PhD Editorial/ Governing Board Therapy	Journal of Orthopaedic and Sports Physical Therapy
Christopher Robbins	Nothing to Disclose
Richard Judd Robins MD	Nothing to Disclose
Scott A. Rodeo MD Paid Consultant Paid Consultant Paid Consultant Stock	Cytori Pluristem Rotation Medical CAYENNE
Brandon Roller MD, PhD Paid Employee	Arthrex, Inc.
Anthony A. Romeo MD Royalties Speakers Bureau/ Paid Paid Consultant Research Support Research Support Research Support Research Support Other Financial/ Material Support Publishing Relationship Publishing Relationship Editorial/ Governing Board Editorial/ Governing Board Editorial/ Governing Board	Arthrex, Inc. Arthrex, Inc. Arthrex, Inc. Arthrex, Inc. DJO Surgical Smith & Nephew Össur Arthrex, Inc. Saunders/ Mosby-Elsevier SLACK Incorporated Orthopedics Orthopedics Today SAGE

FACULTY / ROLE	COMPANY
Editorial/ Governing Board Editorial/ Governing Board	SLACK Incorporated Wolters Kluwer Health – Lippincott Williams & Wilkins
Board/ Committee	American Orthopaedic Society for Sports Medicine
Board/ Committee	American Shoulder and Elbow Surgeons
Joanna Helena Roocroft MA	Nothing to Disclose
Sam Rosas BS	Nothing to Disclose
James R. Ross MD	Nothing to Disclose
Jan Harald Røtterud MD Editorial/ Governing Board	Orthopaedic Journal of Sports Medicine
Douglas J. Rowles MD	Nothing to Disclose
Joshua Rozell	Nothing to Disclose
John Paul H. Rue MD Editorial/ Governing Board Board/ Committee	Knee Society of Military Orthopaedic Surgeons
Caitlin Marie Rugg	Nothing to Disclose
Vani Sabesan	Nothing to Disclose
Marc R. Safran MD Royalties Royalties Royalties Speakers Bureau/ Paid Paid Consultant Paid Consultant UnPaid Consultant UnPaid Consultant UnPaid Consultant UnPaid Consultant UnPaid Consultant Stock Stock Stock Stock Research Support Research Support Publishing Relationship	Arthrocare DJO Global, Inc. Stryker Smith & Nephew ConMed Cool Systems, Inc. Cool Systems Cradle Medical, Inc. Ferring Pharmaceuticals, Inc. Biomimica Eleven Blade Solutions Cool Systems, Inc. Cradle Medical, Inc. Biomimica Eleven Blade Solutions Ferring Pharmaceuticals Smith & Nephew Wolters Kluwer Health – Lippincott Williams & Wilkins Saunders Mosby-Elsevier American Journal of Sports Medicine American Orthopaedic Society for Sports Medicine International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine International Society for Hip Arthroscopy
Publishing Relationship Publishing Relationship Editorial/ Governing Board Board/ Committee	
Board/ Committee	
Board/ Committee	
Michael Jonathan Salata MD Speakers Bureau/ Paid Paid Consultant Research Support Research Support Research Support Research Support	Smith & Nephew Orthopaedics Smith & Nephew Orthopaedics Smith & Nephew Endoscopy Smith & Nephew Orthopaedics Storz Medical AG Stryker Endoscopy

Faculty/Planner Disclosure Declaration

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Matthew Saltzman MD Royalties Paid Consultant Paid Consultant	Tornier Medacta Tornier	Other Financial/Material Support Board/Committee	Ottobock American Shoulder and Elbow Surgeons
Paul M. Saluan MD Speakers Bureau/Paid UnPaid Consultant UnPaid Consultant Stock Research Support	Arthrex, Inc. Middle Path Innovations, LLC Triatrix, LLC Middle Path Innovations, LLC Zimmer	Laura Schmitt PhD, PT	Nothing to Disclose
John P. Salvo MD Board/Committee	Arthroscopy Association of North America	Greg Schroeder MD	Nothing to Disclose
Eric M. Samuelson MD	Nothing to Disclose	John Paul Schroeppel MD	Nothing to Disclose
Kathryn M. Samuelson BS	Nothing to Disclose	Sandra J. Shultz PhD Publishing Relationship Editorial/Governing Board Editorial/Governing Board Editorial/Governing Board	Human Kinetics Journal of Athletic Training Journal of Sports Health Medicine and Science in Sport and Exercise
Linda Sandell MD Royalties Stock Research Support Publishing Relationship Editorial/Governing Board Editorial/Governing Board Board/Committee	Merck Isto Technologies Fidia Pharmaceuticals Journal of Orthopaedic Research Journal of Orthopaedic Research Osteoarthritis and Cartilage OsteoArthritis Research Society International	Aaron R. Schwartz MD	Nothing to Disclose
Adriana Saroki	Nothing to Disclose	Mark L. Schweppe MD	Nothing to Disclose
James Satalich	Nothing to Disclose	Leanne L. Seeger MD	Nothing to Disclose
Felix H. Savoie III, MD Speakers Bureau/Paid Speakers Bureau/Paid UnPaid Consultant UnPaid Consultant UnPaid Consultant UnPaid Consultant UnPaid Consultant Research Support Editorial/Governing Board Editorial/Governing Board Board/Committee Board/Committee	Mitek Smith & Nephew Biomet Exactech, Inc. Mitek Rotation Medical Smith & Nephew Mitek Arthroscopy Journal of Wrist Surgery American Shoulder and Elbow Surgeons Arthroscopy Association of North America	Brian J. Sennett MD	Nothing to Disclose
Erica Scaramuzza	Nothing to Disclose	James S. Shaha MD	Nothing to Disclose
Rachel Schachar MD	Nothing to Disclose	Steven H. Shaha PhD, DBA	Nothing to Disclose
William W. Schairer MD	Nothing to Disclose	Ellen Shanley PhD	Nothing to Disclose
Anthony A. Schepsis MD	Nothing to Disclose	Kevin G. Shea MD Board/Committee Board/Committee	AAOS American Orthopaedic Society for Sports Medicine North Pacific Orthopedic Society Pediatric Orthopaedic Society of North America
Mark S. Schickendantz MD Paid Consultant Editorial/Governing Board Board/Committee Board/Committee	Arthrex, Inc. The Physician and Sports Medicine American Orthopaedic Society for Sports Medicine Education and Industry Relations Committee	K. Donald Shelbourne MD UnPaid Consultant Editorial/Governing Board Editorial/Governing Board Board/Committee	Kneebourne Therapeutics, Inc. American Journal of Sports Medicine Journal of Knee Surgery American Orthopaedic Society for Sports Medicine
Theodore F. Schlegel MD Royalties Paid Consultant Paid Consultant Stock Stock Stock Stock Other Financial/Material Support	DJO Global, Inc. Arthrocare Rotation Medical Avenu Cayenne Medical PrivIT DePuy Synthes Mitek Sports Medicine	Orrin H. Sherman MD	Nothing to Disclose
		Seth Lawrence Sherman MD Paid Consultant Paid Consultant Paid Consultant Research Support Editorial/Governing Board Editorial/Governing Board Board/Committee Board/Committee	Arthrex, Inc. Neotis Regeneration Technologies, Inc. Arthrex, Inc. American Journal of Orthopedics Arthroscopy ACL Study Group American Orthopaedic Society for Sports Medicine Arthroscopy Association of North America
		Elizabeth Shewman MS	Nothing to Disclose
		Jason J. Shin MD	Nothing to Disclose
		Yong-Woon Shin MD	Nothing to Disclose
		Mary E. Shorey	Nothing to Disclose
		Beth E. Shubin Stein MD Speakers Bureau/Paid Paid Consultant Research Support Other Financial/Material Support	Arthrex, Inc. Arthrex, Inc. Arthrex, Inc. Arthrex, Inc.
		Holly J. Silvers MPT Editorial/Governing Board	British Journal of Sports Medicine

FACULTY / ROLE	COMPANY
David C. Sing BS	Nothing to Disclose
Brian Singh	Nothing to Disclose
Einar Sivertsen MD, PhD	Nothing to Disclose
Jesse Alan Slade Shantz MD, MBA Research Support	Synthes
Brian Sleasman	Nothing to Disclose
Matthew V. Smith MD Paid Consultant Editorial/ Governing Board	ISTO Technologies, Inc. Orthopaedic Journal of Sports Medicine
Lynn Snyder-Mackler PhD Editorial/ Governing Board	Journal of Orthopaedic and Sports Physical Therapy Journal of Orthopaedic Research
Sonal Sodha MEng	Nothing to Disclose
Lonnie Soloff ATC	Nothing to Disclose
Sang Hoon Song BS	Nothing to Disclose
Paul L. Sousa MBA	Nothing to Disclose
Jeffrey T. Spang MD	Nothing to Disclose
Kurt P. Spindler MD Paid Consultant Paid Consultant Research Support	Cytoscientific Advisory Board Mitek National Institutes of Health (NIAMS & NICHD) AAOS American Orthopaedic Society for Sports Medicine
Board / Committee Board / Committee	NFL Charities—Safety Panel Orthopaedic Research Society
Christine E. Stake MA Other Financial/ Material Support	American Hip Institute
James P. Stannard MD Paid Consultant Paid Consultant Paid Consultant Paid Consultant Research Support Research Support Research Support Publishing Relationship Editorial/ Governing Board Board / Committee Board / Committee Board / Committee	DePuy Synthes Mitek Sports Medicine Regeneration Technologies, Inc. Smith & Nephew Synthes Arthrex, Inc. DePuy Synthes Mitek Sports Medicine Synthes Thieme Journal of Knee Surgery AO Board of Trustees AO Research Review Commission Orthopaedic Trauma Association
Robert A. Stanton MD UnPaid Consultant Stock Editorial/ Governing Board Editorial/ Governing Board Board / Committee Board / Committee	Soft Tissue Regeneration Soft Tissue Regeneration American Journal of Sports Medicine, Sports Health Orthopaedic Journal of Sports Medicine Sage Publishing AAOS American Orthopaedic Society for Sports Medicine
Samuel Robert Holtz Steiner MD	Nothing to Disclose
Aaron M. Stoker PhD	Nothing to Disclose

FACULTY / ROLE	COMPANY
Rebecca M. Stone MS, ATC	Nothing to Disclose
Gary Stover	Nothing to Disclose
Eric Jason Strauss MD Paid Consultant Paid Consultant Paid Consultant Research Support Research Support Publishing Relationship Editorial/ Governing Board	Genzyme Joint Restoration Foundation Mitek Omeros Inc. Dynamilis Inc. Jaypee Publishing Cartilage, Bulletin of the Hospital For Joint Diseases
Michael J. Stuart MD Royalties Paid Consultant Research Support Editorial/ Governing Board	Arthrex, Inc. Arthrex, Inc. Stryker American Journal of Sports Medicine
Carlos Suarez-Ahedo MD	Nothing to Disclose
Naveen Subhas MD Research Support	Siemens Healthcare Solutions, Inc.
Robert T. Sullivan MD Board / Committee	Society of Military Orthopaedic Surgeons
Pamela Sulzicki MS, ATC	Nothing to Disclose
Ben Summerhays DPM	Nothing to Disclose
Steven J. Svoboda MD Board / Committee Board / Committee Board / Committee	AAOS American Orthopaedic Society for Sports Medicine American Board of Orthopaedic Surgery, Inc.
Eric F. Swart	Nothing to Disclose
Yasushi Takata MD	Nothing to Disclose
Miho Jean Tanaka MD	Nothing to Disclose
John Anthony Tanksley MD	Nothing to Disclose
Scott Tashman PhD Research Support Editorial/ Governing Board	Synthes Journal of Biomechanics
Dean C. Taylor MD Paid Consultant Research Support Other Financial/ Material Support Other Financial/ Material Support Other Financial/ Material Support Other Financial/ Material Support Other Financial/ Material Support Other Financial/ Material Support Other Financial/ Material Support Editorial/ Governing Board Board / Committee Board / Committee	Mitek Histogenics Arthrex, Inc. Arthrocare Breg DJO Global, Inc. Mitek OMEGA Smith & Nephew AOSSM Medical Publishing Board American Orthopaedic Society for Sports Medicine International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine Magellan Orthopaedic Society
Samuel A. Taylor MD	Nothing to Disclose

Faculty/Planner Disclosure Declaration

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
John S. Theodoropoulos MD, FRCS		Jeremy Vail MPT, OCS, MTC, ATC	Nothing to Disclose
Speakers Bureau / Paid Research Support	Smith & Nephew Smith & Nephew	David Van Dyke MS, SCCC, CS	Nothing to Disclose
Charles A. Thigpen PT, PhD, ATC		Susan Vanston	Nothing to Disclose
Research Support Research Support Research Support Research Support	Arthrex, Inc. Neurotech-Kneehab Sonosite Synthes	Christian Veillette	
Eric Thorhauer BS	Nothing to Disclose	Speakers Bureau / Paid Speakers Bureau / Paid Paid Consultant Paid Consultant Research Support Research Support	Smith & Nephew Biomet DePuy Synthes Mitek Sports Medicine Mitek Biomet Smith & Nephew
Annemarie K. Tilton BS	Nothing to Disclose	Other Financial / Material Support Other Financial / Material Support Publishing Relationship	Smith & Nephew Biomet Clinical Orthopaedics and Related Research OrthopaedicsOne Clinical Orthopaedics and Related Research Orthogate Orthopaedic Web Links OrthopaedicsOne Association of Bone and Joint Surgeons Canadian Orthopaedic Association Internet Society of Orthopaedic Surgery and Trauma CODMAN Group
Ajibewa Tiwaloluwa	Nothing to Disclose		
Fotios P. Tjoumakaris MD	Nothing to Disclose	Publishing Relationship Editorial / Governing Board	
Edward Bruce Toby MD	Journal of Hand Surgery—American	Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board Board / Committee Board / Committee Board / Committee	
John M. Tokish MD		S. Pavan Vemula MA	Nothing to Disclose
Paid Consultant Paid Consultant Paid Consultant Editorial / Governing Board Editorial / Governing Board Board / Committee	Arthrex, Inc. DePuy Synthes Mitek Sports Medicine Mitek Journal of Shoulder and Elbow Surgery Orthopedics Today Arthroscopy Association of North America	Nikhil N. Verma MD	
Alison P. Toth MD		Royalties Paid Consultant Paid Consultant Stock Stock Stock Research Support Research Support Research Support Research Support Research Support Research Support Publishing Relationship Publishing Relationship Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board Board / Committee	Smith & Nephew Minivasive Smith & Nephew Cymedica Minivasive Omeros Arthrex, Inc. Smith & Nephew Athletico ConMed Miomed Mitek Arthrosurface DJO Global, Inc. Vindico Medical-Orthopedics Hyperguide Arthroscopy Journal of Knee Surgery Arthroscopy SLACK Incorporated Arthroscopy Association Learning Center Committee
Speakers Bureau / Paid Speakers Bureau / Paid Paid Consultant Research Support Research Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support	Tornier Vericel Corp Tornier Active Implants Tornier Arthrex, Inc. Breg Mitek Smith & Nephew Stryker	Armando F. Vidal MD	
Gehron Treme MD	American Orthopaedic Society for Sports Medicine	Speakers Bureau / Paid Speakers Bureau / Paid Paid Consultant Paid Consultant Other Financial / Material Support Other Financial / Material Support Board / Committee	Ceterix Stryker Arthrocare Stryker Stryker Smith & Nephew American Orthopaedic Society for Sports Medicine
Hiroiyuki Tsuchiya MD, PhD	Nothing to Disclose	Diego Villacis MD	Nothing to Disclose
Bradford S. Tucker MD			
Speakers Bureau / Paid Paid Consultant UnPaid Consultant Stock Research Support Research Support Research Support	DePuy Synthes Mitek Sports Medicine DePuy Synthes Mitek Sports Medicine Mitek, Knee Creations Johnson & Johnson DePuy Synthes Mitek Sports Medicine Johnson & Johnson Zimmer		
Christopher J. Tucker MD	American Orthopaedic Society for Sports Medicine		
Scott A. Tucker MD	Nothing to Disclose		
Travis L. Turnbull PhD	Nothing to Disclose		
Timothy F. Tyler MS, PT, ATC	Nothing to Disclose		
Tyler J. Uppstrom BA	Nothing to Disclose		
Ekaterina Y. Urch MD	Nothing to Disclose		

[illegible]

Faculty/Planner Disclosure Declaration

FACULTY / ROLE	COMPANY	FACULTY / ROLE	COMPANY
Michelle Lora Wolcott MD Board / Committee	Ruth Jackson Orthopaedic Society	Jerry G. Xing MD	Nothing to Disclose
Brian R. Wolf MD, MS Paid Consultant Research Support Other Financial / Material Support Editorial / Governing Board Board / Committee Board / Committee	ConMed OREF Arthrex, Inc. Orthopaedic Journal of Sports Medicine AAOS American Orthopaedic Society for Sports Medicine Mid America Orthopaedic Association	Yingying Xu	Nothing to Disclose
Samuel Clayton Wordeman BS	Nothing to Disclose	Jie Yang PhD	Nothing to Disclose
Tishya Wren PhD Stock Editorial / Governing Board Board / Committee	Arthrocare Gait and Posture Gait and Clinical Movement Analysis Society	Justin Shu Yang MD	Nothing to Disclose
Rick W. Wright MD Research Support Publishing Relationship Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board Board / Committee Board / Committee Board / Committee	National Institutes of Health (NIAMS & NICHD) Wolters Kluwer Health – Lippincott Williams & Wilkins Clinical Orthopaedics and Related Research Journal of Bone and Joint Surgery – American Journal of the American Academy of Orthopaedic Surgeons The Journal of Knee Surgery American Board of Orthopaedic Surgery, Inc. American Orthopaedic Association American Orthopaedic Society for Sports Medicine	Adam Blair Yanke MD Research Support Research Support Anthony Yi	Arthrex, Inc. NuTech Nothing to Disclose
Thomas H. Wuerz MD	Nothing to Disclose	Zhang Yingying MS	Nothing to Disclose
Douglas J. Wyland MD Research Support Research Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support Other Financial / Material Support	DePuy Synthes Mitek Sports Medicine Zimmer Supporters of the Hawkins Foundation: Greenville Health System DJO Surgical Arthrosurface Smith & Nephew Nuerotech Pacira Arthrocare Breg Arthrex	Stefano Zaffagnini MD Speakers Bureau / Paid Speakers Bureau / Paid Other Financial / Material Support Publishing Relationship Editorial / Governing Board Editorial / Governing Board Editorial / Governing Board Board / Committee Board / Committee	DePuy Synthes Mitek Sports Medicine Smith & Nephew I + srl. Springer Knee Surgery, Sports Traumatology, Arthroscopy Operative Techniques in Orthopaedics Musculoskeletal Surgery European Society of Sports Traumatology Knee Surgery and Arthroscopy (ESSKA) International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine (ISAKOS)
		Jake Peter Zarah MD	Nothing to Disclose
		Justin Angelo Zenner DO	Nothing to Disclose
		Alan L. Zhang MD	Nothing to Disclose
		Caiyan Zhang MS	Nothing to Disclose
		Joanne Yula Zhang BA	Nothing to Disclose
		Xudong Zhang PhD	Nothing to Disclose
		Liying Zheng PhD	Nothing to Disclose

Join the conversation



The American Orthopaedic
Society for Sports Medicine

Use the hashtag **#AOSSM2015** in your tweets to be part of the AOSSM Annual Meeting conversation, and check out the tweet board located near registration.



Find us on Facebook

- AOSSM
- AmericanJournalOfSportsMedicine
- SportsHealthJournal
- STOPSportsInjuries
- TheOJSM



Follow us on Twitter

- @AOSSM_SportsMed
- @SportsSafety
- @Sports_Health
- @AJSM_SportsMed
- @OJSM_SportsMed



Use your smart phone to
scan the code and join us!

AOSSM

Annual Meeting **2015**

Hilton Orlando Bonnet Creek • Orlando, FL
July 9–12, 2015

AOSSM proudly thanks and recognizes the following individuals for their 2014 donation to AOSSM—either directly or designated through OREF—in support of our research and education initiatives.

Kirk J. Adelen MD
Mark A. Adams MD
Christopher S. Ahmad MD
Answorth A. Allen MD
Christina R. Allen MD
William C. Allen MD
Joshua M. Alpert MD
Annunziato Amendola MD
Allen Anderson MD
John A. Anderson MD
James Andrews MD
Damian M. Andrisani MD
Robert Arciero MD
Bernard R. Bach MD
Geoffrey S. Baer MD
Bruce Baker MD
Champ L. Baker MD
Robert A. Bane MD
Craig H. Bennett MD
John Bergfeld MD
Kevin Black MD
Joel L. Boyd MD
Robert L. Brand MD
Robert D. Bronstein MD
Robert Brophy MD
Howard Brown MD
Jon E. Browne MD
Peter G. Buck MD
Charles A. Bush-Joseph MD
John P. Cannizzaro MD
Seth Cheatham MD
Patrick E. Clare MD
Nathaniel Cohen MD
Brian J. Cole MD
Frank A. Cordasco MD
Ralph J. Curtis Jr., MD
Andrew Cosgarea MD
Diane L. Dahm MD
Joseph P. DeAngelis MD
Juliet DeCampos MD

David T. Dellaero MD
Peter F. DeLuca MD
Jonathan Dickens MD
Carl A. DiRaimondo MD
Christopher C. Dodson MD
Bradley J. Dunlap MD
Paul Fadale MD
Jack Farr II, MD
Johhn A. Feagin MD
Brian T. Feeley MD
Gary B. Fetzer MD
David A. Fischer MD
Brian Forsythe MD
Michael T. Freehill MD
Kevin B. Freedman MD
Steven Frey MD
Freddie H. Fu MD
Balazs Galdi MD
Charles E. Giangarra MD
Brian D. Giordano MD
Ronald E. Glousman MD
John P. Goldblatt MD
Benjamin K. Graf MD
Letha Y. Griffin MD
Jo A. Hannafin MD, PhD
Christopher D. Harner MD
Richard J. Hawkins MD
R. Frank Henn MD
Elliott B. Hershman MD
Stephen W. Houseworth MD
Michael Hulstyn MD
Stephen A. Hunt MD
Stephen S. Hurst MD
Arlon H. Jahnke Jr., MD
Robert J. Johnson MD
Victor R. Kalman MD
James S. Keene MD
Kristofer A. Kimber MD
Patricia A. Kolowich MD
Robert E. Leach MD

Thomas S. Lynch MD
C. Benjamin Ma MD
Jeffrey A. Macalena MD
Robert P. Mack MD
Roy A. Majors MD
Neil J. Maki MD
Michael D. Maloney MD
Frank P. Mannarino MD
Alan W. Markman MD
Robert G. Marx MD
Richard J. Mason MD
L. Jay Matchett MD
Michael J. Maynard MD
Lucas S. McDonald MD
Vincent McInerney MD
David S. Menche MD
Scott Meyer MD
Lyle J. Micheli MD
David Moore MD
Martha M. Murray MD
Mark C. Mysnyk MD
Shane J. Nho MD
Claude E. Nichols III, MD
Robert Nicoletta MD
Barton Nisonson MD
Carl Nissen MD
Gordon Nuber MD
John F. Orwin MD
Brett Owens MD
Richard D. Parker MD
Matthew D. Pepe MD
Charles A. Popkin MD
Derek B. Purcell MD
Michael B. Purnell MD
Arun J. Ramappa MD
Anil Ranawat MD
John R. Raskind MD
Scott A. Rodeo MD
Seth Rosenzweig MD
D. Daniel Rotenberg MD

Lucien M. Rouse Jr., MD
John Paul H. Rue MD
John B. Ryan MD
Richard Ryu MD
Felix H. Savoie MD
Tamara A. Scerpella MD
Matthew G. Scuderi MD
Wayne J. Sebastianelli MD
Robert M. Shalvoy MD
Seth L. Sherman MD
Clarence Shields MD
Beth E. Shubin-Stein MD
Paul J. Siatczynski MD
Kenneth M. Singer MD
Jeffery J. Soldatis MD
Jeffrey Spang MD
Kurt P. Spindler MD
Robert A. Stanton MD
John A. Steubs MD
Timothy N. Taft MD
Suzanne M. Tanner MD
Stephen G. Taylor MD
John E. Turba MD
Carol C. Teitz MD
Vincent M. Tedone MD
James E. Tibone MD
Fotios P. Tjoumakaris MD
Bradford S. Tucke MD
Nikhil N. Verma MD
Charles N. Versteeg Jr., MD
Peter S. Vezeridis MD
Jon B. Wang MD
Daniel C. Wascher MD
Thomas L. Wickiewicz MD
Rick Wilkerson MD
Rick Wright MD
Adam B. Yanke MD
George J. Zambetti Jr., MD
Wayne & Janet Sales Family Foundation

Toronto Marriott Downtown,
Eaton Centre Hotel
Grand Ballroom Foyer
Toronto, ON, Canada
August 28 - 30, 2015

KEEP YOUR EDGE

Hockey Sports Medicine 2015



Register
today at
www.sportsmed.org!

Score one for your team – learn from world-renowned hockey sports medicine specialists treating athletes at all levels.

Course Chairs Don Chow, MD, Gary Dorshimer, MD, FACP and Michael Stuart, MD lead an experienced, multidisciplinary faculty that will expose you to choice strategies to prevent, treat, and rehabilitate hockey injuries. By the end of the course, you should be able to:

- Develop evaluation and management plans through case-based discussions
- Learn about surgical and non-surgical treatment methods
- Acquire updates on concussion screening, protective equipment, rule changes, nutrition needs and supplements

Provided by:



The American Orthopaedic
Society for Sports Medicine



AOSSM Upcoming Annual Meetings



AOSSM

Annual Meeting **2016**

July 7–10, 2016

Colorado Springs, CO



AOSSM

Annual Meeting **2017**

July 20–23, 2017

Toronto, ON, Canada



AOSSM

Annual Meeting **2018**

July 5–8, 2018

San Diego, CA

Other Upcoming Meetings

AOSSM / AAOS Orthopaedic Sports Medicine Review Course

August 14–16, 2015

Chicago, IL

Keep Your Edge: Hockey Sports Medicine in 2015

August 28–30, 2015

Toronto, ON, Canada

Consensus and Controversy: Advanced Techniques for the Athlete's Shoulder

October 23–25, 2015

Orthopaedic Learning Center,
Rosemont, IL

Advanced Team Physician Course

December 10–13, 2015

Austin, TX

Current Treatment of the Athlete's Knee: Innovative Surgical Solutions for Complex Problems

January 22–24, 2016

Orthopaedic Learning Center,
Rosemont, IL

NFL and Sports Medicine

May 5–7, 2016

Denver, CO

AOSSM Abstract and Instructional Course Proposal Submissions

Abstract Submission

Opens September 2, 2015 and closes November 3, 2015 (Noon CST)

Instructional Course Proposal Submissions

Opens June 1, 2015 and closes August 28, 2015 (Noon CST)

Visit www.sportsmed.org for complete details.

Abstracts and IC proposals only accepted via the website.

AOSSM

Annual Meeting **2016**

The Broadmoor • Colorado Springs, CO
July 7–10, 2016



**Reach
the Peak**
of Orthopaedic Sports
Medicine through
Research and
Education

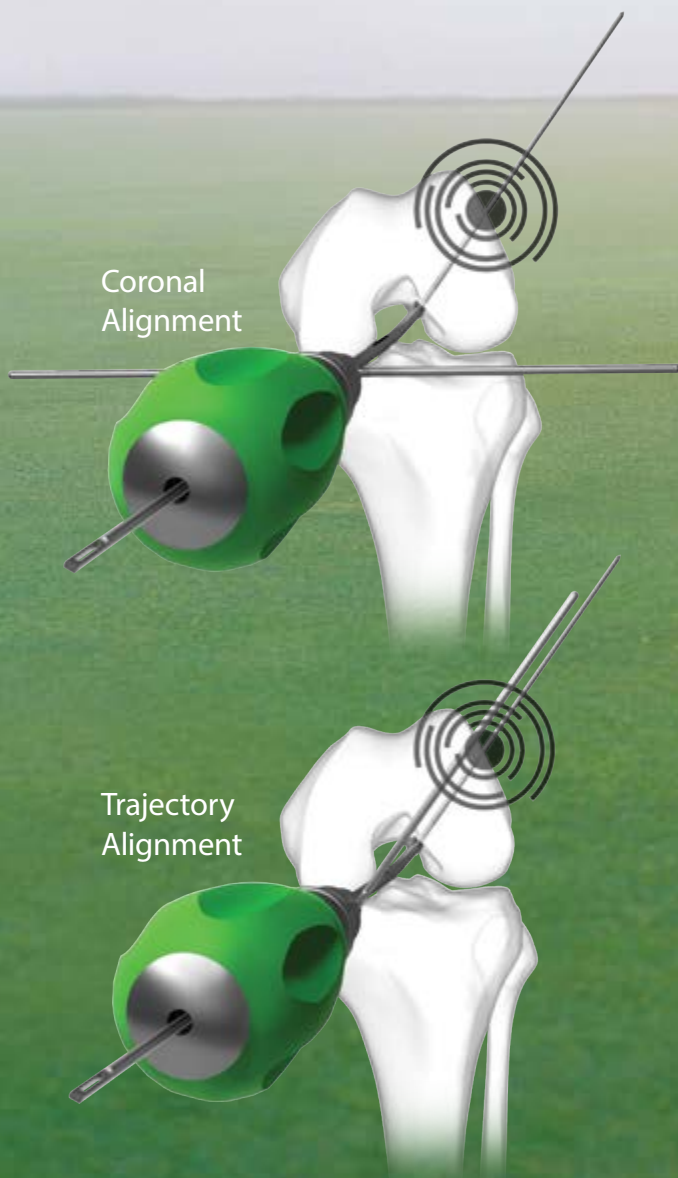


The American Orthopaedic
Society for Sports Medicine

www.sportsmed.org

Eliminate the Guesswork

OF TUNNEL PLACEMENT IN ACL RECONSTRUCTION



Precision Flexible Reaming System

BIOMET
One Surgeon. One Patient.

SPORTS MEDICINE
1.800.348.9500 x1501
biometsportsmedicine.com
©2015 Biomet, Inc. All rights reserved

The surgeon is responsible for determining the appropriate tunnel placement for each individual patient.
©2015 Biomet.® All pictures, products, names and trademarks herein are the property of Biomet, Inc. or its subsidiaries.
For indications, contraindications and risk information, please see the package insert and visit www.biomet.com.