AOSSM gratefully acknowledges the following companies for their generous 2011–2012 support.

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<th>Elite (≥$100,000)</th>
<th>Partner ($25,000–49,999)</th>
<th>Contributor (Up to $24,999)</th>
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<tr>
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<td>ConMed™ *</td>
<td>BioMimetic Therapeutics *</td>
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<td>BIOMET® *</td>
<td>DJO® Global</td>
<td>DePuy Mitek Inc. *</td>
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</table>

* AOSSM gratefully acknowledges support from these companies for the AOSSM 2012 Annual Meeting as of June 8, 2012.
2011–2012
Program Committee
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Beth E. Shubin Stein MD
Marlene DeMaio MD
Neal S. ElAttrache MD

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Executive Editor, Medical Publishing Board of Trustees; Editor-in-Chief, American Journal of Sports Medicine

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Thank you for joining us in Baltimore!

Peter A. Indelicato MD
AOSSM President

Darren L. Johnson MD
AOSSM 2012
Program Chair
## Committee Meetings/Receptions

All locations at the Hilton Baltimore

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>LOCATION</th>
<th>TIME</th>
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<tbody>
<tr>
<td><strong>WEDNESDAY, JULY 11, 2012</strong></td>
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<tr>
<td>Board of Directors</td>
<td>Tubman AB</td>
<td>7:30am – 3:00pm</td>
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<tr>
<td><strong>THURSDAY, JULY 12, 2012</strong></td>
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<tr>
<td>History Committee</td>
<td>Hopkins</td>
<td>6:30 – 8:15am</td>
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<td>Publications Committee</td>
<td>Chase</td>
<td>12:30 – 1:30pm</td>
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<tr>
<td>Public Relations Committee</td>
<td>Stone</td>
<td>1:45 – 2:45pm</td>
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<tr>
<td>Editorial Board</td>
<td>Holiday Ballroom 1–3</td>
<td>3:00 – 5:00pm</td>
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<tr>
<td>STOP Outreach Committee</td>
<td>Douglass</td>
<td>3:00 – 4:00pm</td>
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<td><strong>FRIDAY, JULY 13, 2012</strong></td>
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<td>Sunrise Summit</td>
<td>Brent</td>
<td>7:00 – 8:30am</td>
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<td>Match Committee</td>
<td>Stone</td>
<td>7:00 – 8:00am</td>
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<tr>
<td>Traveling Fellowship Committee</td>
<td>Douglass</td>
<td>7:00 – 8:30am</td>
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<td>Technology Committee</td>
<td>Tilghman</td>
<td>12:00 – 1:00pm</td>
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<td>Council of Delegates</td>
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<td>Fellowship Committee</td>
<td>Hopkins</td>
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<td>Medical Publishing Group Board of Trustees</td>
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<td>STOP Advisory Committee</td>
<td>Tilghmon</td>
<td>2:30 – 4:00pm</td>
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<tr>
<td>Fellowship Directors</td>
<td>Key Ballroom 9–10</td>
<td>3:00 – 4:30pm</td>
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<tr>
<td>Education Committee</td>
<td>Douglass</td>
<td>4:30 – 6:00pm</td>
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<td>Research Committee</td>
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<tr>
<td>Traveling Fellows Reception</td>
<td>Carroll AB</td>
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<td><strong>SATURDAY, JULY 14, 2012</strong></td>
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<tr>
<td>Enduring Education Committee</td>
<td>Brent</td>
<td>7:00 – 8:00am</td>
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<tr>
<td>Health Policy &amp; Ethics Committee</td>
<td>Stone</td>
<td>9:30 – 10:30am</td>
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<td>Curriculum Task Force</td>
<td>Brent</td>
<td>12:00 – 1:00pm</td>
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<td>Education &amp; Industry Relations Committee</td>
<td>Douglass</td>
<td>2:30 – 3:30pm</td>
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<tr>
<td>Program Committee</td>
<td>Stone</td>
<td>4:00 – 5:00pm</td>
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<td><strong>SUNDAY, JULY 15, 2012</strong></td>
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<tr>
<td>Board of Directors</td>
<td>Tubman AB</td>
<td>6:30 – 9:00am</td>
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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 should 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 essential musculoskeletal, medical, and team physician conditions germane to the practice of orthopaedic sports medicine
• Integrate prevention strategies with their health care team(s) to improve musculoskeletal and medical health in their patient population
• Devise a strategy to integrate relevant ABOS Maintenance of Certification procedures
• Synthesize applicable practice management concepts to enhance patient services

Target Audience
This program is directed toward 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.

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. The content of this live activity was based on current issues and hot topics provided by AOSSM membership and leadership.

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.
Afternoon Workshop: Knee Live Surgical Demonstrations

Thursday, July 12, 2012

AOSSM Co-Chairs
Mark D. Miller MD (Charlottesville, VA)
Richard D. Parker MD (Cleveland, OH)

Time: 1:00 – 5:30pm
Location: Ballroom III, Baltimore Convention Center

Program Cost
- $225 Non-member
- $175 Member
- $175 Military
- $150 Allied Health
- $125 Resident/Fellow

To register for this workshop, stop by the AOSSM Registration Desk. A box lunch is included with the registration fee.

Accreditations
AOSSM is accredited by the Accreditations Council for Continuing Medical Education to provide continuing medical education for physicians.

AOSSM is recognized by the Board of Certification, Inc. to offer continuing education for BOC Certified Athletic Trainers.

AMA/PRA Credits
AOSSM designates this live activity for a maximum of 4.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

BOC/CEUs
This program has been approved for a maximum of 4.5 hours of Category A continuing education. BOC Certified Athletic Trainers are responsible for claiming only those hours actually spent participating in the continuing education activity.

BOC Approved Provider Number: P460

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 practicing orthopaedic surgeons, physicians, and allied health professionals in the field of sports medicine or related fields of practice.

Submit your questions for the Live Surgical Demonstration surgeons at q.sportsmed.org or use your QR Reader to access the site.

Program Description

Knee Procedures
- 1:00 – 1:45pm Open Patella: Medial Patellofemoral Repair/Reconstruction
- 1:45 – 2:30pm Tibial Tuberosity Osteotomy: Anteromedialization (AMZ) and Lateral Retinaculum
- 2:30 – 3:15pm ACL Reconstruction: Single and Double Bundle
- 3:15 – 4:00pm PCL Reconstruction: Transtibial and Inlay
- 4:00 – 4:45pm Medial Side Repair/Reconstruction
- 4:45 – 5:30pm Lateral-Sided PLC Reconstruction

Thinking of inviting your fellows, colleagues, or medical team members? Registration will be available on site for this workshop.

Faculty
Jack T. Andrish MD (Cleveland, OH)
Bernard R. Bach Jr, MD (Chicago, IL)
Andrew J. Cosgarea MD (Baltimore, MD)
Freddie H. Fu MD (Pittsburgh, PA)
John P. Fulkerson MD (Farmington, CT)
Christopher D. Harner MD (Pittsburgh, PA)
Robert F. LaPrade MD, PhD (Vail, CO)
Mark D. Miller MD (Charlottesville, VA)
Claude T. Moorman III, MD (Durham, NC)
Richard D. Parker MD (Cleveland, OH)
William R. Post MD (Morgantown, WV)
Robert C. Schenck MD (Albuquerque, NM)

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

Workshop Objectives
Upon completion of this Live Surgical Demonstration Workshop, learners should be able to:
- Evaluate the optimal use of diverse techniques for the above six procedures
- Formulate surgical protocols for the above knee procedures that integrate strategies designed to avoid potential complications

This Workshop is a great value for the sports medicine community. Plan now to attend this exceptional live surgical demonstration workshop with world class faculty!

AOSSM gratefully acknowledges educational grant and/or in-kind support from the following companies for the Live Surgical Demonstrations:

Registrants will have access to Navigating the Athlete’s Knee. The seven knee procedures supplement the Live Surgical Demonstrations Workshop procedures. Go to www.sportsmedlibrary.org and click the Special Collection icon.
### THURSDAY, JULY 12, 2012

**Continental Breakfast** – Exhibit Hall E: 6:15am

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

**Exhibits** – Hall E: 7:30am – 12:30pm

**Scientific & Concurrent Sessions** – Ballroom I and II: 8:30am – 12:30pm

- 8:30–8:36am **Welcome**
- 8:36–9:21am **Scientific Session**: Team Physician Update
- 8:48–8:54am **Scientific Session**: Concussion/Head Injury Update: What I Need to Know
- 8:55–9:06am **Scientific Session**: Game Time Sideline Decisions: Pain and Return to Play! What I Really Do on Game Day
- 9:07–9:13am **Scientific Session**: What is a Sports Medicine Doctor? Secrets of Success
- 9:22–9:37am **Scientific Session**: Economics of a Sports Medicine Practice in 2012
- 9:38–10:11am **Scientific Session**: Shoulder Instability / Labrum
- 9:38–9:43am **Herodicus Award Presentation**
- 10:11–10:49am **Scientific Session**: Biceps Labral Complex / AC Joint Updates
- 10:11–10:20am **Aircast Award for Clinical Science Presentation**
- 10:17–10:28am **Point/Counterpoint**: Biceps Labral Complex Repair vs Tenodesis in the Overhead Athlete
- 10:29–10:40am **Point/Counterpoint**: Grade III AC Joint Injuries in Contact Athletes
- 10:48–10:53am **OREF Presentation**
- 10:54–11:09am **First Business Meeting** (MEMBERS ONLY)
- 11:10–11:40am **BREAK**

**CONCURRENT SESSION A**: Ballroom I and II

- 11:41am–12:33pm **Scientific Session**: Foot/Ankle
- 11:47–11:53am **Current Concepts**: High Ankle Sprain - My Treatment Algorithm
- 12:12–12:18pm **Current Concepts**: Lisfranc Injury
- 12:19–12:25pm **Update**: Turf Toe/Jones Fracture

**CONCURRENT SESSION B**: Ballroom III

- 11:41am–12:32pm **Scientific Session**: Elbow and Throwing Elbow
- 12:05–12:25pm **Case Controversy**: Throwing Elbow Case Update—Adolescent Pitcher with Abnormal MRI/Medial Elbow Pain

- 1:00–5:30pm **Afternoon Workshop**: Knee Live Surgical Demonstrations

### FRIDAY, JULY 13, 2012

**Continental Breakfast** – Exhibit Hall E: 6:15am

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

**Exhibits** – Hall E: 7:30am – 12:30pm

**Scientific & Concurrent Sessions** – Ballroom I and II: 8:30am – 12:30pm

- 8:30–8:36am **George D. Rovere Award**
- 8:39–9:32am **Scientific Session**: ACL
- 8:43–8:48am **Aircast Award for Basic Science Presentation**
- 9:33–9:40am **Hughston Award Presentation**
- 9:41–9:48am **Hall of Fame Awards**
- 9:49–9:54am **Introduction to Presidential Address**
- 9:55–10:25am **Presidential Address**
- 10:26–10:56am **BREAK**

**CONCURRENT SESSION A**: Ballroom I and II

- 10:57am–12:30pm **Scientific Session**: Shoulder
- 10:57–11:20am **Symposium**: Rotator Cuff—How Do I Improve Healing in 2012?
- 11:31am–12:30pm **Symposium**: Case-Based Shoulder Instability

**CONCURRENT SESSION B**: Ballroom III

- 10:57am–12:02pm **Scientific Session**: Meniscus
- 11:10–11:30am **Meniscal Injury in the In-Season Athlete**: Repair vs Resection – What to Do?
- 11:31–11:40am **Current Concepts**: Meniscal Root Tears: Evaluation and Management
- 11:41–11:50am **Meniscal Repair Techniques**: What I Need to Know
- 12:03–12:30pm **Scientific Session**: Hip

- 1:00–3:00pm **Afternoon Workshop**: Young Sports Medicine Specialists: Are You Ready for Some Practice?

### AOSSM 2012 ANNUAL MEETING

AOSSM features the plenary and concurrent sessions from the AOSSM 2012 Annual Meeting on its website.

You can purchase online access to educational sessions containing slide presentations and speakers’ voices recorded at the Baltimore meeting for just $60. This is an economical way to review presentations, hear missed talks, and reference sessions. To register for this service, go to the AOSSM Registration Desk or purchase online at [www.sportsmed.org/onlinemeetings](http://www.sportsmed.org/onlinemeetings).
Program at a Glance |

SATURDAY, JULY 14, 2012

Continental Breakfast—Exhibit Hall E: 6:15am

Instructional Courses: 6:45–8:15am

Exhibits—Hall E: 7:30am–12:30pm

Scientific & Concurrent Sessions—
Ballroom I and II: 8:30am–1:30pm

8:30–8:35am Thomas A. Brady Award
8:36–9:01am Traveling Fellows Scientific Presentations
9:02–9:08am AOSSM Poster Awards
9:09–9:19am Excellence in Research Award Presentation
9:20–9:30am Cabaud Memorial Award Presentation
9:31–9:41am O’Donoghue Sports Injury Research Award Presentation
9:42–9:57am ACSM Exchange Lecture
9:58–10:03am Introduction to Presidential Guest Speaker
10:04–10:34am Presidential Guest Speaker
10:35–10:45am Robert E. Leach MD Mr. Sports Medicine Award
10:46–10:51am Presidential Medallion Exchange
10:52–11:07am Second Business Meeting (MEMBERS ONLY)
11:08–11:38am BREAK

CONCURRENT SESSION A: Ballroom I and II

11:39am–12:05pm Scientific Session: Hip
12:06–1:30pm Scientific Session: Adolescent Hip / Adult Hip
12:32–12:43pm Case-Based FAI: Surgical Treatment Update—Spotlight Video
12:43–1:18pm Symposium: Soft Tissue Hip Problems About the Hip Joint—Treatment Strategies

CONCURRENT SESSION B: Ballroom III

11:39am–12:34pm Scientific Session: Articular Cartilage
11:57am–12:24pm Isolated Articular Cartilage Lesions in the Young Athlete: A Case-Based Approach to Decision-Making
12:35–1:01pm Scientific Session: Osteoarthritis/Associated Conditions
1:02–1:35pm Scientific Session: PF Instability
1:14–1:20pm Surgery Spotlight: Technique Update—MPFL Reconstruction
1:21–1:28pm Surgery Spotlight: Technique Update—Adolescent Physeal Sparing

2:00–6:00pm Afternoon Workshop: The Maturing Athlete: Breakthroughs in Understanding and Treating the Effects of Aging in Active Patients
Location: Hilton Baltimore

SUNDAY, JULY 15, 2012

Continental Breakfast—Ballroom Foyer: 6:15am

Scientific Sessions—Ballroom I and II: 8:00–11:30am

8:00–8:07am Systematic Review Awards
8:08–8:23am NATA Exchange Lecture
8:24–9:10am Scientific Session: Complex Knee Ligaments
8:42–8:48am Current Concepts: Allografts in Knee Ligament Surgery—What is its Role in 2012?
8:49–9:02am Surgical Technique Update: PCL Reconstruction—Inlay and Tibial Tunnel
9:11–10:04am Scientific Session: Miscellaneous Shoulder
9:29–9:52am Symposium: Chronic Tendinopathy in the Athlete—Treatment Options
10:04–10:35am Scientific Session: Rotator Cuff/Superior Labrum Shoulder
10:36–10:51am AMSSM Exchange Lecture
10:52–10:59am T. David Sisk Awards for Excellence
11:00–11:29am Current Concepts: MRI in Sports Medicine—What Do We Really Need/Use to Influence Treatment Decisions?
11:30am MEETING ADJOURNS

AOSSM is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.
conference agenda

Thursday, July 12, 2012

8:36 – 9:21am Scientific Session: Team Physician Update
Moderator: Russell F. Warren MD (New York, NY)
Objectives: Upon completion of this scientific session, learners should be able to:
- Apply the latest recommendations with regard to management and return to play after head injury/concussion
- Evaluate options for pain management and return to play criteria for team physicians for commonly seen sports injuries
- Identify the attributes that make up a successful sports medicine physician

8:36 – 9:21am
9:22 – 9:37am Scientific Session: Shoulder Instability/Labrum
Moderator: John E. Kuhn MD (Nashville, TN)
Objectives: Upon completion of this scientific session, learners should be able to:
- Identify risk factors for recurrence of shoulder instability after surgery
- Analyze factors that predispose to posterior shoulder instability
- Evaluate treatment options for superior labral tears in baseball players

9:38 – 10:11am Scientific Session: Team Physician Update
Moderator: Edward G. McFarland MD (Lutherville, MD)
Objectives: Upon completion of this scientific session, learners should be able to:
- Examine the role of biceps repair as compared to tenodesis
- Discuss the advantages of repair as compared to tenodesis in the patient with a SLAP lesion
- Analyze which Grade III AC joint injuries are best treated surgically

9:38 – 10:11am
10:11 – 10:30am Scientific Session: Biceps Labral Complex/AC Joint Updates
Moderator: David M. Lintner MD (Baltimore, MD)
Objectives: Upon completion of this scientific session, learners should be able to:
- Identify the attributes that make up a successful sports medicine physician

9:38 – 10:11am
10:11 – 10:17am Point/Counterpoint: Biceps Labral Complex Repair vs Tenodesis in the Younger Active Patient Under Age 55: Is There a Difference in Strength and Outcomes?
Jamie Friedman BS1; Jennifer L. FitzPatrick MD1; Lucas S. Rylander MD1; Christine Bennett MS1; Armando F. Vidal MD1; Eric C. McCarty MD1;
1CU Sports Medicine, Boulder CO
2Orthopedic Center of Illinois, Springfield, IL

10:17 – 10:30am Point/Counterpoint: Biceps Labral Complex Repair vs Tenodesis in the Overhead Athlete
Neal S. ElAttrache MD (Los Angeles, CA)

10:30 – 10:41am
10:41 – 10:53am OREF Presentation
Ramon L. Jiminez MD, OREF President

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10:41 – 10:53am OREF Presentation
Ramon L. Jiminez MD, OREF President

10:30 – 10:41am
10:41 – 10:53am
Thursday, July 12, 2012

Concurrent Session A (Ballroom I and II)

11:41am–12:33pm  Scientific Session: Foot/Ankle
Moderator: Craig S. Roberts MD (Louisville, KY)
Objectives: Upon completion of this scientific session, learners should be able to:
- Evaluate the current treatment recommendations for ankle syndesmosis injury
- Discuss surgical outcomes in runners with exertional compartment syndrome
- Identify treatment recommendations for Lisfranc injury
- Examine current management of turf toe and Jones fracture in athletes

11:41 – 11:46am  Paper 8: Talus and Fibula Kinematics after Syndesmosis Injury: Implications for Optimizing the Surgical Treatment Algorithm
Kenneth Hunt MD; Elizabeth George BA; Anthony Behn MS; Brandon Bechtol MS; Derek Lindsey MS
Stanford University, Palo Alto, CA

Annunzio Amendola MD (Iowa City, IA)

11:54 – 11:59am  Paper 9: Outcome of Fasciotomy in Runners with Chronic Exertional Compartment Syndrome
Matthew Salzler MD; Adam Y. Nasreddine MA
Children’s Hospital Boston, Boston, MA

12:00 – 12:05pm  Paper 10: Return To Dance Following Open or Arthroscopic Excision of OS Trigonums In Ballet Dancers
Andy Roche FRCS; Anna Brodrick
Chelsea and Westminster Hospital, NHS Foundation Trust, London, England

Rupinderbir Singh Deo FRCS; Andy Roche FRCS; James Calder MD, FRCS, FFSEM
Chelsea and Westminster Hospital, NHS Foundation Trust, London, England

12:12 – 12:18pm  Current Concepts: Lisfranc Injury
Mark S. Myerson MD (Baltimore, MD)

12:19 – 12:25pm  Update: Turf Toe/Jones Fracture
David A. Porter MD (Indianapolis, IN)

12:26 – 12:33pm  Question & Answer Session

1:00–5:30pm  Knee Live Surgical Demonstrations
Location: Ballroom III, Baltimore Convention Center

Concurrent Session B (Ballroom III)

11:41am–12:32pm  Scientific Session: Elbow and Throwing Elbow
Moderator: Michael W. Moser MD (Gainesville, FL)
Objectives: Upon completion of this scientific session, learners should be able to:
- Evaluate the emerging treatment option of PRP about the elbow
- Discuss injury patterns and treatment of olecranon stress fractures in the thrower
- Contrast differing options for management of ulnar collateral ligament injuries

11:41 – 11:46am  Paper 12: Prospective Randomized Clinical Study for the Treatment of Lateral Epicondylitis: Comparison Among PRP (Platelet-Rich Plasma), Prolotherapy, Physiotherapy and ESWT
Sang-hoon Lhee MD, PhD; Jin-Young Park MD
Konkuk University Medical Center, Seoul, South Korea

Leslie Bisson MD; Yajuvendra V. Gawai MBBS
University of Buffalo, Williamsville, NY

Kozo Furushima MD, PhD; Yoshiyasu Itoh MD, PhD
Keio University Hospital, Tateshina, Gumma, Japan

11:59am–12:04pm  Paper 15: Early Anatomic Abnormalities of the Anterior Band of the Ulnar Collateral Ligament Detected on Dynamic Elbow Ultrasound in Professional Baseball Pitchers Age 17-21
Michael G. Ciccotti MD; Levon Nazarian MD
Rothman Institute, Philadelphia, PA

12:05 – 12:25pm  Case Controversy: Throwing Elbow Case Update – Adolescent Pitcher with Abnormal MRI/Medial Elbow Pain
Moderator: Champ L. Baker Jr, MD (Columbus, GA)

12:05 – 12:11pm  Conservative/PRP Approach
Christopher S. Ahmad MD (New York, NY)

12:12 – 12:18pm  Repair Early
Felix H. Savoie III, MD (Baltimore, MD)

12:19 – 12:25pm  Reconstruct Now
James R. Andrews MD (Birmingham, AL)

12:26 – 12:32pm  Question & Answer Session
Friday, July 13, 2012

  David Logerstedt PT, PhD¹; Hege Grindem PT, MSc²; Andrew Lynch DPT¹; Ingrid Eitzen PT, PhD³; May Arna Risberg PT, PhD⁴; Lynn Snyder-Mackler PT, ScD, FAPTA⁵; Michael J. Axe MD⁴; Lars Engebretsen MD, PhD²
  ¹University of Delaware, Newark, DE
  ²Norwegian Research Center for Active Rehabilitation, Oslo, Norway
  ³Oslo University Hospital-Ullevål, Oslo, Norway
  ⁴First State Orthopaedics, Newark, DE

  Jong Keun Seon MD, PhD¹; Eun Kyoo Song MD, PhD²; Ji Hyeon Yim MD¹; Keun Bae Lee MD²
  ¹Chonnam National University Hwasun Hospital, Hwasun, Jeonnam, Republic of Korea

9:21 – 9:32am Question & Answer Session

9:33 – 9:40am Hughston Award Presentation
  Effect of Gender and Sports on the Risk of Full-Thickness Articular Cartilage Lesions in Anterior Cruciate Ligament–Injured Knees: A Nationwide Cohort Study From Sweden and Norway of 15,783 Patients
  Jan Harald Røtterud MD; Einar A. Sivertsen MD, PhD; Magnus Forsblad MD, PhD; Lars Engebretsen MD, PhD; Asbjørn Årøen MD, PhD

9:41 – 9:48am Hall of Fame Awards

9:49 – 9:54am Introduction to Presidential Address
  Robert A. Stanton MD (Fairfield, CT)

9:55 – 10:25am Presidential Address
  Peter A. Indelicato MD (Gainesville, FL)

10:26 – 10:56am BREAK

Presenters are in bold
**Friday, July 13, 2012**

**Concurrent Session A (Ballroom I and II)**

**10:57am–12:30pm Scientific Session: Shoulder**  
**Moderator:** Richard J. Hawkins MD, FRCSC (Greenville, SC)  
**Objectives:** Upon completion of this scientific session, learners should be able to:  
- Analyze new treatment options for optimizing rotator cuff repair  
- Identify risk factors for failure of instability surgery  
- Discuss surgical treatment options for bone loss in instability patients

**10:57–11:20am Symposium: Rotator Cuff—How Do I Improve Healing in 2012?**  
**Moderator:** Stephen S. Burkhart MD (San Antonio, TX)

**10:57–11:04am**  
**Single Row vs Double Row**  
**Theodore F. Schlegel MD (Greenwood Village, CO)

**11:05–11:12am**  
**Biologic/PRP**  
**Robert A. Arciero MD (Farmington, CT)

**11:13–11:20am**  
**Augmentation Grafts**  
**Stephen F. Brockmeier MD (Charlottesville, VA)

**11:21–11:30am**  
**Question & Answer Session**

**11:31am–12:30pm Symposium: Case-Based Shoulder Instability**  
**Moderator:** Laurence D. Higgins MD (Boston, MA)

**11:31–11:38am**  
**Bone Loss: How to Measure It?**  
**John M. Tokish MD (Honolulu, HI)

**11:39–11:46am**  
**Failed Primary Arthroscopic**  
**Larry D. Field MD (Jackson, MS)

**11:47am–12:04pm**  
**Bone Defect: Glenoid**  
**Jon K. Sekiya MD (Ann Arbor, MI)

**12:05–12:12pm**  
**Bone Defect: Humeral Head**  
**Anthony Miniaci MD (Cleveland, OH)

**12:13–12:20pm**  
**Posterior Instability**  
**Peter J. Millett MD, MSc (Vail, CO)

**12:21–12:30pm**  
**Question & Answer Session**

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**Concurrent Session B (Ballroom III)**

**10:57am–12:02pm Scientific Session: Meniscus**  
**Moderator:** Thomas L. Wickiewicz MD (New York, NY)  
**Objectives:** Upon completion of this scientific session, learners should be able to:  
- Discuss the role of the meniscus in knee kinematics and outcomes  
- Examine cases of meniscal injury and how best to treat them  
- Assess the role of meniscal repair and applicable techniques

**10:57–11:03am**  
**Paper 22: Effect of Meniscectomy on Degenerative Horizontal Tear of the Medial Meniscus Compared with Conservative Treatment**  
**Ji Hyeon Yim MD**; Jong Keun Seon MD; Eun Kyoo Song MD

1. Chonnam National University, Hwasun Hospital, Hwasun, Republic of Korea

**11:04–11:09am**  
**Paper 23: Effect of Meniscus Injuries on Kinematics of the Knee with ACL Deficiency**  
**Thomas J. Gill MD**; Ali Hosseini PhD; Jing-Sheng Li MS; Hernanith R. Gaidioka MS; Guan Li PhD

1. Massachusetts General Hospital/Harvard Medical School, Boston, MA

**11:10–11:30am**  
**Meniscal Injury in the In-Season Athlete: Repair vs Resection—What to Do? Case Examples**  
**Moderator:** K. Donald Shelbourne MD (Indianapolis, IN)  
**Panel:**  
- Russell C. Linton MD (Columbus, MS)  
- Christopher C. Kaeding MD (Columbus, OH)  
- David R. Diduch MD (Charlottesville, VA)

**11:31–11:40am**  
**Current Concepts: Meniscal Root Tears—Evaluation and Management**  
**Christopher D. Harner MD** (Pittsburgh, PA)

**11:41–11:50am**  
**Meniscal Repair Techniques: What I Need to Know in 2012**  
**Nicholas A. Sagglione MD** (Great Neck, NY)

**11:51am–12:02pm**  
**Question & Answer Session**

**12:03–12:30pm Scientific Session: Hip**  
**Moderator:** J.W. Thomas Byrd MD (Nashville, TN)  
**Objectives:** Upon completion of this scientific session, learners should be able to:  
- Discuss the role of surgical treatment in muscle injuries about the hip  
- Evaluate outcomes after repair of hip muscular injury  
- Discuss the relationship between FAI and sports hernia

**12:03–12:08pm**  
**Paper 24: Functional Results and Outcomes after Repair of Proximal Hamstring Avulsions**  
**Steven B. Cohen MD**; Ashwin Rangavajjula BS; Dharmesh Vyas MD, PhD; James P. Bradley MD

1. Rothman Institute, Philadelphia, PA  
2. University of Pittsburgh Medical Center, Pittsburgh, PA  
3. Burke & Bradley Orthopedics, Pittsburgh, PA

**12:09–12:14pm**  
**Paper 25: Outcomes of Endoscopic Gluteus Medius Repair**  
**Benjamin G. Domb MD**; Zachary J. Finley BA; Ryan A. Baise BS; Itamar B. Botser MD

1. Hinsdale Orthopaedics, Chicago, IL
2. Children’s Hospital Los Angeles, Los Angeles, CA

**12:15–12:20pm**  
**Paper 26: Radiographic Evidence of FAI in Athletes with Sports Hernias**  
**Kostas J. Economopoulos MD**; David R. Diduch MD; John B. Hanks MD; Matthew D. Milewski MD; Joseph M. Hart PhD

1. University of Virginia Health Systems, Charlottesville, VA  
2. Children’s Hospital Los Angeles, Los Angeles, CA

**12:21–12:30pm**  
**Question & Answer Session**

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**AOSSM ANNUAL MEETING 2012**

**Baltimore, MD**

**JULY 12–15, 2012**

1:00–3:00pm **Young Sports Medicine Specialists’ Workshop: Are You Ready for Some Practice?**
### Conference Agenda

**Saturday, July 14, 2012**

#### Concurrent Session A (Ballroom I and II)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11:39am – 12:05pm</td>
<td><strong>Scientific Session:</strong> Hip&lt;br&gt;<strong>Moderator:</strong> Bryan T. Kelly MD (New York, NY)&lt;br&gt;<strong>Objectives:</strong> Upon completion of this scientific session, learners should be able to:&lt;br&gt;• Apply the epidemiology of femoracetabular impingement&lt;br&gt;• Identify the cause of pain following hip arthroscopy&lt;br&gt;• Describe the results of arthroscopic labral repair in elite athletes</td>
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<tr>
<td>11:51 – 11:56am</td>
<td><strong>Paper 29:</strong> Outcomes and Return to Sport in Elite Athletes Following Arthroscopic Labral Reconstruction of the Hip in Elite Athletes&lt;br&gt;<strong>Robert E. Boykin MD</strong>&lt;br&gt;<strong>Diana Patterson BA</strong>&lt;br&gt;<strong>Karen K. Briggs MPH, MBA</strong>&lt;br&gt;<strong>Marc J. Philipp MD</strong>&lt;br&gt;<strong>Steadman Philipp Research Institute, Vail, CO</strong></td>
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<tr>
<td>11:57am – 12:05pm</td>
<td><strong>Question &amp; Answer Session</strong></td>
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**6:15am** Continental Breakfast—Exhibit Hall E  
**6:45–8:15am** Instructional Courses  
**7:30am–12:30pm** Exhibits—Ballroom I, II, and III  
**8:30am–12:30pm** Scientific & Concurrent Sessions—Ballroom I, II, and III  
**8:30–8:35am** **Thomas A. Brady Award**  
Kenneth E. DeHaven MD (Rochester, NY)  
**8:36–9:01am** **Traveling Fellows Scientific Presentations**  
Eric C. McCarty MD, Chair, Traveling Fellowship Committee (Boulder, CO)  
**8:38–8:40am** Champ L. Baker Jr, MD, Godfather, APOSSM Tour (Columbus, GA)  
**8:41–8:43am** Brett D. Owens MD (West Point, NY)  
**8:44–8:46am** Toru Fukubayashi MD, PhD, Godfather, APOSSM/APOSSM Tour (Kashiwa, Japan)  
**8:47–8:52am** Jiwu Chen MD, PhD (Shanghai, China)  
Does remplissage Procedure influence the Postoperative Range of Motion? A Prospective Study with at Least Two Years Follow Up  
**8:53–8:55am** Paulo Llinas MD, Godfather, AOSSM/SLARD Tour (Pance Cali, Colombia)  
**8:56–9:01am** Tomas Vilaseca MD (Buenos Aires, Argentina)  
Treatment of Acetabular Chondral Defects with Microfractures  
**9:02–9:08am** **AOSSM Poster Awards**  
**9:09–9:19am** **Excellence in Research Award Presentation**  
A Comparison of Tissue Engineered Scaffold-less Bone-Ligament-Bone Constructs and Patellar Tendon Autografts Used for Anterior Cruciate Ligament Replacement in Sheep  
**Jinjin Ma MS**<br>**Michael J. Smietana MS**<br>**Ilea T. Swinehart BS**<br>**Tatiana Y. Kostronimova PhD**<br>**Deneen M. Weilick PhD**<br>**Edward M. Woljys MD**<br>**Lisa M. Larkin PhD**<br>**Ellen M. Arruda PhD**<br>**University of Michigan, Ann Arbor, MI**  
**9:20–9:30am** **Cabaud Memorial Award Presentation**  
The Effect of Mechanical Loading on Tendon to Bone Healing  
**Carolyn M. Hettrich MD, MPH**<br>**Selom Y. Gasinu MD**<br>**Brandon S. Beamer MD**<br>**Mark E. Stasiak BS**<br>**Patrick Birmingham MD**<br>**Alice J.S. Fox**<br>**University of Michigan, Ann Arbor, MI**  
**9:31–9:41am** **O’Donoghue Sports Injury Research Award Presentation**  
The Association Between Serum Biomarkers of Cartilage Turnover and Subsequent Anterior Cruciate Ligament Rupture  
**Steven J. Svoboda MD**<br>**Brett D. Owens MD**<br>**Travis Harvey PhD**<br>**Patrick Tarwater PhD**<br>**William Brechue PhD**<br>**Kenneth L. Cameron PhD, MPH, ATC**<br>**Keller Army Hospital, West Point, NY**<br>**US Military Academy, West Point, NY**<br>**Texas Tech University Health Sciences Center, El Paso, TX**  
**9:42–9:57am** **ACSM Exchange Lecture**  
Legal Drugs/Stimulants Kids Can Take  
**Robert Hosey MD** (Lexington, KY)  
**9:58–10:03am** **Introduction to Presidential Guest Speaker**  
**Peter A. Indelicato MD** (Gainesville, FL)  
**10:04–10:34am** **Presidential Guest Speaker**  
**Lee Corso** (Orlando, FL)  
**10:35–10:45am** **Robert E. Leach MD Mr. Sports Medicine Award**  
**10:46–10:51am** **Presidential Medallion Exchange**  
**10:52–11:07am** **Second Business Meeting** (MEMBERS ONLY)  
**11:08–11:38am** **BREAK**
Saturday, July 14, 2012

Concurrent Session A (Ballroom I and II)

12:06 – 1:30pm Scientific Session: Adolescent/Adult Hip
Moderator: John C. Clohisy MD (St. Louis, MO)
Objectives: Upon completion of this scientific session, learners should be able to:
- Discuss the unique characteristics associated with the diagnosis and treatment of hip problems in adolescents
- Describe the classification and current treatment strategies for FAI
- Identify appropriate treatment strategies for soft tissue problems in and around the hip and groin in athletes

Peter D. Fabricant MD1; Brandon P. Hirsch MD2; Ian Holmes BS3; Eric Bogner MD1; Bryan T. Kelly MD1; Daniel W. Green MD1
1Hospital for Special Surgery New York, NY
2University of Miami – Jackson Memorial Hospital, Miami, FL
3Children’s Hospital Boston, MA

12:12 – 12:17pm Paper 31: Activity Level, Return to Play, and Radiographic and Functional Outcomes following Peri-Acetabular Osteotomy in Adolescent and Young Adult Athletes
Benton E. Heyworth MD1; Eduardo N. Novais MD2; Kerri Murray MA1; Gregory L. Cvetanovich BS3; Michael B. Millis MD1; Young-Jo Kim MD2; Michael B. Millis MD1
1Children’s Hospital Boston, MA
2Denver Children’s Hospital, Aurora, CO
3Harvard Medical School Boston, MA

12:18 – 12:23pm Paper 32: Adolescent Athletes can Maintain their Level of Activities Following Surgical Dislocation of the Hip
Eduardo N. Novais MD2; Benton E. Heyworth MD1; Young-Jo Kim MD2; Michael B. Millis MD1
1Children’s Hospital Boston, MA
2Denver Children’s Hospital, Aurora, CO

12:24 – 12:31pm Question & Answer Session

12:32 – 12:43pm Case-Based FAI: Surgical Treatment Update – Spotlight Video
Pincer
Marc R. Safran MD (Palo Alto, CA)

12:38 – 12:43pm Cam
Marc J. Phillippon MD (Vail, CO)

12:43 – 1:18pm Symposium: Soft Tissue Problems About the Hip Joint - Treatment Strategies
Moderator: Christopher M. Larson MD (Edina, MN)

12:43 – 12:51pm Hamstring Avulsion
Charles A. Bush-Joseph MD (Chicago, IL)

12:52 – 1:00pm Snapping Hip/iliopsoas
James S. Keene MD (Madison, WI)

1:01 – 1:09pm Sports Hernia
David R. Diduch MD (Charlottesville, VA)

1:10 – 1:18pm Osteitis Pubis
Keith Kenter MD (Cincinnati, OH)

1:19 – 1:30pm Question & Answer Session

Concurrent Session B (Ballroom III)

11:39 – 12:34pm Scientific Session: Articular Cartilage
Moderator: Christian R. Lattermann MD (Lexington, KY)
Objectives: Upon completion of this scientific session, learners should be able to:
- Describe the long-term outcome of patients undergoing autologous chondrocyte implantation
- Discuss the technical pearls for each cartilage restoration procedure
- Compare/contrast different strategies for the treatment of focal articular cartilage defects in young athletes

11:39 – 11:44am Paper 33: 10-16 Years Follow-Up of Autologous Chondrocyte Implantation and Survivorship Analysis
Arvind von Keudell MD1; Tim Bryant RN1; Tom Minas MD1
1Brigham and Women’s Hospital Chestnut Hill, MA

11:45 – 11:50am Paper 34: A Comprehensive Assessment of Autologous Chondrocyte Implantation to Isolated Patella Defects: A Two- to Fifteen Year Follow-Up
Arvind von Keudell MD1; Tim Bryant RN1; Tom Minas MD1
1Brigham and Women’s Hospital Chestnut Hill, MA

11:51 – 11:56am Paper 35: Autologous Chondrocyte Implantation and Anteromedialization of Isolated Patella Articular Cartilage Lesions: 5 to 12 Year Average Follow-up
Ryan M. Arnold MD1; Scott D. Gillogly MD2
1OrthoWest Omaha, NE
2Atlanta Sports Medicine & Orth Ctr, Atlanta, GA

11:57am – 12:24pm Isolated Articular Cartilage Lesions in the Young Athlete: A Case-Based Approach to Decision-Making
Moderator: Thomas J. Gill IV MD (Boston, MA)

11:57am – 12:03pm Microfracture
Kai Milhoefer MD (Cambridge, MA)

12:04 – 12:10pm Allografts
Brian J. Cole MD, MBA (Chicago, IL)

12:11 – 12:17pm ACI
Andreas H. Gomoll MD (Chestnut Hill, MA)

12:18 – 12:24pm Osteochondral Autograft Procedure
Riley J. Williams III MD (New York, NY)

12:25 – 12:34pm Question & Answer Session

12:35 – 1:01pm Scientific Session: Osteoarthritis/Associated Conditions
Moderator: Elizabeth A. Arendt MD (Minneapolis, MN)
Objectives: Upon completion of this scientific session, learners should be able to:
- Discuss the role of Platelet Rich Plasma (PRP) in the treatment of early knee osteoarthritis
- Describe the incidence of knee osteoarthritis following isolated ACL injury
- Analyze the mid–long-term results of ACL reconstruction in patients over 40

12:35 – 12:40pm Paper 36: PRP Injections vs Viscosupplementation for Early Knee Osteoarthritis: A Randomized Double-blind Study
Elizaveta Kon MD1; Giuseppe Filardo MD1; Alessandro Di Martino MD1; Silvio Patella MD1; Berardo Di Matteo MD1; Francesco Perdisa MD1; Maurilio Marzacci MD1
1Rizzoli Orthopedic Institute Bologna, Italy
### Concurrent Session B (Ballroom III)

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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| 12:41 – 12:46pm   | Paper 37: Changes in Circulating Biomarkers of Cartilage Turnover and Inflammation after Anterior Cruciate Ligament Reconstruction and Rehabilitation  
                     Christopher L. Mendias PhD, ATC; Evan B. Lynch BS; Elizabeth R. Sibisky Enselman MEd, ATC; 
                     Max E. Davis BS; Tarek A. Makki BS; Paul D. DeWolf BS; Julie A. Harning BS; Ashesheh Bedi MD  
                     University of Michigan, Ann Arbor, MI                                                  |
| 12:47 – 12:52pm   | Paper 38: Knee Function and Osteoarthritis in Patients with Anterior Cruciate Ligament Reconstruction Older than Forty Years Old at the Time of Surgery: A 5 to 15-Year follow-up  
                     Antonio Miguel MD; Michell Ruiz-Suarez MD, MS; Maria C. Rodriguez-Gutierrez MD; Josel. L. Criales-Cortes MD  
                     Club Universidad Nacional AC, Mexico City, Mexico  
                     Instituto Nacional de Rehabilitacion, Mexico City, Mexico  
                     Universidad Nacional Autonoma de Mexico, Mexico City, Mexico  
                     CT Scanner Mexico, Mexico City, Mexico                                                  |
| 12:53 – 1:01pm    | Question & Answer Session                                                                 |
| 1:02 – 1:35pm     | **Scientific Session: PF Instability**  
                     **Moderator:** Jeffrey A. Guy MD (Columbia, SC)  
                     **Objectives:** Upon completion of this scientific session, learners should be able to:  
                     • Discuss the anatomy of the Medial Patellofemoral Ligament (MPFL) and its implications in the treatment of patellar instability  
                     • Identify the best MPFL reconstruction from biomechanical testing  
                     • Compare/contrast MPFL reconstruction techniques in adults and adolescents |
| 1:02 – 1:07pm     | **Paper 39: Medial Patellofemoral Ligament (MPFL) Surgical Anatomy**  
                     Cory M. Edgar MD, PhD; Anthony A. Schepsis MD; John P. Fullkerson MD  
                     University of Connecticut Program, Farmington, CT  
                     Boston University Medical Center, Boston, MA  
                     Orthopedic Associates of Hartford PC, Farmington, CT                                    |
| 1:08 – 1:13pm     | **Paper 40: Cyclic Testing of 3 Medial Patellofemoral Ligament Reconstruction Techniques**  
                     Ahmed Akther BS; Cassie Mandala PA-C; Vishal Mohta MD  
                     Fox Valley Orthopedics, Geneva, IL                                                      |
| 1:14 – 1:20pm     | **Surgery Spotlight: Technique Update – MPFL Reconstruction**  
                     Andrew J. Cosgarea MD (Baltimore, MD)                                                   |
| 1:21 – 1:28pm     | **Surgery Spotlight: Technique Update – Adolescent Physeal Sparring**  
                     Stephen Kenji Aoki MD (Salt Lake City, UT)                                              |
| 1:29 – 1:35pm     | Question & Answer Session                                                                 |
| 2:00 – 6:00pm     | **AOSSM Research Workshop:** The Maturing Athlete: Breakthroughs in Understanding and Treating the Effects of Aging in Active Patients**  
                     Location: Hilton Baltimore                                                               |
|                   | **Sunday, July 15, 2012**                                                                 |
| 6:15am            | Continental Breakfast – Ballroom Foyer                                                    |
| 8:00am – 11:30am  | **Scientific Sessions – Ballroom I and II**                                              |
| 8:00 – 8:07am     | **Systematic Review Awards**                                                              |
|                   | In Vivo Evidence for Tibial Plateau Slope as a Risk Factor for Anterior Cruciate Ligament Injury: A Systematic Review and Meta-analysis  
                     Samuel C. Wordeman BS; Carmen E. Quatman MD, PhD; Christopher C. Kaeding MD; Timothy E. Hewett PhD, FACSM  
                     University of Cincinnati, Cincinnati, OH  
                     Ohio State University, Columbus, OH                                                     |
| 8:08 – 8:23am     | **NATA Exchange Lecture**                                                                 |
|                   | Neuromechanics and Conservative Management of Chronic Ankle Instability  
                     Jay Hertel PhD, ATC, FNATA (Charlottesville, VA)                                        |
| 8:24 – 9:10am     | **Scientific Session: Complex Knee Ligaments**                                            |
|                   | **Moderator:** Mark D. Miller MD (Charlottesville, VA)                                     |
|                   | **Objectives:** Upon completion of this scientific session, learners should be able to:   |
|                   | • Describe the treatment and outcomes of PCL and multiple ligament injuries in adolescents and adults  
                     • Identify the complexities associated with repeat revision ACL reconstruction  
                     • Describe the current role of allografts in knee ligament reconstruction  
                     • Compare/contrast different PCL reconstruction techniques |
| 8:24 – 8:29am     | **Paper 41: Treatment of Posterior Cruciate Ligament Injuries in Pediatric and Adolescent Patients**  
                     Benton E. Heyworth MD; Brett Shore MD; Adam Y. Nasreddine MA; Milinder S. Kocher MD, MPH  
                     Children’s Hospital, Boston, MA                                                        |
| 8:30 – 8:35am     | **Paper 42: Outcomes of Repeat Revision ACL Reconstruction**                             |
|                   | Timothy B. Griffin MD; Benjamin J. Allen MD; Bruce A. Levy MD; Michael J. Stuart MD; Diane L. Dahm MD  
                     Mayo Clinic, Rochester, MN                                                              |
| 8:36 – 8:41am     | **Paper 43: Clinical Outcomes of Knee Dislocations: 2 to 10-Year Follow-up. Preliminary Results.**  
                     Dustin Richter MD; Toribio T. Natividad MD; Burke Gurney PT, PhD; Ron Andrews PT, PhD; James Dexter PT, MA; Robert C. Schenck MD; Daniel C. Wascher MD  
                     University of New Mexico, Albuquerque, NM                                               |
| 8:42 – 8:48am     | **Current Concepts: Allografts in Knee Ligament Surgery — What is Its Role in 2012?**      |
|                   | Jo A. Hannafin MD, PhD (New York, NY)                                                     |
| 8:49 – 9:02am     | **Surgical Technique Update:** PCL Reconstruction — Inlay and Tibial Tunnel                |
| 8:49 – 8:55am     | Inlay                                                                                     |
| 8:56 – 9:02am     | Tibial Tunnel                                                                             |
| 9:03 – 9:10am     | Question & Answer Session                                                                 |
| 9:11 – 10:04am    | **Scientific Session: Miscellaneous Shoulder**                                            |
|                   | James E. Carpenter MD (Ann Arbor, MI)                                                     |
|                   | **Objectives:** Upon completion of this scientific session, learners should be able to:   |
|                   | • Evaluate different reconstruction options for bony deficiency of the glenoid  
                     • Identify the best treatment option for the management of partial articular-sided rotator cuff tears  
                     • Describe the durability of humeral head resurfacing |

Presenters are in bold
Sunday, July 15, 2012

9:11 – 9:16am Paper 44: Comparison of Glenohumeral Contact Pressures and Contact Area after Glenoid Reconstruction with Latarjet or Distal Tibial Osteochondral Allograft
Sanjeev Bhatia MD; Geoffrey S. Van Thiel MD, MBA; Deepali Gupta BS; Neil S. Ghodadra MD; Bernard R. Bach Jr, MD; Elizabeth Showman MS; Vincent Wang PhD; Anthony A. Romeo MD; Matthew Provencher MD; Nikhil N. Verma MD
1Rush University Medical Center, Chicago, IL
2Naval Medical Center, San Diego, CA

9:17 – 9:22am Paper 45: Partial Articular-Sided Rotator Cuff Tears: A Comparative Study of In-Situ Repair vs Completion of Tear Prior to Repair
Arun Rajaram MD; Paul M. Sethi MD; Elifho Obopilwe MS; Augustus D. Mazzocca MD, MS
1Yale University School of Medicine, Department of Orthopaedics and Rehabilitation New Haven, CT
2Orthopaedic & Neurosurgery Specialists, Greenwich, CT
3University of Connecticut Health Center, Hartford, CT

9:23 – 9:28am Paper 46: Durability of Partial Humeral Head Resurfacing
Ruth A. Delaney MD; Michael T. Freehill MD; Laurence D. Higgins MD; Jon J. Warner MD
1Massachusetts General Hospital, Boston, MA
2Brigham and Women’s Hospital, Boston, MA

9:29 – 9:52am Symposium: Chronic Tendinopathy in the Athlete—Treatment Options
Moderator: William E. Garrett Jr, MD, PhD (Durham, NC)

9:29 – 9:36am PRP
Steven P. Amoczyz DVM (East Lansing, MI)

9:37 – 9:44am Ultrasound
Bernard F. Morrey DVM (East Lansing, MI)

9:45 – 9:52am Eccentric Physical Therapy
Kevin E. Wilk PT, DPT (Birmingham, AL)

9:53 – 10:04am Question & Answer Session

10:04 – 10:35am Scientific Session Rotator Cuff/Superior Labrum Shoulder
Moderator: John E. Conway MD (Fort Worth, TX)

10:04 – 10:11am Partial Cuff Tear
David W. Atchek MD (New York, NY)

10:12 – 10:25am Point/Counterpoint: Isolated Superior Labrum Tears with Normal Biceps Tendon
Fix It
E. Lyle Cain Jr, MD (Birmingham, AL)

10:19 – 10:25am Leave It Alone: Be Careful!
Michael G. Cicotti MD (Philadelphia, PA)

10:26 – 10:35am Question & Answer Session

10:36 – 10:51am AMSSM Exchange Lecture
The Use of Ultrasound in Sports Medicine
Joshua G. Hackel MD (Gulf Breeze, FL)

10:52 – 10:59am T. David Sisk Awards for Excellence
T. David Sisk Award for Best Original Research Paper
Infrapatellar Straps Decrease Patellar Tendon Strain at the Site of the Jumper’s Knee Lesion: A Computational Analysis Based on Radiographic Measurements
Michael Lavagnino PhD; Steven P. Amoczyz DVM; Julie A. Dodds MD; Niell Elvin PhD
1Michigan State University, East Lansing, MI
2City College of New York, New York, NY

T. David Sisk Award for Best Review Paper
Osteoarthritis after Anterior Cruciate Ligament Reconstruction: The Importance of Regaining and Maintaining Full Range of Motion
K. Donald Shelbourne MD; Heather Freeman MPT; Tinker Gray MA
1Shelbourne Knee Center, Indianapolis, IN

T. David Sisk Award for Best International Paper
Platelet-Rich Plasma Treatment in Symptomatic Patients with Knee Osteoarthritis: Preliminary Results in a Group of Active Patients
Alberto Gobbi MD; Georgios Karnatzikos; Vivek Mahajan; Somanna Malchira
1Oasi Bioresearch Foundation Gobbi Onlus, Italy

Moderator: Matthew J. Matava MD (St. Louis, MO)

11:00 – 11:07am Shoulder
Scott D. Mair MD (Lexington, KY)

11:08 – 11:15am Elbow
Jeffrey R. Dugas MD (Birmingham, AL)

11:16 – 11:22am Hip
J.W. Thomas Byrd MD (Nashville, TN)

11:23 – 11:29am Knee
Kurt P. Spindler MD (Nashville, TN)

11:30am Conference Adjourns

BREEZE INTO CHICAGO IN 2013—
Safe travels home!
THOMAS A. BRADY AWARD

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

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

The Hughston Award is given annually for the most outstanding paper appearing in The American Journal of Sports Medicine (AJSM) prior 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 during 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 MR. SPORTS MEDICINE AWARD

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.
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 titled, The Treatment of Injuries to Athletes 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
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
The T. David Sisk Research Awards were established in 2010 to honor the best papers submitted to Sports Health: A Multidisciplinary Approach 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 Sports Health 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.
Upper Extremity

1. Mapping of Cartilage Depth in the Knee and Elbow for Use in Osteochondral Autograft Procedures
   David L. Schub MD; Nicholas C. Frisch MD; Keith Bachmann MD; Carl S. Wimalski MD; Paul M. Saluan MD
   *Cleveland Clinic Foundation, Cleveland, OH

2. Characterizing Bone Tunnel Placement in Medial Ulnar Collateral Ligament Reconstruction Utilizing Patient Specific 3-D CT Modeling
   Ian R. Byram MD; Krishna Khanna BS; Thomas R. Gardner MCE; Christopher S. Atmad MD
   1Columbia University Medical Center, New York, NY
   2Center for Orthopaedic Research, New York, NY

3. Effect of Osteochondral Defect of the Humeral Capitellum on Elbow Valgus Laxity and Contact Pressure in the Radiocapitellar Joint: A Biomechanical Study
   Teruhisa Mihata MD, PhD; Ryan Quiqley BS; Grant Robicheaux MD; Michelle H. McGarry MS; Mitsuo Kinoshita MD, PhD; Thay Q. Lee PhD
   1Osaka Medical College Takatsuki, Japan
   2Orthopedic Biomechanics Laboratory, Long Beach, CA
   3Long Beach VA Healthcare System and UC Irvine, Long Beach, CA

4. Using Dynamic Elbow Ultrasound to Characterize Progression of Ulnar Collateral Ligament Abnormalities Over Time in Professional Baseball Pitchers
   Michael G. Ciccotti MD; Levon Nazarian MD; Alfred Atanda MD; Steven B. Cohen MD; Laurens Holmes Jr, DrPh, PhD; Christopher S. Atmad MD
   1Rothman Institute, Philadelphia, PA
   2Thomas Jefferson University Hospital, Philadelphia, PA
   3Alfred I duPont Hospital for Children, Wilmington, DE

5. Evaluation of Knee Donor and Elbow Recipient Sites for Treatment of Osteochondritis Dissecans with Osteochondral Autologous Transplantation Surgery
   Alexander M. Vezeridis MD, PhD; Donald S. Bae MD
   *Children's Hospital Boston, Boston, MA

6. Simple Method of Glenoid Bone Loss Calculation Using Ipsilateral MRI
   Brett D. Owens MD; Travis C. Burns MD; Scot Campbell MD; Steven J. Svoboda MD; Kenneth L. Cameron PhD, MPH, ATC
   *Keller Army Hospital, West Point, NY
   1San Antonio Military Medical Center, Ft Sam Houston, TX
   2Willard Hall Medical Center, San Antonio, TX

7. Rotator Cuff Weakness is not a Risk Factor for First-time Anterior Glenohumeral Instability
   Christopher J. Roach MD; Matthew A. Posner MD; Kenneth L. Cameron PhD, MPH, ATC; Brett D. Owens MD
   *Keller Army Hospital, West Point, NY

8. Can a Posture Shirt Decrease Injury Rates in Intercollegiate Overhead Athletes?
   Michael F. Shepard MD; Brent R. Davis MD; Benjamin D. Rubin MD
   1Orthopaedic Specialty Institute, Orange, CA
   2Southern California Permanente Medical Group, Irvine, CA

   Bryson P. Lesniak MD; Jean Jose DO; Zakariah Mahmood MD; Michael Baraga MD; Marvin K. Smith MD; Sean Cunningham ATC; Lee D. Kaplan MD
   *University of Miami, Miller School of Medicine, Miami, FL
   Florida Marlins—Major League Baseball, Miami, FL

10. Arthroscopic Capsulolabral Reconstruction for Posterior Instability of the Shoulder: A Prospective Study of 200 Shoulders
    Michael P. McClincy MD; James P. Bradley MD; Justin Arner BA; Samir Tejwani MD
    1University of Pittsburgh Medical Center, Pittsburgh, PA
    2Burke & Bradley Orthopedics, Pittsburgh, PA
    3West Virginia University, Morgantown, WV
    *Kaiser Permanente, Fontana, CA

11. The Effect of Shoulder Immobilization on Driving Performance
    Saqib Hasan BS; Laith M. Jazrawi MD; Edward Chay BS; Ikemefuna Onyekwelu MD; Samir Nayyar MD; Gregory Hall BS; Joseph Zuckerman MD
    *NYU Hospital for Joint Diseases, New York, NY
    1New York University, New York, NY

12. Massive Rotator Cuff Tears in Active Patients with Minimal Glenohumeral Arthritis: Clinical and Radiographic Analyses of Reconstruction using Dermal Tissue Matrix Xenograft
    Anil K. Gupta MD, MBA; Kevin Hug BS; David Berkoff MD; Blake Boggess MD; Molly Gavigan JD, RN; Alison P. Toth MD
    *Duke University Medical Center, Durham, NC

13. Cost Effectiveness of Rotator Cuff Surgery
    Arvind von Keudell MD; Laurence D. Higgins MD; Jon J. Warner MD; Nittin Jain MBBS, MSPH
    *Brigham and Women’s Hospital, Boston, MA
    1Massachusetts General Hospital, Boston, MA
    2Harvard University, Cambridge, MA

    Stephen C. Weber MD; Donald C. Torrey PT; Edward Nickerson PT
    *Sacramento Knee & Sports Medicine Center, Sacramento, CA

15. The Effect of Concomitant SLAP Repair on Outcomes of Arthroscopic Rotator Cuff Repair
    Ralph F. Henn MD; Kaitlin M. Carroll BS; Thomas O’Donnell BS; Graham Frankel BS; Thomas J. Gill MD
    1University of Maryland School of Medicine, Dept of Orthopaedics, Baltimore, MD
    2Massachusetts General Hospital, Boston, MA
    3Cornell Medical School, New York, NY

16. Prediction of Coracoid Thickness Using a Glenoid Width-Based Model: Implications for Bone Reconstruction Procedures in Chronic Anterior Shoulder Instability
    Karin Ljungquist MD; R. Bryan Butler MD; Julie Bishop MD
    *The Ohio State University, Columbus, OH
18 Biomechanical Analysis of Massive Rotator Cuff Tear Repairs: Extended Linked Repairs and Augmented Repairs
Olivier A. Van der Meijden MD; Coen A. Wijdicks PhD1;
Trevor R. Gaskill MD1; Kyle Jansson BS2; Peter J. Millett MD, MSc2
1Steadman Philippon Research Institute, Vail, CO
2Steadman Clinic, Vail, CO

19 Two Fixation Methods for Acromioclavicular Joint Reduction during Coracoclavicular Ligament Reconstruction:
A Biomechanical Analysis.
Brian Dierckman MD3; Harlan Starr MD3; Kyle E. Hammond MD3;
Spero G. Karas MD2
1Southern California Orthopaedic Institute, Van Nuys, CA
2Emory University, Atlanta, GA

20 A Biomechanical Comparison of Two Anatomical CC Ligament Reconstructions After Complete AC Dislocation
Jeffrey S. Staron MD1; Amanda Esquivel PhD2; Jason D. Hanna MD3;
Nikhil G. Pandhi MD, MPH1; Stephen E. Lemos MD, PhD2
1Great Lakes Orthopedics and Sports Medicine, St. John, IN
2University of Iowa Hospitals and Clinics, Iowa City, IA
3University of Pennsylvania Health System, Philadelphia, PA

21 Cost Effectiveness Analysis of Early Reconstruction vs Rehabilitation and Delayed Reconstruction for ACL Tears
Richard C. Mather MD1; Carolyn Hettrich MD, MPH2;
Warren R. Dunn MD, MPH3; Charles A. Bush-Joseph MD1;
Bernard R. Bach Jr, MD4; Kurt P. Spindler MD1
1Duke University, Durham, NC
2University of Iowa Hospitals and Clinics, Iowa City, IA
3University of California, San Francisco, CA
4Vanderbilt Ortho Institute-Medical Center, East Nashville, TN

22 Gender Based Differences in Outcomes Following ACL Reconstruction In Soccer Athletes from MOON Cohort
Robert H. Brophy MD1; Leah M. Schmitz MPAS, PA-C2;
Rick W. Wright MD1; Kurt P. Spindler MD1; MOON Group Physicians
1Washington University Orthopedics, Chesterfield, MO
2University of Missouri, Columbia, MO

23 Non-Contact Anterior Cruciate Ligament Injuries: A Risk Prediction Tool
Greg A. Brown MD, PhD1; Samantha R. Brown1;
Daniel Pastorius BS2; Susan A. Adlis MS3; Elizabeth A. Arenst MD3;
Peter J. Fowler MD, FRCSC
1Park Nicolet Health Services, St. Louis Park, MN
2TRIA Orthopaedic Center, Bloomington, MN
3University of Minnesota, Minneapolis, MN

24 Use of a Fluoroscopic Overlay to Guide Arthroscopic ACL Reconstruction
Gele Moloney MD1; Paulo Araujo MD2; Gustavo A. Rincon MD3;
Xudong Zhang PhD1; Christopher D. Hamer MD2
1University of Pittsburgh Medical Center, Pittsburgh, PA
2Hospital San Jose, Bogota, Columbia

25 Military Movement Training Program Improves Jump Landing Mechanics Associated with ACL Injury Risk
Brett D. Owens MD4; Kenneth L. Cameron PhD, MPh, ATC5;
Michele L. Duffey MS6; Michael Duffey PhD6
1Keller Army Hospital, West Point, NY
2Pennsylvania State University, State College, PA
3University of North Carolina, Chapel Hill, NC
4Univ of MN Physicians Orthopaedic Surgery, Minneapolis, MN

26 Correlation between the Child Health Questionnaire and the International Knee Documentation Committee Score in Pediatric and Adolescent Patients with an Anterior Cruciate Ligament Tear
Robert E. Boykin MD1; Eric D. McFeely BA2; David Shearer MD3;
Jeremy S. Frank MD4; Christopher Harrod MD4;
Adam Y. Nasreddine MA2; Mininder S. Kocher MD, MPH3
1Massachusetts General Hospital, Boston, MA
2Children’s Hospital Boston, Boston, MA
3University of California, San Francisco, San Francisco, CA
4Joe DiMaggio Children’s Hospital, Hollywood, FL

27 Comparison of Tibial Tunnel Placement using Independent Femoral Tunnel Drilling and Transtibial Tunnel Drilling Techniques
Kostas J. Economopoulos MD1; Marc Tompkins MD2;
Cree M. Gaskin MD3; Matthew D. Millewski MD2; Joshua C. Hamann MD3;
Stephen F. Brockmeier MD1; Joseph M. Hart PhD4; Mark D. Miller MD2
1University of Virginia Health Systems, Charlottesville, VA
2TRIA/University of Minnesota, Bloomington, MN
3Children’s Hospital Los Angeles, Los Angeles, CA
4Children’s Hospital Orange County, Orange, CA

28 Variability in ACL Tunnel Placement
Brian R. Wolf MD, MS1; Austin J. Ramme BA1; Carla L. Britton PhD1;
Nicole M. Grosland PhD1; Annunziato Amendola MD1;
MOON Group Physicians
1University of Iowa Hospitals and Clinics, Iowa City, IA

29 Tibial Plateau Surface Topography is a Strong Predictor of the Risk of Anterior Cruciate Ligament Injury for Both Healthy and Reconstructed Knees
Javad Hashemi PhD1; Ryan Breighner MS2; Hossein Mansouri PhD1;
Bruce D. Beynnon PhD3; James R. Slauterbeck MD3
1Florida Atlantic University, Boca Raton, FL
2Texas Tech University, Lubbock, TX
3University of Vermont College of Medicine, Burlington, VT

30 Do Bacterial Biofilms Play a Role in ACL Reconstruction Failure?
Patrick J. DeMeo MD1; Sameer Jain MD2; William Costerton PhD3;
Gregory T. Altman MD4
1Allegheny General Hospital, Pittsburgh, PA
2Singer Research Institute, Pittsburgh, PA

31 Assessing Tunnel and Graft Position Between Failed and Successful ACL Reconstructions: Correlation of Postoperative Radiographic Measurements
Gene R. Barrett MD1; Przemyslaw M. Kamien MD2; Joseph Ingrum BS3;
William H. Reploge PhD4; Josie Hydtrick BS1
1Mississippi Sports Medicine and Orthopaedic Center, Jackson, MS
2University of Mississippi Health Care, Jackson, MS

Lower Extremity

21 Cost Effectiveness Analysis of Early Reconstruction vs Rehabilitation and Delayed Reconstruction for ACL Tears
Richard C. Mather MD1; Carolyn Hettrich MD, MPH2;
Warren R. Dunn MD, MPH3; Charles A. Bush-Joseph MD1;
Bernard R. Bach Jr, MD4; Kurt P. Spindler MD1
1Duke University, Durham, NC
2University of Iowa Hospitals and Clinics, Iowa City, IA
3University of California, San Francisco, CA
4Vanderbilt Ortho Institute-Medical Center, East Nashville, TN

22 Gender Based Differences in Outcomes Following ACL Reconstruction In Soccer Athletes from MOON Cohort
Robert H. Brophy MD1; Leah M. Schmitz MPAS, PA-C2;
Rick W. Wright MD1; Kurt P. Spindler MD1; MOON Group Physicians
1Washington University Orthopedics, Chesterfield, MO
2Cleveland Clinic Sports Health, Cleveland, OH
3Washington University School of Medicine, Saint Louis, MO
4Vanderbilt Ortho Institute-Medical Center, East Nashville, TN

23 Non-Contact Anterior Cruciate Ligament Injuries: A Risk Prediction Tool
Greg A. Brown MD, PhD1; Samantha R. Brown1;
Daniel Pastorius BS2; Susan A. Adlis MS3; Elizabeth A. Arenst MD3;
Peter J. Fowler MD, FRCSC
1Park Nicolet Health Services, St. Louis Park, MN
2TRIA Orthopaedic Center, Bloomington, MN
3University of Minnesota, Minneapolis, MN
4Fowler Kennedy Sport Medicine Center, London, ON, Canada

24 Use of a Fluoroscopic Overlay to Guide Arthroscopic ACL Reconstruction
Gele Moloney MD1; Paulo Araujo MD2; Gustavo A. Rincon MD3;
Xudong Zhang PhD1; Christopher D. Hamer MD2
1University of Pittsburgh Medical Center, Pittsburgh, PA
2Hospital San Jose, Bogota, Columbia
Lower Extremity (cont.)

32 Evaluation of the Femoral Tunnel Characteristics Using Either Flexible or Straight Reams Through a Medial Portal During ACL Reconstruction
Pascal S. Christel MD, PhD; William G. Ciancy Jr, MD; Francois Anne MD; David Appleby MPH
1Habib Medical Center, Olaya, Riyadh, Saudi Arabia
2University of Wisconsin-Madison, Madison, WI
3Hospital Privé Paul d’Egine, Champigny sur Marne, France
Smith & Nephew, Andover, MA

33 The Effect of Cyclic Axial Loading on Tendon-Bone Healing and Remodeling at the Tendon-Bone Interface in an In-Vivo Animal Model
Clifford Voigt MD; John M. Solic MD; Richard Ma MD; Michael C. Ciccotti BA; Carl Imhauser PhD; Saadq F El-Amin MD, PhD; Frank A. Petrigliano MD; Mark Stasiak BS; Xiang-Hua Deng MD; Scott A. Rodeo MD
1Hospital for Special Surgery, New York, NY
2Triangle Orthopaedic Associates, Durham, NC
3Rothman Institute, Philadelphia, PA
4Southern Illinois University School of Medicine, Springfield, IL
5University of California, Los Angeles, Los Angeles, CA

34 Serial MRI of the Anterior Cruciate Ligament (ACL) Reconstructed Knee—Longitudinal Assessment of ACL Grafts, Donor Sites, and the Lateral Compartment over 2 years with Clinical Correlation
Demetris Delos MD; Alexander E. Weber MD; Alix J. Fox MSC; Yoshimi Endo MD; Katherine B. Vadasdi MD; John Cavanaugh PT, ATC; Hollis G. Potter MD; Scott A. Rodeo MD
1Hospital for Special Surgery, New York, NY
2Rothman Institute, Philadelphia, PA
3University of California, Los Angeles, Los Angeles, CA
4Smith & Nephew, Andover, MA

35 Viscosupplementation Improves Short-term Proteoglycan Content in Superficial Knee Cartilage by T1 rho MRI: Implications for Disease Modifying Capacity
Roshan Shah MD; Jeffrey Stambough MD; Matthew Fenty BS; Kimberly Carm-Louis MBA; Robert Mauck PhD; John D. Kelly IV MD; Ravinder Reddy PhD; Fotos P. Tjoumakaris MD
1University of Pennsylvania, Philadelphia, PA
2Orthopaedic and Neurosurgery Specialists PC, Greenwich, CT

36 Prospective Comparison of Intraarticular Morphine and Bupivacaine for Postoperative Pain Management in Knee Arthroscopy
Hussein Elkousy MD; Vijayaraj Kannan MS (Ortho); Juliette Zumwalt PA-C; Daniel P. O’Connor PhD; G. W. Woods MD
1Fondren Orthopedic Group, Houston, TX
2University of Texas-Houston Health Sciences Center, Chennai, TX
3Joe W. King Orthopedic Institute at Texas Orthopedic Hospital, Houston, TX

37 Demographics and Current Trends in the Surgical Treatment of Articular Cartilage Defects of the Knee
Scott R. Montgomery MD; Brock D. Foster BS; Stephanie S. Ngo BA; Jeffrey C. Wang MD; Frank A. Petrigliano MD; David R. McAllister MD
1University of California, Los Angeles, Los Angeles, CA

38 Lateral Meniscus Tears in the High-Level Athlete
Harlan Starr MD; James Simmons ATC; Kyle E. Hammond MD; John W. Xerogeanes MD
1Emory University, Atlanta, GA

39 Normative Values for a Young Athletic Population on the KOOS and WOMAC: History of Knee Ligament Injury is Associated with Lower Scores
Kenneth L. Cameron PhD, MPH, ATC; Brandon S. Thompson MS; Karen Y. Peck MD, ATC; Brett D. Owens MD; Stephen W. Marshall BSc, DAgSc, PhD; Steven J. Svoboda MD
1Keller Army Hospital, West Point, NY
2United States Military Academy, West Point, NY
3University of North Carolina Department of Epidemiology, Chapel Hill, NC

40 First Time Patellofemoral Dislocation in Pediatric and Adolescent Patients
Laura W. Lewallen MD; Amy L. McIntosh MD; Diane L. Dahm MD
1Mayo Clinic, Rochester, MN

41 Platelet-Rich Plasma as a Treatment for Patellar Tendinopathy: A Double-blind Randomized Controlled Trial
Jason L. Dragoo MD; Amy S. Wasterlain BA; Hillary J. Braun BA
1Stanford University, Palo Alto, CA

42 Anatomic Transtibial ACL Reconstruction: Effect of Tunnel Placement, Size and Reamer Characteristics
Sanjeev Bhatia MD; Kyle Korth BS; Geoffrey S. Van Thiel MD, MBA; Deepti Gupta BS; Emery C. Lin BA; Brian J. Cole MD, MBA; Nikhil N. Verma MD; Bernard R. Bach Jr, MD
1Rush University Medical Center, Chicago, IL

43 Gait Deviations Occur at 1 Year After ACL Reconstruction Regardless of Return to Sport Status at 6 Months
Kathleen White PT, DPT; Lynn Snyder-Mackler PhD
1University of Delaware, Newark, DE

44 Biomechanical Analysis of Femoral Suspensory Fixation Devices: A Practical Comparison
Jeffrey A. Brunelli MD; Todd Baldini MS; Lucas S. Rylander MD; Byron Ellis BS; Michal L. Taylor MD; Monica Hawkins PhD; Eric C. McCarty MD
1University of Colorado, Denver, Denver, CO
2Orthopedic Center of Illinois, Springfield, IL
3CU Sports Medicine, Univ. of Colorado School of Medicine, Boulder, CO
4Stryker Orthopedics, Mahwah, NJ

45 ACL Reconstruction Femoral Tunnel Characteristics Using an Accessory Medial Portal vs Traditional Transtibial Drilling
Marc Tompkins MD; Christopher Cosgrove BS; Matthew D. Milewski MD; Stephen F. Brockmeier MD; Joseph M. Hart PhD; Mark D. Miller MD
1University of Virginia Health Systems, Charlottesville, VA

46 Interference Screw Divergence with the use of a Flexible Reamer during Anatomic Anterior Cruciate Ligament Reconstruction
David M. Epstein MD; Edward W. Cheung DO; Imran Ashraf MD; Malachy P. McHugh PhD; Aruna M. Seneviratne MD; Stephen J. Nicholas MD
1Lenox Hill Hospital, New York, NY
2Nicholas Institute of Sports Medicine and Athletic Trauma, New York, NY
3NY Orthopedics, New York, NY
4NY Orthopedics, New York, NY
54 Cost Effectiveness Analysis of Early Surgery vs Nonoperative Treatment with Optional Delayed Surgery for Femoroacetabular Impingement

Richard C. Mather MD1; Jaskarndip Chahal MD, FRCSC1; John G. Kennedy MD, MCh, MMCs, FRCS (ortho)1; Niall A. Smyth MD1; Tyler J. Beckley DO1; Josh R. Blomberg MD1; James S. Keene MD1; Karl F. Bowman MD1; Steven B. Cohen MD2; James P. Bradley MD1
1University Hospitals Case Medical Center, Cleveland, OH
2Rush University Medical Center, Chicago, IL
3Cornell Institute for Biotechnology and Life Science Technologies, Ithaca, NY
4University of Wisconsin Hospitals & Clinics, Madison, WI
5Steadman Philippon Research Institute, Vail, CO

All poster abstracts are available at www.sportsmed.org/AnnualMeeting2012
Thursday, July 12, 2012

IC101 Room 328
Arthroscopy of the Elbow: Tips, Tricks and Pitfalls of Advanced Procedures
Felix H. Savoie III, MD (New Orleans, LA); Scott Joshua Szabo MD (Pittsburgh, PA); Larry D. Field MD (Ridgeland, MS); Champ L. Baker Jr, MD (Columbus, GA); John E. Conway MD (Fort Worth, TX)

This course is designed for the sports medicine physician who is seeing these common athletic elbow injuries that are best managed by arthroscopic surgery in their practice. An overview of pertinent anatomy with the associated risks is followed by a series of lectures on these topics discussing evaluation, indications, procedures that may be performed, and the risks associated with the procedure. Each speaker will discuss expected results. The primary focus of this IC is to help the participants know what new technology is available to help them improve their athletic elbow population via arthroscopic techniques.

Objectives:

Upon completion of this instructional course, learners should be able to:

- Understand relevant anatomy of the elbow, including proximity of the neurovascular structures and how to protect them
- Understand the proper indications for arthroscopy in these disorders and its advantage, and disadvantage as compared to open surgery
- Feel comfortable with advanced arthroscopic surgical procedures
- Be cognizant of the expected benefits, results and potential complications of treating these common athletic injuries

IC102 Room 327
CASE-BASED: Treatment of Knee Cartilage Defects
Brian J. Cole MD, MBA (Chicago, IL); Jack Farr II, MD (Bargersville, IN); Scott D. Gillogly MD (Atlanta, GA)

A concise overview of the decision-making and available treatment options for cartilage disease in 2012 will be presented. The evaluation and treatment of patients who present with a number of co-morbidities who are typically considered salvage candidates will also be provided. A summary of the clinically relevant treatment options that are on the two to five year horizon will be presented. Approximately half of the IC will focus on case-based learning to allow the panel and participants to weigh in on the decision-making related to patients presenting with articular cartilage disease and co-morbidities.

Objectives:

Upon completion of this instructional course, learners should be able to:

- Develop a working treatment plan through didactics and case-based learning for the management of symptomatic articular cartilage disease
- Recognize and understand how to manage co-morbidities associated with chondral disease such as malalignment, meniscal deficiency and ligament deficiency
- Understand the existing limitations of contemporary treatment options and the landscape of emerging technology

new this year!

The AOSSM 2012 Annual Meeting Instructional Courses have gone online. There will no longer be hard copy handouts distributed to IC registrants on site.

IC registrants, including those who register in Baltimore, can login onto www.sportsmed.org to view all materials in their My AOSSM tab.

Registrants can also purchase the handouts for all 27 Instructional Courses via the website or onsite at the registration desk for $60.
CASE-BASED: Treatment of Patellofemoral Pain, Chondrosis, and Arthritis

Elizabeth A. Arenrd MD (Minneapolis, MN); Christian Lattermann MD (Lexington, KY); David DeJour MD (Lyon, France); Karl F. Almqvist MD, PhD (Gent, Belgium)

Faculty will provide an overview of the spectrum of treatment options for patellar pain due to early patellofemoral osteoarthritis in the knee joint. Evaluation and management of isolated chondral lesions of the patella/ trochlea will be presented. We will discuss the limitations of patellofemoral treatment for early osteoarthritis and appraisal of outcomes. The future trends in treatment of patellofemoral cartilage injury and arthritis will be assessed.

Objectives:
Upon completion of this instructional course, learners should be able to:
- Develop a treatment algorithm for the management of specific clinical scenarios related to symptomatic articular cartilage disease in the patellofemoral joint, including physical therapy
- Have familiarity with the imaging tests that aide in the diagnosis and surgical planning for these PF conditions
- Understand the limitations and benefits of contemporary treatment options for isolated chondral injury within the landscape of emerging technology

AOSSM gratefully acknowledges an educational grant from Flexion Therapeutics in support of this Instructional Course.

Treatment of Patellofemoral Pain, Chondrosis, and Arthritis

Elizabeth A. Arenrd MD (Minneapolis, MN); Christian Lattermann MD (Lexington, KY); David DeJour MD (Lyon, France); Karl F. Almqvist MD, PhD (Gent, Belgium)

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Objectives:
Upon completion of this instructional course, learners should be able to:
- Develop a treatment algorithm for the management of specific clinical scenarios related to symptomatic articular cartilage disease in the patellofemoral joint, including physical therapy
- Have familiarity with the imaging tests that aide in the diagnosis and surgical planning for these PF conditions
- Understand the limitations and benefits of contemporary treatment options for isolated chondral injury within the landscape of emerging technology

AOSSM gratefully acknowledges an educational grant from Flexion Therapeutics in support of this Instructional Course.

Athletic Neurotrauma: New Concepts

Barry P. Boden MD (Rockville MD); Kevin Guskievitch PhD, ATC (Chapel Hill, NC); David Klossenner PhD, ATC (Indianapolis, IN); Joseph S. Torg MD (Philadelphia, PA)

This course will present a state of the art review of concussions and catastrophic head injuries in sports. The authors will review the epidemiology, mechanisms of injury, new concepts on pathophysiology, injury susceptibility profiles, management (case-based), and preventive strategies for head injury. NCAA best practices, policies, and education will be discussed with particular attention to return to play guidelines.

Objectives:
Upon completion of this instructional course, learners should be able to:
- Evaluate the epidemiology and mechanisms of injury for concussions and catastrophic head injuries in high-risk sports
- Understand the on-field, locker room, and long-term management of concussions based on NCAA guidelines
- Reassess prevention of head injuries through helmet modifications, injury profile of the at-risk athlete, rule changes, and on-field preparedness for a catastrophic injury

AOSSM gratefully acknowledges an educational grant from Smith & Nephew in support of this Instructional Course.

Better manage their use of PEs from a financial and business standpoint

To submit an online Instructional Course proposal for the AOSSM 2013 Annual Meeting, please visit www.sportsmed.org by August 31, 2012.
Thursday, July 12, 2012 (cont.)

IC108 Ballroom III
Controversy in Primary ACL Reconstruction: Can We Believe What We Are Taught?
Daniel E. Cooper MD (Dallas, TX); Bernard R. Bach Jr, MD (River Forest, IL); William G. Clancy Jr, MD (Verona, WI); Kurt P. Spindler MD (Nashville, TN)
Increasingly numerous surgical techniques and grafts for ACL reconstruction are promoted to surgeons by industry and surgeon advocates. The objective of this IC is to call into question many popular statements and practices in primary ACL surgery, establish a foundation of accepted principles and point out principles that should be scrutinized. The instructor panel is comprised of four experienced clinician researchers who will present data from the NFL experience, MOON Study, clinical literature review, principles of evidence based medicine, and the anatomical and biomechanical basis for ACL surgery. Course participants will have ample discussion time to ask questions of the faculty.

Objectives:
Upon completion of this instructional course, learners should be able to:
- Review accepted principles in ACL surgery
- Identify questionable principles in ACL surgery

IC109 Room 340
How About That Biceps Tendon?
Peter B. MacDonald MD, FRCS (Winnipeg, MB Canada); Richard J. Hawkins MD, FRCS (Greenville, SC); John M. Tokish MD (Honolulu, HI); Michael Kisslenberth MD (Simpsonville, SC)
This instructional course will feature basic science along with associated pathologies such as massive rotator cuff tears and the treatment, tenotomy vs tenodesis in various techniques of biceps tenodesis.

Objectives:
Upon completion of this instructional course, learners should be able to:
- Understand basic science and biomechanics of biceps function
- Understand surgical technique and associated pathologies
- Understand indications for tenotomy vs tenodesis

Friday, July 13, 2012

IC201 Room 321–323
The Land of Ligaments: Navigating Sprains, Strains, and Ruptures About the Foot and Ankle
Steven L. Haddad MD (Glenview, IL); David A. Porter MD, PhD (Fishers, IN); Mark S. Myerson MD (Baltimore MD)
This course will delve into the simple and complex injuries that athletes face to the syndesmosis, lateral collateral ligaments, deltoid ligament, and Lisfranc ligament. We will look at confounding factors concerning pre-existing anatomy that may adversely influence the outcome of technically well-done ligament repairs. We will discuss appropriate management of these factors, and understand determining factors in employing this additional correction. We will outline through video techniques to correct both acute and chronic athletic injuries to these ligaments. Through both a didactic and case-based approach, the participant will master diagnostic and management strategies to achieve optimal reconstruction and appropriate return-to-play.

Objectives:
Upon completion of this instructional course, learners should be able to:
- Understand the basic science behind ligament development, injury, and repair, and its applicability towards treatment options
- Understand diagnosis and treatment of syndesmotic injuries, lateral collateral ligament injuries, deltoid ligament injuries, and Lisfranc ligament injuries with the goal of return to play with anatomic function
- Recognize through case presentations the sequelae of lack of early and appropriate management, and how to salvage these complicated patients

IC202 Room 328
Helmets, Bracing, and Taping – Do They Prevent Athletic Injury?
Robert A. Gallo MD (Palmyra, PA); Brian T. Feeley MD (San Francisco, CA); Wayne J. Sebastianelli MD (State College, PA); William N. Levine MD (New York, NY)
Protective athletic equipment, such as helmets and braces, are widely used among athletes to prevent and/or reduce the severity of injury. The purpose of this course is to present the scientific evidence that supports or refutes the efficacy of helmets, collars, braces, and taping in limiting injury risk.

Objectives:
Upon completion of this instructional course, learners should be able to:
- Understand the role of helmet design modifications and other equipment, such as mouthpieces, in limiting rate and severity of concussions
- Discuss the various types of athletic knee braces and their utility in preventing injury and/or providing protection following ACL reconstruction
- Recognize the effectiveness of ankle and shoulder bracing and/or taping in reducing the incidence and severity of instability episodes

IC203 Ballroom III
Rotator Cuff Controversies
Richard J. Hawkins MD, FRCS (Greenville, SC); Theodore F. Schlegel MD (Greenwood Village, CO); John E. Kuhn MD (Nashville, TN); Neal S. ElAttrache MD (Los Angeles, CA)
Controversial issues surrounding rotator cuff tears will be addressed during this course. The speakers will address biology of cuff healing past, present and future, including the role of PRP, stem cells and scaffolding. When not to operate, when to operate, and the options comparing techniques such as single vs double row along with outcomes are included. The work up with history, physical exam and imaging will help the participant appreciate their influence on cuff problem decision making. Case presentations will address controversies related to the biceps, decompression, SLAPs, dislocations and include cost issues. The AAOS guidelines for cuff problems will be included.

Objectives:
Upon completion of this instructional course, learners should be able to:
- Understand an approach to dealing with these controversial issues, when and who to fix, and what technique
- Appreciate the cost implications and the outcome expectations
- Appreciate where we are headed with cuff problems in the future

AOSM gratefully acknowledges an educational grant from Stryker in support of this Instructional Course.
IC204  
**CASE-BASED:** Surgical Management of Failed ACL Surgery  
Christopher D. Harner MD (Pittsburgh, PA); Robert A. Arciero MD (Farmington, CT); David R. Diduch MD (Charlottesville, VA)

Failed ACL surgery remains a significant problem and challenge in athletes. We will use a case-based approach to cover the most current strategies on evaluation and management of athletes who have suffered this injury.

Objectives:  
Upon completion of this instructional course, learners should be able to:  
- Identify the causes of ACL graft failure and develop treatment plans  
- Describe surgical treatment strategies and techniques  
- Discuss post-op rehabilitation, return-to-play guidelines, and expected outcomes

AOSSM gratefully acknowledges an educational grant from **stryker** in support of this Instructional Course.

IC205  
**Ethical Considerations in Sports Medicine**  
Matthew J. Matava MD (Chesterfield, MO); James D. Capozzi MD (Garden City, NY); Nancy M. Cummings MD (Farmington, ME)

This course will address a number of unique ethical challenges encountered with the care of the injured athlete. This IC will use a case-based format to illustrate various ethical issues in sports medicine dealing with informed consent, return to play decisions, confidentiality, autonomy, and physician advertising, among others. Participants will develop an approach to these controversial areas based on the principles of medical ethics.

Objectives:  
Upon completion of this instructional course, learners should be able to:  
- Understand the general principles of medical ethics and methods to incorporate these principles into a sports medicine practice  
- Illustrate several unique clinical situations relevant to the practice of sports medicine that necessitate various ethical considerations

IC206  
**Lower Extremity Fractures in Sports Medicine: An Update**  
Marlene DeMaio MD (Portsmouth, VA); Craig S. Roberts MD (Louisville, KY); Robert Gaines MD (Portsmouth, VA)

The IC will highlight contemporary approaches to the operative treatment of lower extremity fractures in adults and children. Principles and surgical strategies will be compared, including intra-medullary nails vs locked plating for metaphyseal femoral and tibial fractures, with the goal of early return to activities and sports. Applications of these techniques to unique perioperative fractures associated with knee reconstruction will also be discussed.

Objectives:  
Upon completion of this instructional course, learners should be able to:  
- Discuss and select contemporary operative treatment of lower extremity fractures in adult and children  
- Understand current applications of locked plating of metaphyseal fractures of the distal femur and proximal tibia  
- Apply contemporary surgical strategies for the internal fixation of perioperative fractures associated with knee ligament reconstructions

IC207  
**CASE-BASED:** Diagnosis and Management of Juvenile Osteochondritis Dissecans  
Carl W. Nissen MD (Farmington, CT); Theodore J. Ganley MD (Philadelphia, PA); Allen F. Anderson MD (Nashville, TN); Mark V. Paterno PhD, PT, ATC (Cincinnati, OH)

This course will utilize a case-based approach to explain the current steps in the diagnosis, treatment, rehabilitation, and prognosis of OCD lesions in the knee and elbow in skeletally immature patients. The treatment of OCD’s in skeletally immature patients is evolving due to an increase in the understanding of this condition. The OCD Study Group has established classification systems to help with determining the diagnosis and prognosis of specific lesions. These classification systems will be presented along with cases to illustrate how the classification systems may facilitate a rational approach to diagnosing and treating OCDs.

Objectives:  
Upon completion of this instructional course, learners should be able to:  
- Understand the steps necessary in diagnosing OCD’s of the knee and elbow in the skeletally immature athlete  
- Understand the AAOS OCD treatment guidelines and the OCD study group proposed classification systems and their relevance to treatment decisions and prognosis  
- Understand the basic steps in OCD treatment decisions and rehabilitation principles

IC208  
**Social Media 101: Why You Should Join the Conversation and How to Get Started**  
C. David Geier Jr, MD (Mount Pleasant, SC); Kevin Marberry MD (Kirkville, MO); Sabrina M. Strickland MD (New York, NY); Jack Benson (Washington, DC)

This instructional course, proposed as a collaboration of the AOSSM Public Relations and Technology Committees, intends to educate orthopaedic surgeons and other sports medicine providers about social media. Orthopaedic surgeons and a marketing consultant will discuss how it can be incorporated into an effective marketing strategy and how it can be used to educate athletes, coaches, and parents. We will also introduce the most popular social media sites, especially Twitter and Facebook, and demonstrate the basics to get started.

Objectives:  
Upon completion of this instructional course, learners should be able to:  
- Understand how social media can be effective for educating the public about sports injuries and treatments and marketing a sports medicine practice  
- Understand the basics of Twitter and Facebook, the key components of each, and how they can be incorporated into a social media strategy  
- Discover technology, applications, and software that can help physicians communicate with the public and their patients

IC209  
**MRI–Arthroscopy Correlation**  
Stephen F. Brockmeier MD (Charlottesville, VA); Mark D. Miller MD (Charlottesville, VA); Marc R. Safran MD (Palo Alto, CA); Hollis G. Potter MD (New York, NY)

This course presents the basics of MRI and arthroscopic of each major joint, using illustrative cases to compare MRI and arthroscopic images and correlate them. The course is structured anatomically, focusing on the shoulder, knee, hip, and elbow, with emphasis on potential “pitfalls” and MRI interpretation “pearls”. It employs an educational model that is predictive in nature and encourages audience interaction supported by a format that is largely case-based. For each case that is introduced, faculty present the specific MRI findings, with the focus on providing the surgeon a ”road map” for what he or she will need to look for during arthroscopy. Course attendees are asked to evaluate the range of possible diagnoses and how they are aligned to the two physician populations — orthopaedists and radiologists. Concluding discussion focuses on the arthroscopic findings and an evaluation as to how they correlate to the findings predicated on the reading of the MRI.

Objectives:  
Upon completion of this instructional course, learners should be able to:  
- Recognize MRI findings of common injuries and conditions of the knee, shoulder, hip, and elbow  
- Optimize their utilization of MRI imaging to improve patient outcomes  
- Identify essential knowledge and tools to enhance communication between the orthopaedist and radiologist populations
Saturday, July 14, 2012

IC301  Room 337–338
CASE-BASED:  Game Day Decisions—How to Keep Them In the Game and Off The Sideline!

Russell F. Warren MD (New York, NY); Daniel E. Cooper MD (Dallas, TX); Walter R. Lowe MD (Houston, TX); Ronnie P. Barnes MS, ATC (East Rutherford, NJ)
This case-based course will focus on real-world examples of the treatment of “in-season” injuries and how we treat them. Presenters will stress decision making and treatment strategies of commonly seen orthopedic injuries one encounters as an orthopedic team physician at the high school, collegiate, and professional level. Cutting edge treatment strategies will be given that enable an athlete to safely return to competition in a timely manner when “no play” or season ending surgery is not an option.

Objectives:
Upon completion of this instructional course, learners should be able to:
- Understand the commonly seen injuries one encounters as an orthopedic team physician, and complete use of all modalities to accurately make an effective diagnosis in a timely manner
- Understand the diagnostic techniques and principles for the most effective efficient treatment that allows for treatment, rehabilitation and return to play as soon as possible
- Understand the effectiveness and risks of these treatment strategies and modalities as they apply to safe participation in sports and re-injury

IC302  Room 324–326
Elbow Ligament Injuries in Throwing Athletes
Christopher S. Ahmad MD (New York, NY); Jeffrey R. Dugas MD (Birmingham, AL); Michael G. Cicotti MD (Philadelphia, PA); George A. Paletta Jr. MD (Chesterfield, MO)

This course will address elbow ligament injuries common to the throwing athletes. Emphasis will be placed on biomechanics of injury, diagnosis, and treatment. New surgical MCL reconstruction techniques will be presented including the docking and hybrid fixation techniques. Associated injuries, including valgus extension overload and olecranon stress fractures will be covered. Lastly, complex issues such as avulsion injuries in young athletes and complications of MCL reconstruction such as evaluation and management of pain during the MCL reconstruction rehabilitation process will be covered. Several simple and challenging cases will be presented to the faculty to illustrate and provide practical information to attendees.

Objectives:
Upon completion of this instructional course, learners should be able to:
- Understand the unique biomechanics affecting elbow ligament injuries in throwing athletes
- Accurately recognize and diagnose elbow MCL injuries, valgus extension overload, and olecranon stress fractures
- Understand standard MCL reconstruction technique
- Understand new MCL reconstruction techniques
- Diagnose and treat olecranon stress fractures
- Diagnose and treat MCL injuries in youth athletes
- Diagnose and manage complications associated with MCL reconstruction

IC303  Room 321–323
CASE-BASED:  Treatment of Posterior Cruciate Injuries and Knee Dislocations
Mark D. Miller MD (Charlottesville, VA); David R. McAllister MD (Los Angeles, CA); Bruce A. Levy MD (Rochester, MN)
This course will propose several different treatment approaches for knee multiple ligament injuries using a case-based approach. Following three introductory lectures (diagnosis, classification and initial management; ACL-PCL reconstruction; and MCL/PCL and LCL/PCL repair/reconstruction) the lecturers will present cases of various different knee MLI injuries. Participation by the panel and audience is encouraged.

Objectives:
Upon completion of this instructional course, learners should be able to:
- Describe the classification of multiple ligament injuries and important points in the early management of these patients
- Discuss advantages and disadvantages of early vs delayed treatment for various multiple ligament knee injuries
- Describe different techniques for repair and/or reconstruction of various multiple ligament knee injuries

IC304  Room 340
Hand and Wrist Injuries in the Athlete: What the Team Physician Needs to Know
Timothy R. McAdams MD (Palo Alto, CA); Arthur C. Rettig MD (Indianapolis, IN); Steven S. Shin MD (Los Angeles, CA)

Common hand and wrist injury clinical cases will be presented by faculty. We will include injuries encountered by the general sports medicine team physician. Decisions regarding return to play and when to refer to a hand specialist will be discussed. Clinical cases will be reviewed by the speakers all of whom are currently involved in the care of professional athletes.

Objectives:
Upon completion of this instructional course, learners should be able to:
- Understand the anatomy and pathophysiology of common hand and wrist injuries in the athlete
- Make decisions concerning when to refer a hand or wrist case to a specialist or to manage the case him/herself
- Make educated return to play decisions in the best interest of the athlete

IC305  Room 328
Adolescent Knee
Mininder S. Kocher MD, MPH (Boston, MA); Matthew J. Matava MD (Chesterfield, MO); Theodore J. Ganley MD (Philadelphia, PA); Kevin G. Shea MD (Boise, ID)

The purpose of this course is to equip the clinician with contemporary treatment algorithms that can be utilized to treat the common knee injuries encountered in growing athletes. This course will examine the pathoanatomy, diagnosis, and treatment of commonly encountered conditions including ACL injury, patellar instability, osteochondritis dissecans, and meniscal pathology unique to this immature population of athletes.

Objectives:
Upon completion of this instructional course, learners should be able to:
- Understand traditional treatment concepts, as well as the basis for emerging trends in the treatment of ACL injury, patellar instability, osteochondritis dissecans, and meniscal pathology in growing athletes
- Recognize the pathoanatomy of these conditions and the basis for emerging surgical algorithms
- Implement treatment strategies in one’s practice that are consistent with contemporary treatment protocols
Upon completion of this course, learners should be able to:

Objectives:
- Understand the differences in men's and women’s lacrosse and how this affects injury types, mechanisms, and necessary protective equipment.
- Recognize the priority sports medical issues facing lacrosse such as: game specific head/face protection, youth specific rules and contact limitations, specific mechanisms and reduction of knee and ankle injuries, rules enforcement and coaching techniques to decrease injury.
- Identify the growing body of knowledge and recently published literature specific to lacrosse sports medicine.
- Recognize US Lacrosse’s proactive efforts in injury research/education and in its partnering with the sports medicine community to make lacrosse a safer game.

Lacrosse is the oldest and currently fastest growing team sport in North America. The game's combination of speed, contact, sticks, and ball make for a unique set of injury types and mechanisms. The sport's historical context, rapid expansion, and inherent differences in the men’s and women’s games have resulted in an interesting set of sports medicine issues. These include appropriate head/face protection in the women's game, limiting contact in the youth game, focused rules and equipment changes to decrease game specific injury mechanisms. This course will bring together a nationally recognized set of experts who are active with US Lacrosse (the national governing body of men’s, women’s, and youth lacrosse) and AOSSM to overview the growing body of lacrosse specific sports medicine knowledge. The information presented at this course is important to the practical solutions to complex shoulder problems after failed shoulder surgery will be discussed. The course will feature a case based theme.

Objectives:
- Upon completion of this instructional course, learners should be able to:
  - How to get it right the first time and what to do if you don’t.
  - Identify the cause of failure shoulder surgery and develop practical solutions to unique complex issues.
  - Describe surgical treatment strategies and techniques that will help improve results and prevent failures.
  - Discuss post-op rehabilitation and expected clinical outcomes.

Failed Shoulder Surgery – Practical Solutions to Complex Problems

IC307

Edited Shoulder Surgery – Practical Solutions to Complex Problems
Peter J. Millett MD, MSc (Vail, CO); Brian J. Cole MD, MBA (Chicago, IL);
Anthony A. Romeo MD (Chicago, IL)

Failed shoulder surgery presents many challenges for the treating surgeon. A successful shoulder surgery is dependent on many factors such as: proper indications, proper surgical technique and proper postoperative rehabilitation. There are modifiable and non-modifiable variables which can affect outcomes and sometimes lead to poor results. Revision cases often have multi-factorial causes, associated co-pathology, altered surgical tissue planes, poor tissue quality that all have to be addressed to optimize outcomes. This course will cover treatments options and reasons why surgeries fail. Instability, rotator cuff disease, and other common conditions will be discussed. Practical solutions to complex shoulder problems after failed shoulder surgery will be discussed. The course will feature a case based theme.

Objectives:
- Upon completion of this instructional course, learners should be able to:
  - Implement an algorithm in clinical practice for the treatment of clavicle fractures and AC joint injuries in an athletic population.
  - Understand the latest trends in the management of acute AC injuries, as well as minimally invasive and anatomic reconstructive techniques.
  - Recognize which clavicle fractures should be managed operatively and apply the latest techniques to appropriately fix these fractures.

Clavicle Fractures and AC Joint Injuries in the Athlete – Trends and Controversies

IC308

CASE-BASED:

Carl J. Basamania MD (Seattle, WA); Claude T. Moorman III, MD (Durham, NC);
W. Ben Kibler MD (Lexington, KY); John E. Kuhn MD (Nashville, TN)

The treatment of clavicle fractures and AC joint injuries has evolved over the past several years. This course will explore current trends and controversies in the treatment of these common injuries in athletes. Operative criteria and the latest options for the treatment of clavicle fractures will be discussed. Emerging concepts in the treatment of acute and chronic AC joint injuries will also be explored. Case presentation will be included in this didactic session to help demonstrate contemporary treatment algorithms for these injuries.

Objectives:
- Upon completion of this instructional course, learners should be able to:
  - Understand and be able to correctly identify and document specific levels of E&M services.
  - Understand specific coding rationales and bundling packages (GSD vs NCCI).
  - Appreciate the current climate of regulatory decisions affecting orthopaedic surgeons.

Practice Management - Coding

IC309

William R. Beach MD (Richmond, VA)

The purpose of this course is to teach/update physicians on E&M and surgical coding. This course introduces new codes and reviews the bundling packages associated with them.

Objectives:
- Upon completion of this instructional course, learners should be able to:
  - Understand and be able to correctly identify and document specific levels of E&M services.
  - Understand specific coding rationales and bundling packages (GSD vs NCCI).
  - Appreciate the current climate of regulatory decisions affecting orthopaedic surgeons.

Bruce Reider MD, Moderator
Rosemont, IL

Location: Hilton Baltimore Holiday Ballroom 1-3
Program Cost: Complimentary for AJSM and Sports Health reviewers
$40 for non-reviewers
Box lunch is included. All meeting attendees are eligible to participate.

Tissue repair and regeneration have become hot topics in orthopaedic sports medicine. The 2012 reviewers’ seminar will help participants critically evaluate papers in this field. Hollis Potter MD will educate us about the advanced imaging techniques used to assess cartilage damage and repair, while Jason Dragoo will help us understand some of the biologic approaches to tissue regeneration, such as PRP and adult stem cells, in current clinical use or development.

Quantitative MR Analysis of Articular and Fibrocartilage: Research Applications
Hollis G. Potter MD
New York, NY

The purpose of this session is to describe the background and utility of quantitative MR analysis in assessment of osteoarthritis and cartilage repair, using both clinical and preclinical models. Potential limitations will be discussed, which are important to consider when reviewing studies that apply these metrics as an outcome standard. New prototype pulse sequences, which provide the ability to directly measure relaxation parameters of short T2 species such as fibrocartilage, will also be discussed. The presentation will emphasize critical study design appropriate for utilizing imaging evaluation as an outcome measure. Additional discussion will focus on the appropriate choice of MR and coil systems for applied research methodology.

The Use of Adult Stem Cells in Clinical Practice: What is Available and Where do We Go from Here?
Jason Dragoo MD
Palo Alto, CA

The use of platelet rich plasma and adult stem cells in sports medicine is an intriguing method of treatment for cartilage and bone defects. This talk will summarize the currently available techniques from around the globe, and will include emerging topics such as inducible stem cells made from ordinary adult cells (iPS cells), applications of adipose and bone marrow derived stem cells, as well as second-generation PRP formulations. Attention will also be given to the unique challenges of reviewing regenerative therapy manuscripts, which are often based on animal models.
Friday, July 13, 2012
1:00–3:00pm

Young Sports Medicine Specialists’ Workshop
Are You Ready for Some Practice?

Location: Hilton Baltimore Key Ballroom 11-12
Program Cost: $60 per person
Register for this program at the AOSSM Registration Desk.
A light lunch/snack is included with the registration fee.

Statement of Need
AOSSM has determined a need for this live 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 five years of their fellowship.

Workshop Objectives
Upon completion of this workshop, learners should be able to:
• Formulate a game plan to balance personal and career goals
• Evaluate the judicious use of consultants
• Develop an appropriate practice model to meet ones needs
• Be aware of your ethical responsibilities in care of one’s patients and relationship with peers

Accreditation
AOSSM is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA/PRA
The American Orthopaedic Society for Sports Medicine designates this live educational 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 an educational grant from

Program Description
This program has been designed so that attendees will have a genuine opportunity to discuss meaningful practical issues—some that short presentations have generated and others that naturally arise. Come listen and interact with some top authorities in their field give perspectives on the practice of sports medicine. We hope to offer you some alternative thinking on topics of current interest.

• Challenges in Doing Research in a Private Practice
  W. Ben Kibler MD
• Ethics in Sports Medicine: An Oxymoron
  Mary Lloyd Ireland MD
• Utilizing Consultants to Evaluate and Improve Your Practice
  Jeff Brand MD
• Finding the Sweet Spot Between Professional and Personal Life
  John D. Kelly MD

The informal small groups give everyone involved an opportunity to benefit from shared universal experiences and proven solutions.

Faculty
Jeff Brand MD (Alexandria, MN)
Peter G. Gerbino II, MD (Monterey, CA)
Mark R. Hutchinson MD (Chicago, IL)
Mary Lloyd Ireland MD (Lexington, KY)
John D. Kelly MD (Philadelphia, PA)
Keith Kenter MD (Cincinnati, OH)
W. Ben Kibler MD (Lexington, KY)
Robert F. LaPrade MD, PhD (Vail, CO)
James H. Lubowitz MD (Taos, NM)
Chunbong Benjamin Ma MD (San Francisco, CA)
Edward G. McFarland MD (Lutherville, MD)
AOSSM Research Workshop

The Maturing Athlete: Breakthroughs in Understanding and Treating the Effects of Aging in Active Patients

Location: Key Ballroom 9 - 12, Hilton Baltimore
Program Cost: Complimentary
Walk-ins are welcome

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

Target Audience
Any individual who is interested in learning more about the treatment of the aging athlete.

Workshop Objectives
Upon completion of this workshop, learners should be able to:
- Describe the biological processes associated with normative aging in different tissues
- Describe the empirically-supported interventions for common problems in aging athletes
- Apply strategies for managing rehabilitation after arthroplasty in active adults
- Identify gaps in the current scientific understanding of aging and treatment options

Accreditations
AOSSM is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.
AOSSM is recognized by the Board of Certification, Inc. to offer continuing education for BOC Certified Athletic Trainers.

AMA/PRA
AOSSM Research Workshop: The Maturing Athlete: AOSSM designates this live activity for a maximum of 3.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

BOC/CEUs
AOSSM Research Workshop: The Maturing Athlete: This program has been approved for a maximum of 3.75 hours of Category A continuing education. BOC Certified Athletic Trainers are responsible for claiming only those hours actually spent participating in the continuing education activity.

BOC Approved Provider Number: P460

AGENDA

Review of the Biology of Aging
Muscle .......................... William E. Garrett Jr, MD, PhD
Tendon and Ligament ............... Jo A. Hannafin MD, PhD
Cartilage .......................... Constance R. Chu MD
Bone ............................ Vonda Wright MD
Neurological ........................ James Ashton-Miller PhD

Specific Clinical Challenges with Maturing Athletes
Shoulder
Empirical Literature Review of Management/Interventions
John M. Tokish MD
Clinical Wisdom/Master’s Experience and Recommendations
James R. Andrews MD
Arthroplasty Experience with the Active Adult
David M. Dines MD

Roundtable: Gaps in Knowledge, Future Areas for Research
Richard J. Hawkins MD, James R. Andrews MD, David M. Dines MD, John M. Tokish, MD

Knee
Empirical Literature Review of Management/Interventions
Robert F. LaPrade, MD, PhD
Clinical Wisdom/Master’s Experience and Recommendations
J. Richard Steadman MD
Arthroplasty Experience with the Active Adult
William J. Hozack MD

Roundtable: Gaps in Knowledge, Future Areas for Research
John A. Bergfeld MD, William J. Hozack MD, Robert F. LaPrade MD, PhD, J. Richard Steadman MD

Hip
Empirical Literature Review of Management/Interventions
Asheesh Bedi MD
Clinical Wisdom/Master’s Experience and Recommendations
Marc J. Philippon MD
Arthroplasty Experience with the Active Adult
William J. Hozack, MD

Roundtable: Gaps in Knowledge, Future Areas for Research
Struan H. Coleman MD, PhD, William J. Hozack MD, Marc J. Philippon MD, Asheesh Bedi MD

AOSSM gratefully acknowledges an educational grant from Stryker® in support of this workshop.
Late/On-Site Registration
On-site registration is available for an additional charge of $100 plus the pre-registration fee for non-members. On-site registration is available for $100 for AOSSM members.

Convention Center Parking
Overnight guest rates with in and out access:
$24.00 self-parking with in and out privileges
$34.00 valet parking with in and out privileges

Daily Rates Non-Guests:
Self-Parking: $6.00 for the first hour; $6.00 each additional hour; $24.00 maximum
Valet Parking: $9.00 for the first hour; $6.00 each additional hour; $34.00 maximum.

Spouse/Family Hospitality
A hospitality room with light refreshments is located at the Hilton Baltimore in Tubman AB. The hours are from 8:00 am – Noon, Thursday through Saturday.

Meeting attire is casual, including all social events.

Exhibits
Exhibits will be located in Hall E on Level 100 at the Baltimore Convention Center. A complete listing of commercial exhibitors, including exhibit hours, are listed in this 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.

General Session
The General Session and Concurrent Session A will be held in Ballroom I and II on Level 400 at the Baltimore Convention Center.

Concurrent Session
Concurrent Session B will be held in Ballroom III on Level 400 at the Baltimore Convention Center.

Refund Policy
Refunds will be subject to a non-refundable $150 processing fee. NO REFUNDS WILL BE ISSUED AFTER June 18, 2012 FOR REGISTRATION FEES, INSTRUCTIONAL COURSES, OR SOCIAL EVENTS.

Every AOSSM Annual Meeting attendee needs to present photo identification to pick-up registration materials.

Registration
Wednesday, July 11 ...................................... 2:00pm – 6:00pm
Thursday, July 12 .......................................... 6:15am – 1:00pm
Friday, July 13 ............................................ 6:15am – 1:00pm
Saturday, July 14 ......................................... 6:15am – 1:00pm
Sunday, July 15 ........................................... 7:30am – 11:30am

Contact the Society office at 847/292–4900 (toll free at 877/321–3500), or e-mail us at aossm@aossm.org

Visit the Chicago table in the foyer near the Registration Desk to learn more about the 2013 Annual Meeting.
Accreditations
AOSSM is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. AOSSM is recognized by the Board of Certification, Inc. to offer continuing education for BOC Certified Athletic Trainers.

AMA/PRA
- Scientific Sessions: AOSSM designates this live activity for a maximum of 14.75 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.
- Knee Live Surgical Demonstrations Workshop: AOSSM designates this live activity for a maximum of 4.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
- Young Sports Medicine Specialists’ Workshop: Are You Ready for Some Practice?: AOSSM 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.
- Research Workshop: The Maturing Athlete: Breakthroughs in Understanding and Treating the Effects of Aging in Active Patients: AOSSM designates this live activity for a maximum of 3.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

BOC/CEUs
- Scientific Sessions: This program has been approved for a maximum of 14.75 hours of Category A continuing education. BOC Certified Athletic Trainers are responsible for claiming only those hours actually spent participating in the continuing education activity.
  BOC Approved Provider Number: P460
- Instructional Courses: This program has been approved for a maximum of 1.5 hours of Category A continuing education. BOC Certified Athletic Trainers are responsible for claiming only those hours actually spent participating in the continuing education activity.
  BOC Approved Provider Number: P460
- Knee Live Surgical Demonstrations Workshop: This program has been approved for a maximum of 4.5 hours of Category A continuing education. BOC Certified Athletic Trainers are responsible for claiming only those hours actually spent participating in the continuing education activity.
  BOC Approved Provider Number: P460
- Research Workshop: The Maturing Athlete: Breakthroughs in Understanding and Treating the Effects of Aging in Active Patients: This program has been approved for a maximum of 3.75 hours of Category A continuing education. BOC Certified Athletic Trainers are responsible for claiming only those hours actually spent participating in the continuing education activity.
  BOC Approved Provider Number: P460

Disclaimer
The material presented in this continuing medical education program is being made available by 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 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). Any and all disclosures will be provided in this program. 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.

Annual Meeting Online –2012
AOSSM features selected plenary sessions from the AOSSM 2012 Annual Meeting on its website. For $60, participants receive online access to education sessions containing slide presentations and speakers’ voices captured at the Baltimore meeting. 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 service, stop by the AOSSM Registration Desk.

Instructional Courses
Instructional Courses are offered Thursday, July 12, 2012 through Saturday, July 14, 2012 from 6:45 – 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 $60. Individuals must register and pay the fee in order to enroll. This fee is applicable to ALL registrants.

The AOSSM 2012 Annual Meeting Instructional Courses have gone online. There will no longer be hard copy handouts distributed to IC registrants on site. IC registrants, including those who register in Baltimore, can login onto www.sportsmed.org to view all materials in their My AOSSM tab. Registrants can also purchase the handouts for all 27 Instructional Courses via the website or onsite at the registration desk for $60.

Some Instructional Courses may have limited capacity, and space is assigned as registrations are received. NO REFUNDS FOR INSTRUCTIONAL COURSES WILL BE ISSUED.

Program Information
AOSSM attests that the people responsible for the development of this educational activity did so independently and were not influenced by commercial supporters.
Thursday, July 12, 2012
Welcome Reception
6:30–8:00pm
Supported in part by BREG.
Join us on Eutaw Street outside of Camden Yards for this year’s Welcome Reception. Adjacent to the Hilton Baltimore, Eutaw Street will become AOSSM’s private party with baseball stadium food and beverage vendors, an inflatable fast pitch and other baseball related game stations for kids and adults. In addition, a limited number of ballpark tours will be offered on site on a space available basis. Everyone and their families are welcome to attend. One attendee badge per family required for entrance.

NO FEE

Friday, July 13, 2012
Golf Tournament
1:00pm
Supported by DJO GLOBAL
The Mountain Branch Golf Club has been selected as the site for the 23rd Annual Golf Tournament which is scheduled for Friday, July 13, 2012 with a shotgun start at 1:00 pm. The public golf course is a regional favorite. Dubbed a “must-play” by Washington Golf Monthly, the Washington Times and Mid-Atlantic Golfer, the course is conditioned on par with the best private country clubs. The course boasts engaging architecture featuring split fairways, rolling greens and rock and water features. The course is approximately 30 minutes from the Baltimore Convention Center in Joppa, MD and transportation will be provided beginning at 11:45am at the Baltimore Convention Center. The tournament is open to men and women, members and nonmembers. Pre-registration is required. The registration fee for each player is $135 (box lunch included), which has generously been matched through a grant by DJO Global for sports medicine education and research. Payment can be made at the AOSSM Registration desk on a space available basis. For those that pre-registered, confirmation and tee times are available at the DJO Booth.
Cost $135

Saturday, July 14, 2012
A Summer Celebration at the B&O Railroad Museum
6:00–10:00pm
Supported in part by BioMimetic Therapeutics
Open Saturday evening exclusively for AOSSM attendees and guests, the Baltimore and Ohio Railroad Museum boasts one of the oldest collections of railroad history in the Western Hemisphere, dating back to 1827. This historic national landmark allows you to see, touch, hear and explore the most important railroad collection in America. Galleries and train cars will be open for exploring. Outdoors there will be various family friendly activities including Choo Choo Blueville which offers children a kiddie train ride, a Carousel and other interactive games; Dinner buffet is included. The museum is located about 2 miles from all of the host hotels and transportation will be provided. Bus pick-up will begin at 5:45 pm at the Baltimore Convention Center, Pratt Street lobby entrance. If you pre-registered for this event, bring your ticket for admittance. Onsite registration is available at the AOSSM Registration Desk.
NO FEE

ALL FEES ARE IN US DOLLARS

AOSSM ANNUAL MEETING 2012
JULY 12–15, 2012
Baltimore, MD
Exhibitor Information

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 (i.e., 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.

AOSSM Raffle Drawing
(For Attendees Only)

Remember to enter in this year’s popular raffle drawing located in the rear of the Exhibit Hall. Daily prizes include American Express gift cards, along with AOSSM shirts and hats. Drawings will be held at noon on Thursday, Friday and Saturday.

WINNERS NEED NOT BE PRESENT TO WIN!
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 |
| AS | Arthroscopic Systems |
| BLD | Blood Products |
| BNE | Bone Products |
| BB | Business to Business/OEM |
| CS | Casting Supplies & Equip |
| COM | Computer Hardware/Software |
| DEV | Devices |
| DI | Diagnostic Equipment |
| EDU | Education – Patient & Physician |
| EMR | Electronic Medical Records |
| FPD | Facility Planning & Design |
| IMG | Image Guiding/Navigation System |
| I | Implants |
| MKT | Market Research Services |
| MS | Medical Supplies |
| MRI | MRI |
| O | Orthoses |
| OTH | Other |
| PH | Pharmaceuticals |
| PM | Practice/Office Management |
| P | Prostheses |
| PUB | Publishers |
| REHB | Rehabilitation/Exercise Equip |
| SF | Shoes & Foot supplies |
| SG | Soft Goods (Supports) |
| SE | Surgical Equipment |
| SI | Surgical Instruments |
| T | Tissue Products |
| XRAY | X-Ray |

Advanced Med LLC  
BIO SKILLS LAB  
Product Code(s): EDU  
1025

Alignmed - Evidence Based Apparel  
Product Code(s): SG  
122

AmI Med Inc.  
Product Code(s): EMR,PM,COM  
114

American Regent, Inc.  
Product Code(s): PH  
714

Amniox Medical  
Product Code(s): T  
725

Andrews Education  
Product Code(s): EDU  
421

Arthrex, Inc.  
Product Code(s): AS,BLD,DEV,EDU,I,SI,T,IMG,SE  
608 & 609

ArthroCare Sports Medicine  
Product Code(s): DEV  
619

ArthroPlastics, Inc.  
Product Code(s): SE  
524

Automated Healthcare Solutions  
Product Code(s): COM,OTH  
922

Bacterin International Holdings, Inc  
Product Code(s): BNE,DEV,I,T  
1014

BBL Medical Facilities  
Product Code(s): FPD  
618

Biomet Sports Medicine  
Product Code(s): AS,I,SI  
809

BioMimetic Therapeutics  
Product Code(s): BNE,O,T  
719

Bioventus  
Product Code(s): BNE,DEV,PH  
1003

Bird & Cronin Medical Orthopedics  
Product Code(s): SF,SG,SI  
208

Bledsoe Brace Systems  
Product Code(s): 0,SG  
312

Breg, Inc.  
Product Code(s): PM,SG,0  
300

Cannuflow, Inc.  
Product Code(s): AS  
721

Carticept Medical.  
Product Code(s): AS,DI  
519

Cayenne Medical, Inc.  
Product Code(s): DEV  
710

ConMed Linvatec Sports Tissue & Biologics  
Product Code(s): T  
813

ConMed Linvatec  
Product Code(s): AS,COM,DEV,EDU,I,SE,SI  
709

CSUS by Allard USA  
Product Code(s): 0,SG  
420

CuraMedix, LLC  
Product Code(s): DEV  
1007

Cyntomedix Inc.  
Product Code(s): DEV,BLD  
1023

DCI Donor Services  
Product Code(s): T  
211

DePuy Mitek  
Product Code(s): AS,DEV,EDU,I  
909

DeRoyal  
Product Code(s): 0,SG  
823

DJO Global, Inc.  
Product Code(s): I,SG,REHB,OTH  
508

Dynasplint Systems Inc  
Product Code(s): DEV,REHB  
622

Elsevier, Inc.  
Product Code(s): PUB  
124

Esaote North America  
Product Code(s): DI,MR,DEV  
308

Everyday Health Inc.  
Product Code(s): OTH  
722

Exactech, Inc.  
Product Code(s): DEV  
1005

Exscribe  
Product Code(s): EMR,COM  
325

Ferring Pharmaceuticals  
Product Code(s): DEV  
708

FH Orthopedics, Inc.  
Product Code(s): DEV  
920

Fidia Pharma  
Product Code(s): DEV  
422

Game Ready  
Product Code(s):  
918

GeNeRoB  
Product Code(s): DEV,BL,COM,MS,REHB  
100

Hapad, Inc.  
Product Code(s): SG  
409

Harvest Technologies Corp  
Product Code(s): BLD  
818

HydroWorx International, Inc.  
Product Code(s): REHB  
215

Innovative Medical Products  
Product Code(s): DEV,MS,OTH,SG,SE  
221

IntelliCell BioSciences, Inc.  
Product Code(s): OTH  
1021

IntelliSkin  
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625

ISAkOS  
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Joint Active Systems, Inc.  
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415

Joint Restoration Foundation  
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720

KFX Medical Inc.  
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116
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AOSSM Annual Meeting
2012
Baltimore, MD
JULY 12–15, 2012
**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 final 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.


All abstract authors have disclosed relevant financial relationships with any commercial interest at the end of their abstract.

1 Planner
2 Faculty and Planner

Faculty are listed without key designation

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FRIDAY, JULY 13, 2012

IS01 Biomet Sports Medicine
Outcomes in ACL Reconstruction from Optimal Tunnel Placement and Graft Tension
Eric McCarty MD, Keith Lawhorn MD
ACL reconstruction is one of the most studied procedures in sports medicine. Continued implant and instrument enhancements have led to further refinement of the clinical procedure. In this course, the evolution of ACL reconstruction technology is discussed, along with a description of implants and instruments that provide graft tensioning options to meet specific needs of each individual, as well as the reduction of graft creep, and tools for placing tibial and femoral tunnels in an optimal biomechanical position using both an antero-medial and a transtibial approach.

IS02 ConMed Linvatec
Joint Preserving Solutions for Complex Instability and Rotator Cuff Repair
Mark Albritton MD
This symposium will include presentations highlighting indications, shoulder anatomy and surgical treatment. Techniques for these procedures will be demonstrated by our esteemed faculty. This session will also offer participants a hands-on opportunity using new anchors in the ConMed Linvatec Shoulder Restoration System™ (SRS) portfolio.

IS03 FH Orthopedics
Single Tendon (Quadrupled Semitendinosus) ACL Reconstruction: Anatomic, All Inside for Primary, Revision, and Pediatric Cases
Xavier Cassard MD
Join us in discussing the latest trends in all inside ACL reconstruction. Dr. Bowen and Dr. Cassard will present new techniques and principles in primary, revision, and pediatric reconstructions using a single tendon (quadrupled semitendinosus).

IS04 Joint Restoration Foundation
New Techniques for ACL Reconstruction, Knee Alignment, and Cartilage Resurfacing
Tom Mologne MD, Thomas DeBerardino MD
The symposium will provide surgeons a thorough understanding of the newest techniques introduced by Arthrex and the Joint Restoration Foundation for the treatment of ACL injuries, malalignment, and isolated cartilage lesions of the knee. The goal of the symposium is to provide surgeons with an in-depth understanding of the rationale, surgical techniques, and indications/contraindications for the GraftLink ACL system, iBalance HTO system, and JRF live cartilage grafts. Instruction and demonstration will be provided by experienced surgeons who have expert knowledge of the techniques.

IS05 Pivot Medical
Hip Preservation Strategies
Bryan Kelly MD, Srino Bharam MD, Shane Nho MD, Thomas Ellis MD, Ernie Sink MD, Richard Mather MD
Pivot Medical invites you to participate in a special hip preservation symposium. Listen to our distinguished surgeon panel and gain valuable peer-to-peer insights into current topics surrounding hip preservation. This symposium will also include a hands-on opportunity to use the innovative hip products developed by Pivot Medical.

IS06 RTI Biologics, Inc.
Biologic Shoulder Reconstruction
David Schneider MD
This session will explore emerging topics in glenohumeral joint repair and reconstruction. Topics to be covered will be managing bone loss and instability, osteochondral reconstruction of Bankart lesions and the role of allograft in the management of Hill-Sachs lesions. Presentation will include didactic lecture and surgical demonstration.
**IS07  Smith & Nephew**

Advanced Repair Procedural Solutions; Cadaveric Demonstrations Featuring:

1:30–2:15pm  
Anatomic ACL Repair; Are shorter tunnels a reality? Deliver a Reproducible Clinical Repair with the 10MM Endobutton CL Implant System and Graft Options – Charles Brown MD

2:30–3:15pm  
Repairing the Footprint of the Gluteus Medius Tendon with the Healicoil Implant System – Allston Stubbs MD

3:30–4:15pm  
Advances in Arthroscopic Rotator Cuff Tendon Repair and Healing using the new S&N Healicoil and Footprint Anchor Systems – Michael Terry MD

**IS08  Sonoma Orthopedics**

Sonoma CRx™ Clavicle Fracture Fixation Device, Changing the Treatment Paradigm for Clavicle Fractures – Carl Basamania MD, FACS, Matthew Pombo MD

This symposium will provide an interactive discussion on clavicle fracture management with emphasis on athletic injuries. Discussion will cover current treatment options, issues, complications and the latest surgical techniques utilizing the Sonoma Orthopedic CRx™ Intramedullary Fracture Fixation Device. A hands-on surgical skills session will allow participants an opportunity to practice the CRx™ surgical technique in a sawbones model.

**IS09  Stryker**

VersiTomic – An Easier Way to do Anatomic ACL – J. Martin Leland III, MD

An advanced technique utilized to accomplish a secure and reproducible anatomic ACL reconstruction technique will be highlighted.

**IS10  Tornier**

Innovations in Soft-tissue Fixation – John Costouros MD

The focus of this lab will include anchorless rotator cuff repair with the ArthroTunneler™ Transosseous Repair System, as well as “cinchable” soft-tissue fixation with the Tornier Duo™ Convertible Implant System and the Piton® Knotless Fixation System.
ANNUAL
AOSSM & AAOS
Review Course for
Subspecialty Certification in Orthopaedic Sports Medicine

Course Highlights
- Three-day course with renowned faculty participation
- Comprehensive preparation for ABOS subspecialty certification in orthopaedic sports medicine
- In-depth review of key sports medicine topics
- Three interactive imaging-arthroscopy correlation sessions
- Post meeting online access to all PowerPoints, videos and faculty commentary

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> Update on Concussion
> Case-based Discussions
> Complimentary Reception at the Hockey Hall of Fame

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Sports Medicine and the NFL: The Playbook for 2013

THURSDAY, MAY 9 – SATURDAY, MAY 11, 2013
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Renew your commitment to provide the best care possible for your football athletes by:

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• Translating this education into better prevention strategies and improved outcomes for your football athletes

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- See who’s here
- Search exhibitor listings

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AOSSM ANNUAL MEETING
2012
Baltimore, MD

Include hashtag #AOSSM2012 in your Tweets and join the conversation!
AOSSM Annual Meetings

2013

July 11–14, 2013
AOSSM 2013 Annual Meeting
Sheraton Chicago Hotel and Towers
Chicago, IL

2014

July 10–13, 2014
AOSSM 2014 Annual Meeting
Washington State Convention & Trade Center
Seattle, WA

2015

July 9–12, 2015
AOSSM 2015 Annual Meeting
Hilton Orlando Bonnet Creek
Orlando, FL

AOSSM Annual Meetings

2012

August 10–12, 2012
Annual AOSSM & AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine
Fairmont Chicago Millenium Park, Chicago, IL

August 24–26, 2012
Keep Your Edge: Hockey Sports Medicine in 2012
Toronto Marriott Downtown Eaton Centre, Toronto, Canada

September 15–16, 2012
AAOS/AOSSM Fundamentals of Knee and Shoulder Arthroscopy for Orthopaedic Residents
OLC, Rosemont, IL

December 6–9, 2012
2012 Advanced Team Physician Course
Hyatt Regency, New Orleans, LA

*All registrations will be coordinated by AMSSM

2013

Saturday, March 23, 2013
AOSSM 2013 Specialty Day
Chicago, IL

*All registrations will be coordinated by AAOS

May 9–11, 2013
Sports Medicine and the NFL: The Playbook for 2013
Sheraton Boston Hotel, Boston, MA

August 9–11, 2013
Annual AOSSM & AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine
The Westin Chicago River North, Chicago, IL

2014

Saturday, March 15, 2014
AOSSM 2014 Specialty Day
New Orleans, LA

*All registrations will be handled by AAOS

August 8–10, 2014
Annual AOSSM & AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine
Fairmont Chicago Millenium Park, Chicago, IL

2015

July 10–13, 2014
AOSSM 2014 Annual Meeting
Washington State Convention & Trade Center
Seattle, WA

July 9–12, 2015
AOSSM 2015 Annual Meeting
Hilton Orlando Bonnet Creek
Orlando, FL

AOSSM Abstract Submissions

AOSSM 2013 Annual Meeting
July 11–14, 2013

To submit an abstract for the AOSSM 2013 Annual Meeting program, please visit the AOSSM website at www.sportsmed.org/abstracts. Deadline for submission is November 15, 2012. Abstracts will only be accepted via the Internet. No exceptions will be made for late abstracts.
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AOSSM ANNUAL MEETING
JULY 11 – 14, 2013
SHERATON CHICAGO HOTEL & TOWERS
CHICAGO, ILLINOIS

www.sportsmed.org
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.