## Saturday, March 5, 2016 Orange County Convention Center, West Building Chapin Theater 7:35 am – 5:00 pm

# American Orthopaedic Society for Sports Medicine



#### **General Information**

#### **Description**

This live activity is designed to identify areas of recent research in the field of orthopaedic sports medicine and arthroscopy relevant to practicing physicians, surgeons, and allied health professionals. This information will be transmitted through scientific research, faculty/participant interaction, spotlights on surgical techniques, symposia, and debates.

#### **Target Audience**

This program should prove valuable to any orthopaedic surgeon, physician, or allied health professional in the field of sports medicine or related fields of practice.

#### **Program**

The American Orthopaedic Society for Sports Medicine (AOSSM) attests that the people responsible for the development of this educational activity did so independently and were not influenced by commercial supporters.

#### **Educational Objectives**

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

- Identify recent research in the field of orthopaedic sports medicine
- Evaluate orthopaedic sports medicine diagnostic, surgical, non-operative, and other therapeutic measures and techniques
- Recognize specific topical problems endemic to the orthopaedic sports medicine practitioner
- Describe recent developments in the rapidly changing field of orthopaedic sports medicine
- · Apply strategies to improve patient outcomes

# Accreditations AMA/PRA

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

AOSSM designates this live activity for a maximum of **6.5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

#### **NATA/CEUs**

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



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**BOC Approved Provider Number: P460** 

#### **Disclosure Statement**

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#### Disclaimer

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#### Questions

American Orthopaedic Society for Sports Medicine 9400 W. Higgins Road, #300 Rosemont, IL 60018

Phone: 847/292-4900 or (toll free) 877/321-3500

Fax: 847/292-4905 Email: aossm@aossm.org

7:35 am – 7:40 am	Welcome Remarks Allen F. Anderson, MD Kurt P. Spindler, MD
7:40 am - 8:15 am	Session I: ACL Surgical Decision Making
	Moderators: Elizabeth Arendt, MD;

Diane L. Dahm, MD

Paper 1 7:40 am 7:45 am

A Comparison Of Anatomic Double- and Single-bundle Techniques For Anterior Cruciate Ligament Reconstruction, A Prospective Randomized Study With A 5-year Follow-up Ioannis Karikis, MD¹, Neel Desai, MD², Ninni Sernert, PhD³, Lars Rostgard – Christensen, MD⁴, Juri T. Kartus, MD, PhD⁵.

(¹NU – Hospital Group, Uddevalla, Sweden, ²Sahlgrenska University Hospital, Mondal, Sweden, ³Develo pment of Research and Develo pment, USA, ⁴Skaraborg Hospital, Lindköping, Sweden, ⁵Norra Älvsborgs Länssjukhus,

Trollhattan, Sweden.)

Paper 2		Paper 6	
7:45 am – 7:50 am	Increased Risk of Revision after ACL Reconstruction with Soft Tissue Allograft Compared to Autograft: Graft Processing and Time Make a Difference.  Gregory Maletis, MD¹, Jason Chen, MA², Maria Carolina Secorun Inacio, PhD³, Rebecca Love, MPH⁴, Tadashi Ted Funahashi, MD⁵.  (¹Kaiser Baldwin Park, Baldwin Park, CA, USA, ²Kaiser Research and Evaluation, San Diego, CA, USA, ³Kaiser Permanente, San Diego, CA, USA, ⁴Kaise Resarch and Evaluation, San Diego, CA, USA,	8:30 am – 8:35 am	Survival and Reoperation Rate Following Osteochondral Allograft Transplantation: Analysis of Failures for 100 Transplants at 5-year Follow-up Rachel M. Frank, MD¹, David Levy, MD², Pamela Nina Scalise, BS³, Margaret Elizabeth Smith, BA², Brian J. Cole, MD, MBA⁴. (¹Rush Univ, Chicago, IL, USA, ²Rush University, Chicago, IL, USA, ³Rush University Medical Center, Chicago, IL, USA, ⁴Midwest Orthopaedics at Rush, Chicago, IL, USA)
<b>Paper 3</b> 7:50 am – 7:55 am	Surgical Predictors of Clinical Outcome following Revision ACL Reconstruction MARS Group <sup>1</sup> , Rick W. Wright, MD <sup>2</sup> . ('Washington University St. Louis, St. Louis, MO, USA, '2Washington University Dept of Orthopaedic Surgery, Saint Louis, MO, USA.)	Paper 7 8:35 am – 8:40 am	Functional Outcome of Sesamoid Excision in Athletes J. Chris Coetzee, Rebecca M. Stone, MS, ATC, Jacquelyn E. Fritz, BS, Emma F. Grossi. (Minnesota Orthopedic Sports Medicine Institute at Twin Cities Orthopedics, Edina, MN, USA)
7:55 am – 8:10 am	Surgical Spotlight: Placement of Femoral and Tibial Single Tunnels	8:40 am – 8:50 am	Question and Answer
	Faculty: Mark D. Miller, MD	8:50 am – 9:25 am	Scientific Session III: Injury Prevention in Sports
8:10 am – 8:20 am	Question and Answer	-	Moderators: Letha Y. Griffin, MD, PhD;
8:20 am – 8:50 am	Session II: Lower Extremity	Paper 8	Jo A. Hannafin, MD, PhD
Paper 4 8:20 am – 8:25 am Paper 5 8:25 am – 8:30 am	Moderators: Robert T. Burks, MD; Christian Lattermann, MD  Pre-operative Lumbar Plexus Block Provides Superior Post-operative Analgesia when Compared with Fascia Iliaca Block or General Anesthesia Alone in Hip Arthroscopy Andrew B. Wolff, MD¹, Geoffrey W. Hogan, BA¹, James Capon¹, Hayden Smith¹, Alexandra M. Napoli, BA¹, Patrick Gaspar, MD². (¹Washington Orthopaedics and Sports Medicine, Chevy Chase, MD, USA, ²Fair Oak Anesthesia Associates, Oxon Hill, MD, USA)  A Risk Prediction Model for Redislocation Following First Time Lateral Patellar	8:50 am – 8:55 am  Paper 9	Effectiveness of a Preseason Prevention Program on Arm Injury Risk Factors: An Randomized Control Trial in Adolescent Pitchers  Charles A. Thigpen, PT, PhD, ATC¹,  Lane Brooks Bailey, DPT², Michael J.  Kissenberth, MD³, Thomas J. Noonan,  MD⁴, Richard J. Hawkins, MD, FRCSC³,  Ellen Shanley, PhD¹.  (¹Proaxis Therapy, Greenville, SC, USA,  ²Ironman Sports Medicine Institute  — Memorial Hermann, Houston, TX,  USA, ³Steadman Hawkins Clinic of the  Carolinas/Greenville Health System,  Greenville, SC, USA, ⁴Steadman Hawkins  Clinic Denver, Greenwood Village, CO,  USA)
	Following First Time Lateral Patellar Dislocation (LPD)  Marc Tompkins, MD¹, Elizabeth A.  Arendt, MD².  (¹TRIA/University of Minnesota, Minneapolis, MN, USA, ²University of Minnesota, Minneapolis, MN, USA)	8:55 am – 9:00 am	Does Fatigue Alter Pitching Mechanics?  Brandon J. Erickson <sup>1</sup> , Terrance Sgroi, DPT <sup>2</sup> , Peter Nissen Chalmers, MD <sup>3</sup> , Peter Vignona <sup>2</sup> , Matthew Lesniak, DPT <sup>4</sup> , Charles A. Bush – Joseph, MD <sup>5</sup> , Nikhil N. Verma, MD <sup>6</sup> , Anthony A. Romeo, MD <sup>7</sup> . (¹Rush University, Chicago, IL, USA, ²Accelerated Rehab PT, Chicago, IL, USA, ³Rush University Medical Center, Chicago, IL, USA, ⁴Accelerated Physical Therapy, Palos Heights, IL, USA, ⁵Rush University Medical CenterMidwest Orthopaedics, Chicago, IL, USA, <sup>6</sup> Rush Presbyterian St. Lube's Medical

<sup>6</sup>Rush Presbyterian St. Luke's Medical Center, Chicago, IL, USA, <sup>7</sup>Midwest

Paper 10 9:00 am – 9:05 am	Functional Movement Screen and Prior Injury in National Football League Combine Athletes  Harris S. Slone, MD¹, Spero G. Karas, MD², Raj H. Shani, MD³, Megan East, ATC, OTC, MS², William R. Barfield, PhD, FACSM⁴.  (¹Medical University of South Carolina, Charleston, SC, USA, ²Emory Sports Medicine Center, Atlanta, GA, USA, ³UT Physicians, Houston, TX, USA, ⁴Medical Univ. of South Carolina, Charleston, SC, USA)	Paper 14 9:40 am – 9:45 am	Ulnar Collateral Ligament Reconstruction; the Rush Experience Brandon J. Erickson¹, Bernard R. Bach, MD², Mark S. Cohen, MD³, Charles A. Bush – Joseph, MD⁴, Brian J. Cole, MD, MBA⁵, Nikhil N. Verma, MD⁶, Gregory P. Nicholson, MD⁷, Anthony A. Romeo, MD³.  (¹Rush University, Chicago, IL, USA, ²Midwest Orthopaedics at RUSH, Chicago, IL, USA, ³Midwest Orthopaedics, Chicago, IL, USA, ⁴Rush University Medical CenterMidwest
9:05 am – 9:15 am	Update: ACL/Knee Prevention Studies: AAOS Guidelines		Orthopaedics, Chicago, IL, USA, <sup>5</sup> Midwest Orthopaedics at Rush, Chicago, IL, USA, <sup>6</sup> Rush Presbyterian St. Luke's
	Faculty: Kevin G. Shea, MD		Medical Center, Chicago, IL, USA, <sup>7</sup> Rush Presbyterian St Lukes Med CtrMidwest
9:15 am – 9:25 am	Question and Answer		Ortho, Chicago, IL, USA)
9:25 am – 9: 35 am	Scientific Session IV: Elbow	9:45 am – 9:55 am	Question and Answer
	Moderators: Mark S. Schickendantz, MD;	9:55 am – 10:15 am	Break
Paper 11	E. Lyle Cain, MD	10:15 am – 10:45 am	Scientific Session V: Team Physician Update
9:25 am – 9:30 am	Radiostereometric Evaluation of Tendon Elongation after Distal Biceps Repair Nathan Marshall <sup>1</sup> , Robert A. Keller, MD <sup>2</sup> , John – Michael Guest <sup>3</sup> , Vasilios Moutzouros, MD <sup>4</sup> .  ('Henry Ford Hospital, Royal Oak, MI, USA, <sup>2</sup> Henry Ford Hospital, Detroit, MI, USA, <sup>3</sup> Wayne State University, Detroit, MI, USA, <sup>4</sup> Henry Ford Medical Group, Novi, MI, USA)	Paper 15 10:15 am – 10:20 am	Moderators: Richard D. Parker, MD; Christopher C. Kaeding, MD  Unintended Consequences of Concussion Prevention in NCAA Football Robert W. Westermann, MD¹, Peter Wehr, MD¹, Annunziato Amendola, MD². (¹University of Iowa, Iowa City, IA, USA, ²UI Sports Medicine, Iowa City, IA, USA)
Paper 12 9:30 am – 9:35 am	Lacertus Fibrosis versus Achilles Allograft reconstruction for Chronic Distal Biceps Tears: A Biomechanical Study Miguel Ramirez, MD¹, Anand Murthi, MD².  (¹Union Memorial Hospital, Baltimore, MD, USA, ²MedStar Union Memorial	Paper 16 10:20 am – 10:25 am Paper 17	CNS Voltage – gated Calcium Channel Gene Variation And Prolonged Recovery Following Sport – related Concussion Jane McDevitt, PhD. (Temple University, Douglassville, PA, USA)
Paper 13 9:35 am – 9:40 am	Ulnar Collateral Ligament Repair with Internal Brace Augmentation: A Novel UCL Repair Technique in the Young Adolescent Athlete Jeffrey R. Dugas, MD¹, E. Lyle Cain, MD², Benton A. Emblom, MD³, Jamie T. Frantz, MD⁴, Brian L. Walters, MD⁵. (¹Andrews Sports Medicine & Orthopaedic Center, Birmingham, AL, USA, ²Andrews Sports Medicine, Birmingham, AL, USA, ³Andrews Sports Medicine and Orthopaedic Center, Birmingham, AL, USA, ⁴American Sports Medicine Institute (St. Vincent's) Program, Birmingham, AL, USA, ⁵Andrews Sports Medicine Institute, Birmingham, AL, USA)	10:25 am – 10:30 am 10:30 am – 10:45 am	Characterizing Radiographic Hip Anatomy and Relationship to Hip Range of Motion and Symptoms in National Hockey League (NHL) Players Christopher M. Larson, MD¹, Don Fuller, ATC², James R. Ross, MD³, David Rowley, MD⁴, M. Russell Giveans, PhD¹, Rebecca M. Stone, MS, ATC¹, Asheesh Bedi, MD⁵. (¹Minnesota Orthopedic Sports Medicine Institute at Twin Cities Orthopedics, Edina, MN, USA, ²Minnesota Wild, Saint Paul, MN, USA, ³Broward Orthopedic Specialists, Fort Lauderdale, FL, USA, ⁴Fairview Southdale Hospital/MOSMI Program, Minnetonka, MN, USA, ⁵MedSport, Univ of Michigan, Ann Arbor, MI, USA)  Point – Counterpoint: Orthopaedist –
		10.00 am 10.10 am	Head Team Physician

	Faculty: Eric C. McCarty, MD (Yes); Michael D. Goodlett, MD (No)	11:15 am – 11:25 am	Question and Answer
10:45 am – 10:55 am	Question and Answer	11:25 am – 12:00 pm	Kennedy Lecture Christopher D. Harner, MD
10:55 am – 11:25 am	Scientific Session VI: Rotator Cuff	12:00 pm – 1:00 pm	Lunch
Paper 18	Moderators: John E. Kuhn, MD; Stephen F. Brockmeier, MD	1:00 pm – 1:55 pm	Case-based Symposium: Management of Shoulder Instability
10:55 am – 11:00 am	Arthroscopic Superior Capsule Reconstruction For Irreparable Rotator Cuff Tears: A Prospective Clinical Study		Moderator: Nikhil N. Verma, MD; Christopher J. Ahmad, MD
	In 100 Consecutive Patients With 1 To 8 Years Of Follow – up		Surgical Decision Making
	Teruhisa Mihata, MD, PhD¹, Thay Q. Lee, PhD², Yasuo Itami, MD³, Akihiko	1:00 pm – 1:03 pm	How Do We Measure Glenoid Bone Loss? Adam B. Yanke, MD
	Hasegawa, MD, PhD <sup>4</sup> , Mutsumi Ohue, MD <sup>5</sup> , Masashi Neo, MD, PhD <sup>1</sup> . (¹Department of Orthopedic Surgery,	1:03 pm – 1:06 pm	What Size Hill-Sachs Matters? George Athwal, MD
	Osaka Medical College, Takatsuki,		Debate: Recurrent Instability
	Osaka, Japan, <sup>2</sup> VA Long Beach HCS and University of CA, Long Beach, CA, USA, <sup>3</sup> Department of Orthopaedic Surgery,	1:06 pm – 1:11 pm	Repair with Open Procedure Robert A. Arciero, MD
	Osaka Medical college, Takatsuki, Japan, ⁴Towakai hospital, Takatsuki, Osaka, Japan, ⁵Katsuragi Hospital, Kishiwada,	1:11 pm – 1:16 pm	Arthroscopic Repair Robert T. Burks, MD
	Japan)	1:16 pm – 1:26 pm	Discussion
Paper 19 11:00 am – 11:05 am	Interposition Porcine Acellular Dermal		<b>Debate:</b> Instability in the Contact Athlete
	Matrix Xenograft Successful Alternative in Treatment for Massive Rotator Cuff	1:26 pm – 1:31 pm	Arthroscopic Repair Is Best Anthony A. Romeo, MD
	Julie Neumann, MD¹, Miltiadis H. Zgonis, MD², Kathleen Dolores Reay, MD³, Stephanie W. Mayer⁴, Blake Boggess,	1:31 pm – 1:36 pm	Open Repair Is Best Jeffrey R. Dugas, MD
	MD <sup>1</sup> , Alison P. Toth, MD <sup>5</sup> . (¹Duke University Medical Center, Durham, NC, USA, ²University of		Technical Pearls of Shoulder Surgery (Narrated Video Clips)
	Pennsylvania Health System, Philadelphia, PA, USA, <sup>3</sup> Duke University Health System, Durham, NC, USA, <sup>4</sup> Hospital	1:36 pm – 1:39 pm	Management of Subscapular Tendon in Open Procedure Matthew Provencher, MD
	for Special Surgery, New York, NY, USA, <sup>5</sup> Duke Sports Medicine, Durham, NC, USA)	1:39 pm – 1:42 pm	Fixation Tip Latarjet Procedure Stephen S. Burkhart, MD
Paper 20 11:05 am – 11:10 am	Tape versus Suture – A Biomechanical and Clinical Analysis in Arthroscopic Rotator Cuff Repair of Large Tears	1:42 pm – 1:45 pm	Suture/Portal Placement in Arthroscopic Repair Instability Nikhil N. Verma, MD
	Liu Ruiwen, MD <sup>1</sup> , Patrick Hong Lam, PhD <sup>1</sup> , Henry Shepherd, Student <sup>2</sup> , George	1:45 pm – 1:55 pm	Discussion
	A. Murrell, MD, DPhil <sup>2</sup> . ( <sup>1</sup> Orthopaedic Research Institute, Sydney, Australia, <sup>2</sup> St George Hospital, Sydney,	1:55 pm – 2:45 pm	Case-based Symposium: Management of Meniscus Injuries
Paper 21	Australia)		Moderators: Rick W. Wright, MD; Thomas Sean Lynch, MD
11:10 am – 11:15 am	Are We Getting Any Better? A Study on Repair Integrity in 1600 Consecutive Arthroscopic Rotator Cuff Repairs Hayden McColl <sup>1</sup> , Patrick Hong Lam,	1:55 pm – 2:00 pm	Meniscus Repair Indications and Techniques C. Benjamin Ma, MD
-	PhD <sup>2</sup> , George A. Murrell, MD, DPhil <sup>3</sup> . ( <sup>1</sup> Orthopaedic Research Institute, St George Hospital, Australia, <sup>2</sup> Orthopaedic Research Institute, Sydney, Australia, <sup>3</sup> St George Hospital, Sydney, Australia).	2:00 pm – 2:06 pm	Inside-out Anatomy and Exposure Medial and Lateral Anatomy Dissection Video Matthew Matava, MD

2:06 pm – 2:10 pm Suture Placement for All-inside Video of Pearls

Robert H. Brophy, MD

Debate: Meniscus Repair Technique

2:10 pm – 2:15 pm Inside-Out Is Gold Standard

Darren L. Johnson, MD

2:15 pm – 2:20 pm All-Inside Is Best Rick W. Wright, MD

2:20 pm – 2:25 pm Rehabilitation of the Isolated Repair – Is

There Evidence?

Lynn Snyder-Mackler, PhD

Meniscus Tear Treatments by Experts: Case Presentations by Moderators

2:25 pm – 2:35 pm David R. Diduch, MD; Brian R. Wolf,

MD, MS; Allen F. Anderson, MD; Charles A. Bush-Joseph, MD; Lutul D. Farrow,

MD

2:35 pm – 2:45 pm **Discussion** 

Saturday, March 5, 2016 Orange County Convention Center, West Building Chapin Theater 3:00 pm – 5:00 pm





#### **General Information**

#### Description

This live activity is designed to identify areas of recent research in the field of orthopaedic trauma, orthopaedic sports medicine and arthroscopy relevant to practicing physicians, surgeons, and allied health professionals. This information will be transmitted through technical pearls on surgical techniques, symposia, clinical insights, debates, and participant/faculty interaction.

#### **Target Audience**

This program should prove valuable to in the field of orthopaedic trauma and orthopaedic sports medicine relevant to practicing physicians, surgeons, and allied health professionals.

#### **Program**

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#### **Course Objectives**

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

- Debate treatment management approaches of common and complex upper and lower extremity injuries
- Identify technical surgical pearls for common and complex upper and lower extremity injuries
- · Apply strategies to improve patient outcomes

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#### **OTA/AOSSM Combined Session**

3:00 pm – 3:50 pm	Common Upper Extremity Injuries	
	<b>Moderators:</b> Andrew Schmidt, MD; James P. Bradley, MD	
	Displaced Clavicle Fractures	
3:00 pm – 3:12 pm	Management Debate	
3:00 pm – 3:06 pm	Non-Operative Management Is Preferable Grant L. Jones, MD	
3:06 pm – 3:12 pm	Surgery Provides Better Results Michael McKee, MD	
3:12 pm – 3:15 pm	My Top 3 Technical Pearls for ORIF Utku Kandemir, MD	
3:15 pm – 3:25 pm	Discussion	
	Type III AC Joint Injuries	
3:25 pm – 3:37 pm	Management Debate	

3:25 pm – 3:31 pm	Non-Operative Management Is Preferable	4:30 pm – 5:00 pm	Syndesmotic Injuries
3:31 pm – 3:37 pm	Emil Schemitsch, MD Surgery Provides Better Results		Moderators: Steven Olson, MD and Brian Busconi, MD
3:37 pm – 3:40 pm M	W. Ben Kibler, MD  My Top 3 Technical Pearls for Repair/ Reconstruction Neal S. ElAttrache, MD	4:30 pm – 4:36 pm	Surgical Indications: Have they Changed? Richard Buckley, MD
		4:36 pm – 4:48 pm	Management Debate:
3:40 pm – 3:50 pm	Discussion	4:36 pm – 4:42 pm	Rigid Fixation is the Gold Standard: <i>Kyle F. Dickson</i> , <i>MD</i>
3:50 pm – 4:30 pm	<b>Complex Knee Dislocations</b>	4:42 pm – 4:48 pm	Semi-Rigid Fixation is the New Gold
	Moderators: James Stannard, MD;		Standard Ned Amendola, MD
3:50 pm – 3:56 pm H	Michael J. Stuart, MD  Evaluation and Acute Treatment: Key Factors Gregory C. Fanelli, MD	4:48 pm – 4:54 pm	My Top 3 Technical Pearls:
		4:48 pm – 4:51 pm	Rigid Fixation Steven Benirschke, MD
3:56 pm – 4:02 pm	Fracture-Dislocations: Is the Management Different	4:51 pm – 4:54 pm	Semi-Rigid Fixation Thomas O. Clanton, MD
	Daniel B. Whelan, MD	4:54 pm – 5:00 pm	Discussion
4:02 pm – 4:14 pm	Management Debate:		Conclusion
4:02 pm – 4:08 pm	Early Open Surgery Provides Better Results William Obremskey, MD	5:00 pm	Closing Remarks Theodore Miclau, III, MD, OTA President Kurt P. Spindler, MD, AOSSM
4:08 pm – 4:14 pm	Delayed Arthroscopic Surgery Is the Best Option Bruce Levy, MD		Kuri 1. Spinatel, MD, MOSSM
4:14 pm – 4:20 pm	My Top 3 Technical Pearls:		
4:14 pm – 4:17 pm	Early Open Surgery William Harvin, MD		
4:17 pm – 4:20 pm	Delayed Arthoscopic Surgery Robert Marx, MD		
4:20 pm – 4:30 pm	Discussion		