

# OrthoBiologics:

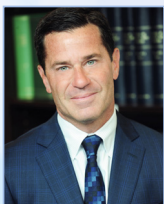
## Integrating Biologics and Clinical Ultrasound into Your Practice

- *Hands-on Tissue Harvesting  
and Processing*
- *Ultrasound Guided  
Injection Laboratory*

**October 12–13, 2018**  
OLC Education and  
Conference Center  
Rosemont, IL

**PRELIMINARY  
PROGRAM**



**CO-CHAIRS**

Brian J. Cole MD, MBA



Jason L. Dragoo MD



Rachel M. Frank MD

**FACULTY**

Adam W. Anz MD  
 Tariq M. Awan DO  
 Arnold Caplan MD  
 Jack Farr II, MD  
 Andrew W. Gottschalk MD  
 Kamran Hamid MD, MPH  
 Sadiq Haque DO  
 Douglas F. Hoffman MD  
 Daniel G. Malone MD,  
 RMSK, FACR  
 Gloria Matthews DVM, PHD  
 Allan Mishra MD

Claude T. Moorman III, MD  
 Kristin Oliver MD  
 Alberto Panero DO  
 Kyle Pilz PA  
 Kevin D. Plancher MD  
 Seth L. Sherman MD  
 Michael Swartzon MD  
 C. Thomas Vangsness Jr., MD  
 Adam B. Yanke MD, PhD  
 Eugene Yousik Roh MD  
 Kenneth R. Zaslav MD

**GENERAL INFORMATION****WHO SHOULD ATTEND?**

Orthopaedic surgeons, physician extenders and primary care specialists with a desire to learn or reinforce their knowledge on the use of orthobiologics, or an interest in expanding their practice into the field of orthobiologics.

**COURSE DESCRIPTION**

AOSSM's **OrthoBiologics: Integrating Biologics and Clinical Ultrasound into Your Practice** is the first course of its kind offered by a subspecialty organization. We are thrilled to have co-chairs, Brian J. Cole MD, MBA, Jason L. Dragoo MD and Rachel M. Frank MD, along with renowned faculty who are thought leaders in the research and clinical use of orthobiologics and regenerative medicine techniques.

The aim of the course is to provide orthopaedic surgeons with resources on how to properly use currently available biologics for treating musculoskeletal disorders. Through didactic lectures, case discussions, live and video demonstrations and hands-on practice with cadavers, the course will provide attendees with clinical decision-making skills, an overview of available technologies and regulations along with the best and most up-to-date evidence and methods to implement orthobiologics into your practice.

**LEARNING OBJECTIVES**

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

- Discuss current indications for orthobiologics based on the published evidence
- Discuss the proper selection of biologics for specific treatments
- Explain the role of MSK ultrasound in clinical practice
- Recognize normal and abnormal ultrasound anatomy of the shoulder, elbow, hip, knee, and ankle
- Utilize ultrasound guided techniques for MSK injections

**WHAT MAKES THIS COURSE UNIQUE?**

- Opportunity to learn from experts in the field of orthobiologics in a small and comfortable setting with easy access to faculty
- Hands-on practice with adipose tissue and bone marrow harvesting and processing on cadavers
- Hands-on practice with ultrasound guided injections on whole cadavers from the shoulder down to the ankles
- A modern, state-of-the-art learning environment

**HOUSING**

A block of rooms has been reserved at Hyatt Rosemont (one block from the Orthopaedic Learning Center) at a group rate of \$129. Reservations may be made by calling (800) 233-1234 and asking for the **AOSSM Surgical Skills Course Room Block**. You can also book directly online at [sportsmed.org](http://sportsmed.org). The reservation deadline is September 21, 2018. Room rates are until this date pending availability. Reservations after this date may be at a higher rate. Attendees are encouraged to book early.

**REGISTRATION FEES****FEES BEFORE September 12, 2018**

AOSSM Member	<b>\$2,400</b>
Non-AOSSM Member	<b>\$2,900</b>
Resident / Fellow	<b>\$2,000</b>

**Fees After September 12**

AOSSM Member	<b>\$2,500</b>
Non-AOSSM Member	<b>\$3,000</b>
Resident / Fellow	<b>\$2,100</b>

\*Registration fees do not include housing



## CANCELLATION / REFUND POLICY

A written request to cancel must be received in the AOSSM office prior to September 12, 2018. The registration fee, minus a \$250 processing fee, will be refunded following the conference. No refunds will be made after September 12, 2018.

## REGISTRATION HOURS

**Friday, October 12** 2:00pm–8:00pm  
**Saturday, October 13** 6:30am–4:00pm

## COMPLIMENTARY MEALS

Complimentary continental breakfast is served at the Hampton Inn and Suites. Dinner is provided on Friday and lunch on Saturday in the OLC Education & Conference Center.

## AMERICANS WITH DISABILITIES ACT

The AOSSM wishes to take those steps to ensure that no individual with a disability is excluded, denied services, segregated, or otherwise treated differently than other individuals because of the absence of auxiliary aids and services. If you require any of the auxiliary aids or services identified in the Americans with Disabilities Act in order to attend this program, please contact AOSSM prior to arrival at [info@aossm.org](mailto:info@aossm.org)

## PROGRAM INDEPENDENCE

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

## CONTINUING MEDICAL EDUCATION CREDIT

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

AOSSM designates this live activity for a maximum of 12.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## DISCLAIMER

The material presented in this continuing medical education program is being made available by the AOSSM for educational purposes only. This material is not intended to represent the only methods or procedures appropriate for the medical situation discussed, but rather it is intended to present an approach, view, statement, or opinion of the faculty, which may be helpful to others who face similar situations. Neither the content (whether written or oral) of any course, seminar or other presentation in the program, nor the use of a specific product in conjunction therewith, nor the exhibition of any materials by any parties coincident with the program, should be construed as indicating endorsement or approval of the views presented, the products used, or the materials exhibited by the AOSSM, or its Committees, Commissions, or Affiliates. The AOSSM makes no statements, representations or warranties (whether written or oral) regarding the Food and Drug Administration (FDA) status of any product used or referred to in conjunction with any course, seminar or other presentation being made available as part of this course. Faculty members shall have sole responsibility to inform attendees of the FDA status of each product that is used in conjunction with any course, seminar or presentation and whether such use of the product is in compliance with FDA regulations.

## DISCLOSURE STATEMENT

In accordance with the guidelines of the ACCME, it is the policy of the AOSSM that faculty and planners disclose to the learners all financial relationships during the past twelve months with any commercial interest (any entity producing, marketing, re-selling, or distributing health care goods and services consumed by, or used on, patients). Any and all disclosures will be provided in the final program that is distributed at the meeting. In accordance with AOSSM policy, faculty participation is predicated upon timely submission and review of AOSSM disclosures. Non-compliance results in faculty being stricken from the program.

## ON ORTHOREGENERATION NETWORK

The ON Orthoregeneration Network sets quality standards, spreads unbiased knowledge about orthoregeneration and links young professionals, experts and academic organizations all over the world. They build a strong network and guarantee innovation.

They believe that research is the engine of development and that linking and educating passionate young professionals is the way to advance the field of orthoregeneration significantly. Ultimately this will help the clinician and improve the quality of life for the patients.

## FRIDAY, OCTOBER 12

2:45pm – 8:00pm

### ORTHOBIOLOGICS IN THE REAL WORLD

- Moderator** **Brian J. Cole MD, MBA**
- 2:45pm **Welcome / Opening Comments**  
Brian J. Cole MD, MBA  
Jason L. Dragoo MD
- 2:50pm **OrthoBiologics at 30,000 feet – What Are They?**  
Rachel M. Frank MD
- 3:05pm **Overview of Regulatory Process**  
Kenneth R. Zaslav MD
- 3:20pm **The Inflammatory and Healing Process – Leveraging Biology with OrthoBiologics**  
C. Thomas Vangsness Jr., MD
- 3:35pm **Implementing OrthoBiologics into Practice**  
Brian J. Cole MD, MBA
- 3:50pm **Question and Answer**  
All Faculty

### RAPID FIRE OVERVIEW OF AVAILABLE TECHNOLOGY

- Moderator** **Jason L. Dragoo MD**
- 4:05pm **Near-term and Pharmacologic Options**  
Gloria Matthews DVM, PhD
- 4:20pm **PRP**  
Jason L. Dragoo MD
- 4:35pm **Stem Cell Biology and Overview**  
Arnold Caplan MD
- 4:50pm **BMA / BMC**  
Adam W. Anz MD
- 5:05pm **Adipose**  
Claude T. Moorman III, MD
- 5:20pm **Amniotic**  
Adam B. Yanke MD
- 5:35pm **Orthobiologics and Cartilage Repair: How Are They Used?**  
Rachel M. Frank MD
- 5:50pm **Question and Answer**  
All Faculty
- 6:00pm **Break with Pizza & Beer**

### ORTHOBIOLOGICS CASE DISCUSSIONS

- Moderator** **Rachel Frank MD**
- 6:30pm **Knee Osteoarthritis**  
Jason L. Dragoo MD
- 6:40pm **Lateral Epicondylitis**  
Allan Mishra MD
- 6:50pm **Patellar Tendonitis**  
Brian J. Cole MD, MBA
- 7:00pm **Hamstring Strains and Muscle Injury: PRP, PPP, Resolving the Controversy**  
Kristin Oliver MD
- 7:10pm **Achilles Tendinitis**  
Kamran Hamid MD
- 7:20pm **Plantar Fasciitis**  
Kamran Hamid MD
- 7:30pm **Adjunct to RCR**  
Brian J. Cole MD, MBA
- 7:40pm **Adjunct to ACL Management**  
Adam W. Anz MD
- 7:50pm **Question and Answer**  
All Faculty
- 8:00pm **ADJOURN**

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[SPORTSMED.ORG](http://SPORTSMED.ORG)



## SATURDAY, OCTOBER 13

7:00am – 4:00pm

7:00am **Daily Schedule Overview**  
 Brian J. Cole MD, MBA  
 Jason L. Dragoo MD

### VIDEO TECHNIQUE CORNER (HOW YOU DO IT)

**Moderator** Jack Farr II, MD

7:05am **PRP Techniques**  
Allan Mishra MD

7:15am **PRP and Muscle Injection Technique**  
Seth L. Sherman MD

7:25am **BMA / BMC Technique: ASIS**  
Brian J. Cole MD, MBA

7:35am **BMA / BMC Technique: PSIS**  
Kristin Oliver MD

7:45am **Amniotic**  
Kevin D. Plancher MD

7:55am **Treatment of Subchondral Bone:  
BMA / BMC vs. Subchondroplasty**  
Jack Farr II, MD

8:05am **Question and Answer**  
All Faculty

**Moderator** Adam Yanke MD

8:15am **Live Demonstration: Arthroscopic  
Harvest of Adipose Tissue**  
Jason L. Dragoo MD

8:30am **Video Technique: Adipose–  
Lipogems / Liposuction Harvest**  
Claude T. Moorman III, MD

8:40am **Video Technique:  
Adipose–Syringe Emulsification**  
Jason L. Dragoo MD

8:50am **Break**

### BIOLOGICS LAB

9:00–10:45am

**Cadaver Lab:** Adipose Derived Harvest and Processing Techniques

**Lab Leader:** Claude T. Moorman III, MD

9:00am **Technique 1: Lipogems / Lipoaspiration**  
**Technique 2: Adiprep / Syringe Emulsification / Lipoaspiration**

**Lab Leader:** Kristin Oliver MD

10:15am **BMA / BMC Aspiration Techniques of the Anterior and Posterior Iliac Crest**

10:45am **Break (boxed lunches in auditorium)**

### ULTRASOUND LECTURES

**Moderator** Kyle Pilz PA

11:15am **Ultrasound Theory and Technology**  
Douglas Hoffman MD

11:30am **Ultrasound Techniques:  
Shoulder / Elbow / Knee / Ankle / Hip Injection Intra-articular**  
Douglas Hoffman MD

12:20pm **Break**

### ULTRASOUND DIAGNOSTICS / ULTRASOUND GUIDED INJECTIONS LAB

12:30–4:00pm

*The goal of this lab is to allow attendees to familiarize themselves with ultrasound guided injections in the following areas (as time permits):*

#### Shoulder

- AC Joint
- Biceps
- Subacromial
- Intra-articular Shoulder Injections

*Live models available for imaging of the shoulder joint*

#### Elbow

- Intra-articular
- Lateral Epicondyle

#### Hip

- Intra-articular (anterior recess)

#### Knee

- Intra-articular
- Infrapatellar

#### Ankle

- Intra-articular