AMSSM 27th Annual Meeting

REACHING UP, REACHING OUT, REACHING AHEAD

FOR THE FUTURE OF SPORTS MEDICINE

Higher Exercise
Beyond Limits
Endurance
Regeneration
Pain Management
Nutrition
Research
Performance
Foot & Ankle

Farther Advancement
Past the Myths
Prevention
Full Spectrum
Controversy
Inclusion
Leadership

April 24 - 29, 2018
Lake Buena Vista, Florida (Orlando)
The American Medical Society for Sports Medicine Foundation gratefully acknowledges its 2018 Foundation Supporters: Arthrex, Inc.; DJO Global; Fidia Pharma USA Inc.; Flexion Therapeutics, Inc.; FUJIFILM SonoSite, Inc.; GE Healthcare; Halyard Health; Major League Soccer; National Basketball Association; National Football League; National Hockey League; NCAA; Össur Americas; Philips Healthcare; Samsung Neurologica; Sanofi Biosurgery; Sonex Health and Tenex Health.

The American Medical Society for Sports Medicine gratefully acknowledges the following companies for their educational grants in support of the AMSSM 27th Annual Meeting: Arthrex, Inc.; Fidia Pharma USA Inc.; Flexion Therapeutics, Inc.; Halyard Health; National Football League; NCAA; Össur Americas; Sanofi Biosurgery; Sonex Health; and Tenex Health.

The American Medical Society for Sports Medicine gratefully acknowledges its 2018 Annual Meeting Signature Supporters: BMJ (BJSM); Healthy Learning; Major League Soccer; National Basketball Association; National Hockey League; and Wolters Kluwer (CJSM).
on behalf of the 2018 Program Planning Committee, we invite you to the 27th AMSSM Annual Meeting in sunny Orlando, Florida on April 24-29, 2018. The meeting theme is “REACH: Reaching Up, Reaching Out, Reaching Ahead for the Future of Sports Medicine”. Our program offers educational opportunities for our entire membership from private practice to academic researchers and from students through seasoned sports medicine veterans. We’ve also left time to enjoy the “happiest place on earth” and connect with friends and colleagues.

This is an exciting time in sports medicine. Paradigms are changing, technology is advancing and AMSSM is leading the charge and shaping the future of sports medicine in the United States and throughout the world. We are “reaching out” like never before with increasing collaborations both within our membership, with other organizations and internationally. These collaborations are highlighted via our exchange lectures, invited guests and a new International Sports Medicine session inspired by our traveling fellowships. Our Collaborative Research Network (CRN) is fully operational, and we will be updating the membership on all the work that is being done to bring researchers together and have planned a really fun (yes, research can be fun) “Shark Tank” session where your votes will help in determining a research grant winner that will be announced during the meeting!

We continue to build on previously successfully educational offerings including hands-on Sports Ultrasound, ECG training, the return of the Economics pre-conference, new offerings for the private practice physician, expanding sports trauma management and connect with friends and colleagues.

Additional highlights of the 2018 meeting include:

- A thought provoking session on performance enhancing drugs featuring former Tour de France and Olympic cyclist Tyler Hamilton
- NFL CMO Dr. Allen Sills discussing issues regarding pain management in professional football
- Practical musculoskeletal sessions with renowned experts in foot/ankle including Drs. Ned Amendola (AOSSM Exchange) and Patrick McKeon as well as a session on hip disorders in athletes featuring Dr. Thomas Byrd.
- Ultrasound imaging pearls for foot/ankle and hip with guest lecturers Drs. Lev Nazarian (AIUM Exchange) and Johan Michaud.
- Controversial topics in nutrition including the high fat/low carb debate with Drs. Peter Brukner and Jeff Volek as well as a discussion of the role of the microbiome in health and sports performance.
- New advances in concussion diagnosis and management featuring Drs. John Leddy, Jon Patricios and other world experts.
- Regenerative medicine session including invited lecture on advances in cell therapy by Dr. Lisa Ann Fortier.
- International Traveling Fellow Dr. Hilde Berge from Norway presenting on “Medical Challenges in the Paralympian/Disabled Athlete”.
- Hot topics in physical activity and exercise medicine including discussions on medical education, training load monitoring and optimization, challenges in the elite paralympian as well as high intensity exercise and cardiovascular health with Dr. Barry Franklin (ACSM Exchange).

Of course we also have to mention the local attractions. Epcot® is a perfect opportunity to bring the whole family. Of Disney’s famous quotes, “It’s kind of fun to do the impossible”. If we all reach out and work together we can realize another accomplishment belongs to our entire group, a tribute to our combined efforts. Please join us in Orlando. As Walt Disney said, “Whatever we accomplish belongs to our entire group, a tribute to our combined effort”. If we all reach out and work together we can realize another of Disney’s famous quotes, “It’s kind of fun to do the impossible”. Please join us in Orlando. As Walt Disney said, “Whatever we accomplish belongs to our entire group, a tribute to our combined effort”. If we all reach out and work together we can realize another of Disney’s famous quotes, “It’s kind of fun to do the impossible”.

PROGRAM PLANNING COMMITTEE

Mederic M. Hall, MD; Program Chair
Irfan M. Asif, MD
Chad A. Asplund, MD, MPH
Kenneth P. Barnes, MD, MSc
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Thomas M. Best, MD, PhD
Marco E. Bosquez, MD
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Mark Stovak, MD
Anna L. Waterbrook, MD
John J. Wilson, MD, MS
Craig C. Young, MD
Jason L. Zaremski, MD
Tracy Zaslow, MD

Incoming AMSSM President
MEETING INFORMATION

PURPOSE
The AMSSM Annual Meeting is the premier educational meeting for sports medicine physicians and healthcare providers and it highlights the latest research and medical practices to enhance the care of sports medicine patients.

Clinical Practice and Patient Care: Attendees will gain a valuable breadth of medical knowledge regarding injury and disease evaluation, prevention and treatment for individuals engaged in all levels of physical activity.

Scientific Research: The meeting provides an academic forum and support network to discuss cutting edge research and promote scientific inquiry.

Advocacy and Healthcare Quality: The meeting addresses important healthcare, practice and legislative issues affecting sports medicine providers and patients.

Education: Attendees will learn, discuss and develop the ability to teach current, future and controversial issues in sports medicine.

Professional Support and Collaboration: The meeting fosters faculty development, collegial relationships, camaraderie and networking among sports medicine physicians and healthcare providers with a variety of interests and backgrounds.

STATEMENT OF NEED
A need for this course has been determined based upon previous course evaluations. The content of this course was based on current issues and hot topics provided by the American Medical Society for Sports Medicine (AMSSM) membership and leadership. The learning need was determined by program meeting evaluations and members of the Program Planning Committee, which represent a diverse sample of the entire AMSSM membership. Networking with our members was also utilized to determine their need.

TARGET AUDIENCE
Physicians and other health care providers interested in the field of sports medicine.

PROGRAM INFORMATION
AMSSM attests that the person(s) responsible for the development of this educational activity did so independently and were not influenced by commercial supporters.

FACULTY
A complete listing of the faculty will be included in the course syllabus.

DISCLOSURE STATEMENT
In accordance with the standards of the ACCME, it is the policy of AMSSM that faculty and planners disclose to the learners all financial relationships during the past 12 months with any commercial interest (any proprietary entity producing health care goods, or services consumed by, or used on, patients). All disclosures will be provided in the course syllabus, which will be distributed at the meeting to program participants. In accordance with AMSSM policy, faculty participation in this educational activity will be predicated upon timely submission and review of disclosures. Non-compliance will result in a faculty member being stricken from the program.

DISCLAIMER
The material in this continuing medical education program is being made available by the AMSSM for educational purposes only. This material is not intended to represent the only, nor necessarily the best, methods or procedures appropriate for the medical situation discussed, but rather is intended to present an approach, view, statement or opinion of the authors or presenters, which may be helpful, or of interest to other practitioners.
EXHIBITS
Exhibits will be on display Wednesday, April 25th through Friday, April 27th to complement the educational session.

EXHIBIT HALL HOURS

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<th>Date</th>
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<tr>
<td>Wednesday, April 25</td>
<td>4:00 p.m. - 8:30 p.m.</td>
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<td>Thursday, April 26</td>
<td>9:15 a.m. - 4:30 p.m.</td>
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<tr>
<td>Friday, April 27</td>
<td>9:00 a.m. - 4:30 p.m.</td>
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IMAGE/LIKENESS/VOICE RELEASE
I understand and agree that, as a result of participating in an AMSSM conference, my image, likeness or voice may be recorded by photography, video or other medium. I hereby grant irrevocable and unrestricted permission to AMSSM and its representatives or assignees to use my image, likeness or performance in any medium and for any purpose. I hereby waive any right to inspect or approve such use or materials. Your submission of your registration form acknowledges acceptance of these terms.

REFUND POLICY
All refund requests must be submitted in writing or emailed to AMSSM to both Kristin Ragsdale AND Michele Lane by March 29, 2018. No refunds will be issued after that date. Refunds will be processed following the meeting and will be subject to a $100 processing fee. If registering by mail and any optional educational activity requested is not available, you will be contacted to select an alternative option.

The planners and sponsors of this event claim no liability for the acts of any supplier(s) to this meeting or for the safety of any attendee at or while in transit to this event. The planners and sponsors reserve the right to cancel this event without penalty.

Attendees who purchase non-refundable airline tickets do so at their own risk. The total amount of any liability of the planners and sponsors will be limited to a refund of the registration fee.

Your submission of the registration form acknowledges acceptance of these terms.
ACCREDITATION

Accreditation Statement:
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education through the joint providership of The Medical College of Wisconsin and the AMSSM. The Medical College of Wisconsin is accredited by the ACCME to provide continuing medical education for physicians.

AMA Credit Designation Statement:
The Medical College of Wisconsin designates this for a maximum of 50.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Hours of Participation for Allied Health Care Professionals
The Medical College of Wisconsin designates this activity for up to 50.25 hours of participation for continuing education for allied health professionals.

Public Information About Activities Registered for ABIM MOC Recognition:
ACME publishes information about accredited CME activities that have been registered for ABIM MOC via its CME Finder. CME Finder is a publicly available, online search tool that provides a one-stop resource for physician learners seeking to earn MOC points by participating in accredited CME.

Participation shared with ABIM through PARS:
Individual participants’ information will be shared with ABIM through the ACCME Program and Activity Reporting System (PARS).

ABIM MOC Recognition Statement:
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 17.5 Medical Knowledge MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Participation shared with ABP through PARS:
Individual participants’ information will be shared with ABP through the ACCME Program and Activity Reporting System (PARS).

ABP MOC Statement:
Successful completion of this CME activity, which includes participation in the activity, with individual assessments of the participant and feedback to the participant, enables the participant to earn 17.5 MOC points in the American Board of Pediatrics’ (ABP) Maintenance of Certification (MOC) program. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABP MOC credit.

AAFP
This Live activity, AMSSM 27th Annual Meeting, with a beginning date of 04/24/2018, has been reviewed and is acceptable for up to 50.25 Prescribed credit(s) by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AOA
The American Medical Society for Sports Medicine (AMSSM) program has been accredited by the American Academy Family Physicians CME Credit System Department and the Commission on Continuing Professional Development (COCPD). This program is accepted by the American Medical Association as equivalent to AOA PRA Category 1 credits™. The AMSSM program identified will receive up to 50.25 of AOA Category 2-A CME credits:

“AMSSM 27th Annual Meeting”
April 24-29, 2018

Category A: BOC Approved Provider Number: P8132
The American Medical Society for Sports Medicine (AMSSM) program is approved by the Board of Certification, Inc. to provide continuing education to Certified Athletic Trainers. This program is eligible for a maximum of 50.25 Category A hours/CEUs. ATs should claim only those hours actually spent in the educational program.

AMSSM 27TH ANNUAL MEETING
REACHING UP, REACHING OUT, REACHING AHEAD
FOR THE FUTURE OF SPORTS MEDICINE
COURSE OBJECTIVES

Upon completion of this course, the participant should be able to:

- Describe key components of the foot and ankle physical examination.
- Understand sonographic imaging of select foot and ankle pathology.
- Describe the “foot core paradigm” and the clinical importance of intrinsic foot strength in the athlete.
- Discuss clinical decision making when returning an athlete to sport following foot and ankle injuries.
- Define the various types of impingement about the hip.
- Understand sonographic imaging of select hip disorders.
- Discuss the functional evaluation and non-operative management of athletic hip disorders.
- Discuss the high fat/low carbohydrate strategy for performance and its optimal indications and expected outcomes.
- Describe the ketogenic diet, its evidence for performance enhancement and potential side effects.
- Discuss nutrition strategies for the ultra-endurance athlete.
- Explain the potential role for microbiomes in musculoskeletal health and sports performance.
- Describe methods to include young athletes with autism in sports.
- Discuss legal issues pertaining to medically clearing an athlete.
- Describe medical challenges in disabled athletes.
- List common disorders seen in non-traditional sports.
- Describe the role of blood-based biomarkers for concussion, their potential clinical utility for concussion diagnosis and monitoring of post-concussive recovery and ongoing as well as future research regarding this topic.
- Discuss the use of sub-symptom threshold exercise in the post-concussion period for the abatement of symptoms and acceleration of recovery and explain when to implement or modify such an exercise program in the context of post-concussive symptoms and recovery.
- Assess visual and vestibular dysfunction following concussion, describe how clinicians should diagnose and identify these important entities and apply rehabilitation methods best utilized to alleviate visual and vestibular symptoms following concussion.
- Discuss the physiology, effectiveness and side-effects of the most commonly used and abused PEDs.
- Describe the perspective and strategies behind the use of PEDs by athletes.
- Identify current treatment strategies and best practices for the treatment of athletes that are currently and have used and abused PEDs.
- Explain the process behind a PED becoming a banned substance.
- Discuss challenges of pain management in professional athletes.
- Define different types of pain.
- Understand the mechanism of action of various pain relieving medications/modalities.
- Describe how to perform interventional procedures for acute pain management of fractures and dislocations.
- Define curricular elements that are needed within medical education to improve exercise counseling during patient encounters.
- Delineate the unique challenges that occur when training an athlete with physical disability.
- Discuss the benefits of high intensity exercise on cardiovascular health.
- Learn the molecular biologic basis for the use of human cells and tissues for the purpose of musculoskeletal pain relief and regeneration.
- Recognize current trends in the practice of regenerative therapies for musculoskeletal disease and the available evidence base for their use.
- Understand how regenerative therapies are being used in professional sports and post-injection physical therapy protocols that follow.
- Increase knowledge of return to play challenges involving athletes taking anti-coagulation medication.
- Indicate what exertional activities are acceptable after a patient undergoes a total hip and/or knee arthroplasty.
- Advise student-athletes, coaches and parents on what types of injuries knee braces have been shown to reduce or prevent injuries in American football.
- Discuss the use of ultrasound for diagnosis of pneumothorax.
- Discuss the use of ultrasound for sideline diagnosis of fractures.
- Discuss the use of ultrasound for the sideline diagnosis of intra-abdominal trauma.
- Recognize various airway emergencies that may be encountered in athletes.
- Understand basic airway management principles.
- Learn about the different airway management devices that are used in the pre-hospital setting.
- Discuss when to use a tourniquet, various types and proper placement.
- Understand when to use hemostatic agents, various types and how to pack the wound.
- Define a junctional wound and how to treat it.
- Discuss several clinical pearls for the sidelined management of auricular hematomas and auricular cartilage lacerations.
- Identify the nasal injuries requiring prompt intervention (i.e. septal hematoma and epistaxis) and their appropriate treatment.
- Recognize the key considerations for optimizing facial laceration repairs (e.g. re-approximating the vermilion border) and how to leverage regional anesthesia to facilitate these repairs.
- Review the immediate management of dental fractures and avulsions, including which dental injuries warrant emergent specialty evaluation.
TO REGISTER FOR THE MEETING

- Please register online to reserve your place for the meeting. You have the option to pay by check or credit card when you register online. If you pay by credit card, a receipt will be generated upon completion of your online registration. Click here for online registration — AMSSM members will need to login through “Member Log-in” prior to clicking on the online registration link.

- Attendees of any of the optional educational activities, ICLs and/or pre-conferences must also be a registrant of the AMSSM Annual Meeting.

- PLEASE NOTE: If you are registering for any optional educational activities or pre-conferences, your online registration ensures availability and reserves your place in the requested activity. With online registration, you have the option to pay by check or credit card. When paying by check, please include a printed copy of your online registration received through email when mailing your payment to the AMSSM office.

- OR, print and return the registration form along with your payment to the AMSSM office by fax or U.S. Mail. This method is not recommended if you want to register for the optional educational activities or pre-conferences. PLEASE NOTE: You will only be charged for the optional educational activities that are available at the time your registration form is received.

ADVANCE REGISTRATION

DEADLINE: MARCH 29, 2018

Advance registration is strongly encouraged and must be received by March 29, 2018. After this date, registration will still be open but the registration rates increase by $50 and the fee is increased to $100 for on-site registration.

REGISTRATION — INFORMATION HOURS

- Tuesday, April 24, 2018 ............... 6:00 a.m. - 9:00 a.m. (Sports US: Fundamentals of the Lower Extremity and Advanced Sports US Pre-Conference Registrants Only)
- Wednesday, April 25, 2018 ........... 5:45 a.m. - 6:55 p.m.
- Thursday, April 26, 2018 ............. 6:00 a.m. - 6:20 p.m.
- Friday, April 27, 2018 ................. 6:00 a.m. - 5:30 p.m.
- Saturday, April 28, 2018 ............. 6:00 a.m. - 5:00 p.m.
- Sunday, April 29, 2018 ............... 6:30 a.m. - 11:15 a.m.

REGISTRATION INCLUDES:

- Continental Breakfast (Thurs. – Sun.)
- Refreshment Breaks (Wed. – Sun.)
- AMSSM Welcome Reception in Exhibit Hall (Wed., April 25)
- Participation in the Fellowship Fair (for residents and students) (Sat., April 28)
- Conference Syllabus
- Access to the Exhibit Hall
- Opportunity to register for the optional events and pre-conferences

ADVANCE TICKET SAVINGS DISNEY THEME PARK TICKETS AVAILABLE FOR PURCHASE

AMSSM has negotiated with Disney to offer attendees and their guests special ADVANCE PURCHASE SAVINGS on Disney Theme Park tickets. Click here for ticket options/pricing and to purchase tickets online by clicking on the “Buy Tickets” button in the upper right-hand corner of the website OR you can purchase tickets by calling the Disney Ticket Reservation Center at (407) 566-5600.

On the “Advance Ticket Purchase” website link (above), Disney allows registrants and their families to purchase full-day/multi-day, discounted theme park tickets, as well as offers convention-only rate options for “After 2 p.m.” and “After 5 p.m.”

This special offer is available until 5 p.m. on April 23, 2018!
COURSE LOCATION

All of the educational sessions and exhibits will be held at the Swan & Dolphin Resort in Lake Buena Vista, Florida (Orlando). This award-winning resort is your gateway to Central Florida’s illustrious theme parks and attractions. Ideally located in-between Epcot® and Disney’s Hollywood Studios™ and close to Disney’s Animal Kingdom® and Magic Kingdom® Theme Parks. Enjoy the magical surroundings of the resort featuring the new Mandara Spa, 17 spectacular restaurants and lounges, five pools, a white sand beach, two health clubs as well as tennis and golf nearby. The resort is approximately a 20-minute drive to/from the Orlando International Airport.

ROOM RATE

A block of rooms has been reserved at the single/double occupancy rate of $229.00/night plus a $10.00/night resort service package fee. This does not include the applicable state and local taxes (currently 12.5%) subject to change without prior notice and any hotel specific fees in effect at the time of check-out. Guest room rates will be available three days prior and three days after the meeting dates in the room block, subject to availability of guest rooms at the time when making your reservation. There is an extra person charge of $25.00/night for room reservations with more than 2 people* per room. *Children under the age of 18 may stay for free in their parents’ room using existing bedding. The hotel will make every effort to accommodate your room preference for a room with a King bed or 2 double beds but the hotel cannot guarantee your request. Please Note: Room reservations with a King bed have a pull-out couch.

All reservations must be guaranteed to a major credit card with a deposit of one night’s room rate (including resort service package fee) plus applicable taxes.

Participants are encouraged to book their rooms in the hotel block to ensure AMSSM meets contracted obligations.

PLEASE MAKE YOUR RESERVATIONS EARLY!

SWAN & DOLPHIN RESORT
1500 Epcot Resorts Blvd.
Lake Buena Vista, FL 32830 (Orlando)
(407) 934-4000 (Hotel Direct Line)

Staying on-site at the Swan & Dolphin Resort allows you to enjoy many Disney benefits including:
• Disney’s Fastpass+ Benefit
• Extra Magic Hours Benefit at the Theme Parks
• Character Dining
• Advance Tee Times on Championship Disney Golf Courses
• Complimentary Parking at Disney Theme Parks

ROOM AND RATE AVAILABILITY CAN ONLY BE GUARANTEED UNTIL 5 P.M. ET ON MARCH 30, 2018 OR UNTIL THE BLOCK OF ROOMS IS SOLD OUT, WHICHEREVER COMES FIRST!

EARLY DEPARTURE FEE

In the event a guest checks out prior to the guest’s reserved checkout date, an early departure fee of one night’s room (including the resort service package fee) and applicable taxes will be charged. To avoid this fee, the guest must advise the hotel at or before check-in of any change in their scheduled length of stay.

CANCELLATION POLICY

Should you need to cancel your reservation, your individual deposit is refundable if notice is received prior to March 19, 2018. After this date, the deposit is non-refundable.

PARKING

The Swan & Dolphin Resort offers valet and self-parking options for guests and visitors.

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<tr>
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<th>Valet</th>
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<tr>
<td>Hotel Guests</td>
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<td>(Unlimited In/Out Privileges)</td>
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<td>Hotel Visitor</td>
<td>$30/entry</td>
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<td>(single entry – no in/out privileges)</td>
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HOTEL ACCOMMODATIONS FOR THE ANNUAL MEETING

The room block at the Swan and Dolphin Resort is currently sold out. Please continue to check room availability frequently for cancellations. For alternative hotel option(s), please check the Annual Meeting Conference page on the AMSSM website.
AMSSM Foundation Mission

The American Medical Society for Sports Medicine Foundation is dedicated to the support & recognition of excellence in Sports Medicine education, research and scientific activities, while promoting opportunities for humanitarian outreach.

2018 FOUNDATION SILENT AUCTION

Wednesday, April 25, 2018  1:30 p.m. - 8:00 p.m.
Thursday, April 26, 2018  7:00 a.m. - 6:20 p.m.
Friday, April 27, 2018  7:00 a.m. - 9:55 a.m.*
*The Silent Auction ends five minutes before the conclusion of the mid-morning refreshment break.

In its 8th year, the AMSSM Foundation Auction continues to support and benefit AMSSM programs that promote research, education and initiatives developed by AMSSM funded by the Foundation. For the last seven years, the AMSSM Foundation Auction has collectively raised more than $214,000 providing a substantial source of funding.

Looking ahead to the upcoming Annual Meeting, we’re asking members to consider what item(s) or package(s) you, your team, university and/or company might donate for the 2018 Foundation Auction. Auction items ranging from authentic sports memorabilia and event tickets to scenic vacation stays, as well as course registrations are popular items. Members affiliated with professional and collegiate teams can also consider donating team apparel or memorabilia that will be included in the auction. You can view the 2018 Annual Meeting web page for a copy of the Auction Donation form and the Prospective Donor Letter that you can pass on to your employer, team, league, etc. You can also submit your form online. Donors will receive letters acknowledging their gift for tax purposes. Winning bidders may claim a tax deduction for anything paid above fair market value.

Note: Please submit the Auction Donation Form by March 17, 2018, to be included in the online catalog of Auction items donated.

AMSSM WELCOME RECEPTION

WEDNESDAY, APRIL 25, 2018  •  7:00 P.M. - 8:30 P.M.
EXHIBIT HALL
SWAN & DOLPHIN RESORT
HORS D’OEUVRES AND A CASH BAR WILL BE AVAILABLE

Make plans to join all your AMSSM colleagues at the AMSSM Welcome Reception!

2018 AMSSM Foundation Contributors’ Party (Off-Site)
By Invitation Only*

Friday, April 27, 2018  •  8:00 p.m. - 12:00 a.m.
(No Admittance after 8:45 p.m.)
FIREWORKS, DESSERT & SOARIN’ AT EPCOT®

*Foundation donation must be received by April 19, 2019 — Separate donation required for guests to attend.

The party begins with a dessert & drinks reception and a fireworks show. The remainder of the evening will be at one of Epcot’s top attractions, the Soarin’ ride, along with drinks and dancing led by a DJ.

Members who make a gift of $100* or more (gifts of $50* or more from Fellowship, Resident and Student members) after the 2017 AMSSM 26th Annual Meeting up until April 11, 2018 are invited to the Foundation Contributors’ Party. Please note: a separate $100 minimum donation per guest attending is required ($50 for Fellows'/Residents'/Students’ spouses/guests).

Those making a $250 or more gift to the Foundation are invited to bring a spouse/significant other. Log-in through “Member Log-in” and make your gift now to join this memorable event!

*Please Note: For security purposes and capacity limits, Foundation donations MUST be received by April 11, 2018 in order to attend. AMSSM is required to turn in final guaranteed numbers in advance of the meeting and distribute tickets at registration.

This will be an event you won’t want to miss!

Make your gift to the AMSSM Foundation by clicking here.

ANNUAL GIVING LEVELS

• Founders’ Circle*.......................... $2,000+
• Platinum.................................. $1,000+
• Gold............................................. $500 - $999
• Silver........................................... $250 - $499
• Bronze ........................................ $100 - $249
• Fellows, Residents and Students.. $50 - $99

*As part of $10,000 or more commitment made over a five-year period.
AMSSM Giving Back...

What: 5th Annual AMSSM Foundation Humanitarian Service Project

When: Tuesday, April 24 from 9 a.m. - 5 p.m. before the Annual Meeting begins – Choose between three shift options:
• 9 a.m. - 1 p.m.
• 12 p.m. - 5 p.m.
• All Day (9 a.m. - 5 p.m.)

Who: All AMSSM members, family and friends are invited to volunteer their time.

AMSSM members seek to help youth get more active and have greater opportunities to thrive as a result of the AMSSM Foundation Humanitarian Service Project. Past projects have been very hands-on and strive to make a tangible difference in the community with the help of a non-profit organization.

Possible scope of work:
• Basketball court resurfacing
• Athletic field work
• Playground resurfacing/landscaping/repair
• Park renovation
• Restoring/refurbishing learning facilities

There are two ways you can participate in this valuable and life-changing project:

• Volunteer: Register for the Tuesday, April 24 service project by completing the Service Project section within the Annual Meeting Registration form to sign-up. Please include each friend and family member as a volunteer on the registration form. AMSSM requests your commitment by April 6, 2018.

• Make a gift: The project will cost $10,000 to $12,000. To donate, please indicate “Humanitarian” as your Foundation gift designation option. Click here to donate.

Transportation to/from Swan & Dolphin Resort, lunch and a commemorative t-shirt will be provided to volunteers.

MAKE PLANS NOW TO ROLL UP YOUR SLEEVES AND GIVE BACK ALONGSIDE AMSSM LEADERS, FRIENDS AND COLLEAGUES!
TARGET AUDIENCE/OVERVIEW
The Advanced Sports Ultrasound Pre-Conference is for those who are already competent at Sports Ultrasound and are looking to refine and expand their skills. Those attending this course should have at least 20 hours of previous US CME and use ultrasound with reasonable frequency in clinical practice.

PRE-CONFERENCE OBJECTIVES
Upon completion of this course, the participant should be able to:
• Discuss the anatomy of the brachial plexus, nerves of the upper extremity and pectoralis major muscle tendon unit.
• Describe how to perform a sports ultrasound evaluation of the brachial plexus, nerves of the upper extremity and pectoralis major muscle tendon unit.
• Identify the common sonographic abnormalities of the brachial plexus, nerves of the upper extremity and pectoralis major muscle tendon unit.
• Recognize masses that are commonly encountered in the sports medicine ultrasound examination.

PROGRAM
6:00 a.m. - 7:00 a.m. Registration
7:00 a.m. - 7:10 a.m. Introduction.......................................................Douglas Hoffman, MD and Joanne Borg-Stein, MD
7:10 a.m. - 7:35 a.m. AIUM EXCHANGE LECTURE: Brachial Plexus .................................................Keynote: Levon N. Nazarian, MD
7:35 a.m. - 7:55 a.m. AIUM EXCHANGE LECTURE: Live Demonstration Scan of the Brachial Plexus ....Keynote: Levon N. Nazarian, MD
7:55 a.m. - 8:45 a.m. 2 Minutes/2 Slides/2 Minute Scan of Topics Related to the Brachial Plexus ..........................................................Moderator: Joanne Borg-Stein, MD
8:45 a.m. - 8:55 a.m. Brachial Plexus Questions
8:55 a.m. - 9:00 a.m. BREAK
9:00 a.m. - 11:00 a.m. Live Scanning of Brachial Plexus ..........................................................Scanning Faculty
11:00 a.m. - 11:45 a.m. BOX LUNCH (provided)
11:45 a.m. - 12:15 p.m. Nerves of the Upper Extremity from Top to Bottom ........................................Johan Michaud, MD, FRCPC
12:15 p.m. – 12:40 p.m. Live Demonstration Scan of the Nerves of the Upper Extremity ............................Johan Michaud, MD, FRCPC
12:40 p.m. - 12:55 p.m. The Pectoralis Major ..................................................................................Christopher J. Visco, MD
12:55 p.m. – 1:05 p.m. Live Demonstration Scan of the Pectoralis Major .................................................Christopher J. Visco, MD
1:05 p.m. - 1:25 p.m. Commonly Encountered Lumps and Bumps During the MSK Ultrasound Examination ......Douglas Hoffman, MD
1:25 p.m. - 1:35 p.m. Question and Answer Session
1:35 p.m. - 1:45 p.m. BREAK
1:45 p.m. - 3:45 p.m. Live Scanning of Nerves of the Upper Extremity and Pectoralis Major ........................Scanning Faculty
3:45 p.m. Adjourn
SPORTS ULTRASOUND:
FUNDAMENTALS OF THE LOWER EXTREMITY PRE-CONFERENCE
TUESDAY, APRIL 24, 2018 • 9:00 a.m. - 6:00 p.m.

TARGET AUDIENCE/OVERVIEW
Sports Ultrasound: Fundamentals of the Lower Extremity is a course designed to enhance the skills of those with either a novice or intermediate knowledge of sports ultrasound. It will introduce the basic principles of diagnostic and interventional ultrasound in a sports medicine practice with particular emphasis on the lower extremity. The sonographic appearance of normal and pathologic structures will be discussed and scanning technique will be demonstrated, including hands-on scanning time with experienced faculty.

PRE-CONFERENCE OBJECTIVES
Upon completion of this course, the participant should be able to:
• Discuss the basic instrumentation and physics of sports ultrasound.
• Describe how to differentiate normal structures from pathology on ultrasound, particularly with respect to structures relevant to sports ultrasound.
• Explain the advantages and disadvantages of ultrasound versus other imaging modalities in sports medicine.
• Demonstrate how to perform a systematic sonographic examination of the hip, knee, foot and ankle.
• Apply diagnostic and interventional ultrasound to the clinical treatment of patellar tendinopathy.
• Describe how to incorporate sports ultrasound into medical education.

PROGRAM CHAIR – SPORTS ULTRASOUND COURSES
Mederic M. Hall, MD

CO-COURSE DIRECTORS
Evan Peck, MD
Shane A. Shapiro, MD

CONFIRMED COURSE FACULTY/SCANNING FACULTY
Casey G. Batten, MD
Joshua G. Hackel, MD
Jonathan S. Halperin, MD
Elena (Ellie) Jelsing, MD
Robert Monaco, MD, MPH
Evan Peck, MD
Jacob L. Sellon, MD
Shane A. Shapiro, MD

SCANNING FACULTY
Fred H. Brennan Jr, DO
Arthur Jason De Luigi, DO, MHSA
Emily E. Dixon, DO
Robert Flannery, MD
Sadiq Haque, DO
John C. Hill, DO
Garry W.K. Ho, MD, CIC
Yaowen Eliot Hu, MD
Prathap Jayaram, MD
Gerard A. Malanga, MD
R. Amadeus Mason, MD
Joshua Rothenberg, DO
Bradley Sandella, DO, ATC(R)
Ricardo J. Vasquez-Duarte, MD
David N. Westerdahl, MD

REGISTRATION INFORMATION
• Pre-registration and separate fee required
• Registration is on a first-come, first-served basis
• Register on the meeting registration form (online encouraged)
• Limited to 76 participants

PROGRAM
9:00 a.m. - 9:10 a.m. Introduction ................................................................. Evan Peck, MD and Shane A. Shapiro, MD
9:10 a.m. - 9:30 a.m. Sports Ultrasound Instrumentation, Basic Physics and Normal Appearance of Basic Structures ................................................................. Shane A. Shapiro, MD
9:30 a.m. - 9:50 a.m. Knee Ultrasound Live Demonstration ........................................... Joshua G. Hackel, MD
9:50 a.m. - 10:10 a.m. Sonography of Knee Pathology ....................................................... Evan Peck, MD
10:10 a.m. - 10:30 a.m. Hip Ultrasound Live Demonstration ...................................... Jacob L. Sellon, MD
10:30 a.m. - 10:50 a.m. Sonography of Hip Pathology ..................................................... Robert Monaco, MD, MPH
10:50 a.m. - 11:00 a.m. BREAK/Question and Answer Session
11:00 a.m. - 1:00 p.m. Hands-on Scanning of Knee and Hip ................................................................. All Faculty
1:00 p.m. - 2:00 p.m. BOX LUNCH (provided)
2:00 p.m. - 2:20 p.m. Sonographic Approach to the Diagnosis and Treatment of Patellar Tendinopathy ........ Evan Peck, MD
2:20 p.m. - 2:40 p.m. Foot and Ankle Ultrasound Live Demonstration ............................... Jonathan S. Halperin, MD
2:40 p.m. - 3:00 p.m. Sonography of Foot and Ankle Pathology ........................................ Elena (Ellie) Jelsing, MD
3:00 p.m. - 3:10 p.m. BREAK/Question and Answer Session
3:10 p.m. - 3:30 p.m. Sports Ultrasound in Medical Education ........................................... Jacob L. Sellon, MD
3:30 p.m. - 4:00 p.m. Panel Discussion: Incorporating Ultrasound into Sports Medicine Practice ..........Lecturing Faculty
4:00 p.m. - 6:00 p.m. Hands-on Scanning of Foot and Ankle ................................................................. All Faculty
TARGET AUDIENCE/OVERVIEW
This workshop is meant for learners of all sports ultrasound skill levels (novice to advanced). The learner purchases 30-minute increments of one-on-one, hands-on ultrasound scanning time with a sports ultrasound expert to learn the sports ultrasound skill(s) of their choice. This enables the learner to customize the content of their learning session and to acquire a specific sports ultrasound skill.

PROGRAM CHAIR – SPORTS ULTRASOUND COURSES
Mederic M. Hall, MD

WORKSHOP DIRECTOR
Douglas Hoffman, MD

ONE-ON-ONE CUSTOMIZED SPORTS ULTRASOUND LEARNING WORKSHOP

TWO SESSIONS

WEDNESDAY, APRIL 25, 2018 • 10:30 a.m. - 12:00 p.m. (30-Minute Time Slots)
THURSDAY, APRIL 26, 2018 • 1:30 p.m. - 3:30 p.m. (30-Minute Time Slots)

TARGET AUDIENCE/OVERVIEW
This workshop is meant for learners of all sports ultrasound skill levels (novice to advanced). The learner purchases 30-minute increments of one-on-one, hands-on ultrasound scanning time with a sports ultrasound expert to learn the sports ultrasound skill(s) of their choice. This enables the learner to customize the content of their learning session and to acquire a specific sports ultrasound skill.

PROGRAM CHAIR – SPORTS ULTRASOUND COURSES
Mederic M. Hall, MD

WORKSHOP DIRECTOR
Douglas Hoffman, MD

CONFIRMED WORKSHOP FACULTY

WEDNESDAY, APRIL 25, 2018
Erik S. Adams, MD, PhD
Blake Boggess, DO
Douglas Hoffman, MD
Timothy J. Mazzola, MD
Robert Monaco, MD, MPH
Levon N. Nazarian, MD
Jeffrey M. Payne, MD
Jay Smith, MD

THURSDAY, APRIL 26, 2018
Troy Henning, DO
Anthony E. Joseph, MD
Kenneth R. Mautner, MD
Johan Michaud, MD, FRCP
Kentaro Onishi, DO
Jeremiah W. Ray, MD
Jacob L. Sellon, MD
Christopher J. Visco, MD

REGISTRATION INFORMATION
- Limited to AMSSM Members Only
- Pre-registration and separate fee required
- Registration is on a first-come, first-served basis

IMPORTANT INFORMATION
The “One-on-One Customized Sports Ultrasound Learning Workshop” sessions are only available to AMSSM members. Please sign-up for your customized one-on-one session(s) on the registration form (online registration is strongly encouraged) to secure your slot(s).

Slots are purchased in 30-minute increments with a maximum of 4 slots (2 hours) per registrant. You will be paired up with a faculty member and notified by email confirming the topic(s) and time assigned for your customized learning session(s).

Registration is very limited, with 7 MSK slots and 1 Non-MSK slot available per ½-hour.

When you register, you will need to select a time slot for each 30-minutes you want to purchase – maximum 4 slots/member (2 hours).

Wednesday, April 25
10:30am-11:00am
11:00am-11:30am
11:30am-12:00pm

Thursday, April 26
1:30pm-2:00pm
2:00pm-2:30pm
2:30pm-3:00pm
3:00pm-3:30pm

On the registration form, please include the following:
- Select a “30-minute” time slot (Please Note: If you want additional time, you must register for each 30-minute time slot separately – Maximum: 4 slots/member (2 hours)
- Indicate if you are requesting a Non-MSK slot (only 1 Non-MSK slot available every half-hour).
- Describe the specific sports ultrasound skill you want to learn during each learning session (30-minute time slot).
- Indicate your current sports ultrasound skill level (novice, intermediate, advanced).

If you want to request two time slots or more for the same sports US skill, you will need to register for each 30-minute time slot separately.
**OVERVIEW**
The Fellowship Forum is a pre-conference meeting that presents current issues important to the training of primary care physicians in the discipline of sports medicine. The Fellowship Committee invites directors and fellows (current and future) to participate.

**TARGET AUDIENCE**
Students, residents, fellows, assistant fellowship directors and fellowship directors.

**GOALS AND OBJECTIVES**
Upon completion of this course, the participant should be able to:
- Present new information and provide a forum for new ideas that pertain to the training of fellows in primary care sports medicine.
- Offer updated information regarding ongoing projects of the Fellowship Committee.
- Create a venue for current fellows to voice comments and concerns regarding fellowship training.

**CO-CHAIRS**
Irfan M. Asif, MD  
Amanda K. Weiss Kelly, MD

**CO-MODERATORS**
Irfan M. Asif, MD  
Jennifer Malcolm, DO  
Amanda K. Weiss Kelly, MD

**FACULTY**
Irfan M. Asif, MD  
Kevin deWeber, MD  
Yaowen Eliot Hu, MD  
Morteza Khodaee, MD, MPH  
Stephanie Kliethermes, PhD  
Andrea Kussman, MD  
Matthew S. Leiszler, MD  
Marcia Newby-Goodman, MD  
Richard A. Okragly, MD  
James C. Puffer, MD  
Isaac P. Syrop, MD  
Thomas Trojan, MD  
Amanda K. Weiss Kelly, MD  
Jason L. Zaremski, MD

**PROGRAM**

**JOINT SESSION 7:00 a.m. - 7:35 a.m.**
7:00 a.m. - 7:05 a.m. AMSSM 2018 Fellowship Forum Overview ..........................Irfan M. Asif, MD  
7:05 a.m. - 7:15 a.m. AMSSM Collaborative Research Network: High Priority Initiatives...............Stephanie Kliethermes, PhD  
7:15 a.m. - 7:25 a.m. Identifiable Factors Associated with Acceptance into Sports Medicine Fellowship Programs............................................................Jason L. Zaremski, MD  
7:25 a.m. - 7:35 a.m. Sports Medicine Fellowship Performance Index ..............................................Irfan M. Asif, MD  
7:35 a.m. Split to Separate Sessions

**Directors’ Session 7:35 a.m. - 9:30 a.m. (Concurrent Sessions)**
7:35 a.m. - 8:05 a.m. News from the ABFM .........................................................James C. Puffer, MD  
8:05 a.m. - 8:15 a.m. Fellows Regional Ultrasound Courses/Study Groups ...........................Thomas Trojan, MD  
8:15 a.m. - 8:25 a.m. ACGME Updates.................................................................Richard A. Okragly, MD  
8:25 a.m. - 8:35 a.m. Fellowship Survey..............................................................Kevin deWeber, MD  
8:35 a.m. - 8:40 a.m. ITE Update........................................................................Morteza Khodaee, MD, MPH  
8:40 a.m. - 8:45 a.m. Match Ethics Committee ..................................................Amanda K. Weiss Kelly, MD  
8:45 a.m. - 9:30 a.m. Question/Answer Session..................................................Faculty Panel

**Fellows’ Session 7:35 a.m. - 9:30 a.m. (Concurrent Sessions)**
7:35 a.m. - 7:55 a.m. Overview (Job Search/Fellowship Fair/Fellow & Resident ICL/Fellows’ Web Resource/ Fellowship Field Manual/Residency Prep Track/ETAS Review/CAQR Review) ...............Yaowen Eliot Hu, MD  
7:55 a.m. - 8:15 a.m. Job Salary Survey Review ..................................................Matthew S. Leiszler, MD  
8:15 a.m. - 8:35 a.m. Resident and Fellow Web Resources ..................................Andrea Kussman, MD  
8:35 a.m. - 9:05 a.m. Year in Review: 2017-2018 ................................................Isaac P. Syrop, MD  
9:05 a.m. - 9:15 a.m. Fellow Representative Goals for 2018-2019 ..........................Marcia Newby-Goodman, MD  
9:15 a.m. - 9:30 a.m. Question/Answer Session
OVERVIEW
This workshop will focus on practical aids to develop an economically-successful sports medicine practice. The topics to be discussed include:

- Maximizing billing and coding for clinic and procedures.
- Maneuvering the work RVU minefield.
- Adding cash procedures into your practice.
- Successful reimbursement, credentialing and marketing for a sports medicine practice.
- Growing your practice through smart use of ancillary revenue sources and community involvement.
- How is MIPS/MACRA going to affect your practice.

The workshop is relevant to any sports medicine clinician who is looking to optimize clinical production, either in an employed position or in private practice.

Adequate time for questions and answers as well as case studies will be provided with a panel discussion following the presentations.

TARGET AUDIENCE
This workshop will cater to a broad audience that includes residents, fellows, as well as new and established practitioners.

WORKSHOP OBJECTIVES
Upon completion of this course, the participant should be able to:

- Identify how to maximize office revenue through effective billing and coding.
- Discuss the work RVU system and how it can affect your bottom line.
- Describe how to initiate cash procedures into a practice.
- Describe which practice marketing techniques are used for sports medicine clinicians.
- Discuss the economic arguments for and against having ancillary services such as x-ray or physical therapy in the office.
- Discuss the economic arguments for having relationships with local schools and hours at athletic training rooms.
- Discuss MIPS/MACRA as it might relate to a sports medicine practice.

CHAIR
Michael Swartzon, MD

FACULTY
Kory Gill, DO
Kimberly G. Harmon, MD
Jennifer Scott Koontz, MD, MPH
Jason M. Matuszak, MD
Luis Alfredo Rodriguez, MD
Michael Swartzon, MD

REGISTRATION INFORMATION
- Pre-registration and separate fee required
- Registration is on a first-come, first-served basis
- Register on the meeting registration form (online encouraged)

PROGRAM

9:45 a.m. - 9:50 a.m.
Introduction ................................................................................................................... Michael Swartzon, MD

9:50 a.m. - 10:15 a.m.
Billing and Coding ..................................................................................................... Michael Swartzon, MD
- Ambulatory Clinic Codes
- Ultrasound/Procedure Codes
- wRVUs

10:15 a.m. - 10:25 a.m.
Adding Cash Procedures to Your Practice ............................................................... Kimberly G. Harmon, MD
- Pricing PRP and Other Procedures

10:25 a.m. - 10:45 a.m.
Business Aspects/Getting Paid ............................................................................. Jason M. Matuszak, MD
- Reimbursement/Insurance Issues
- Contracts
- Credentialing
- Marketing
- Stark Law/Self-Referral Issues

10:45 a.m. - 11:05 a.m.
Growing Your Practice .............................................................................................. Kory Gill, DO
- Ancillary Services: DME, Performance Labs, EKGs
- Exercise/Concussion Testing, Dry Needling
- Training Room/Community Coverage
- Partnerships

11:05 a.m. - 11:15 a.m.
MACRA/MIPS ....................................................................................................... Jennifer Scott Koontz, MD, MPH and Luis Alfredo Rodriguez, MD
- Implementation
- Prime

11:15 a.m. - 11:45 a.m.
Panel Discussion ...................................................................................................... All Faculty
- Question and Answer Session
AMSSM/NCAA: KEY ISSUES FOR THE COLLEGE TEAM PHYSICIAN*

WEDNESDAY, APRIL 25, 2018  •  9:45 a.m. - 11:45 a.m.

*The AMSSM Foundation gratefully acknowledges the NCAA for their educational grant in support of this pre-conference.

OVERVIEW

This workshop focuses on key areas to promote the health and safety of the collegiate athlete.

OBJECTIVES

Upon completion of this pre-conference, the participant should be able to:

• Outline priorities and current initiatives from the NCAA Sport Science Institute.
• Describe the initiatives that have resulted from the NCAA Sleep Summit.
• Apply the recommendations from the NCAA Mental Health Task Force to their own institution.
• Summarize the NCAA recommendations on Independent Medical Care.
• Translate the findings from the NCAA Concussion Study to their own practices.

CO-CHAIRS

Sourav K. Poddar, MD
Mark Stovak, MD

FACULTY

Chad A. Asplund, MD, MPH
Brian Hainline, MD
Eugene Hong, MD
John T. Parsons, PhD, AT

REGISTRATION INFORMATION

• Pre-registration required, no fee
• Registration is on a first-come, first-served basis
• Register on the meeting registration form (online encouraged)

AMSSM/NCAA ECG WORKSHOP: THE INTERNATIONAL CRITERIA FOR ECG INTERPRETATION IN ATHLETES*

WEDNESDAY, APRIL 25, 2018  •  12:00 p.m. - 2:00 p.m.

*The AMSSM Foundation gratefully acknowledges the NCAA for their educational grant in support of this pre-conference.

OVERVIEW

This workshop provides a “hands-on” experience to review and apply the “International Criteria” for ECG interpretation in athletes. Participants will be provided with example ECGs to review prior to the session.

COURSE OBJECTIVES

Upon completion of this pre-conference, the participant should be able to:

• Distinguish normal physiologic ECG findings from ECG abnormalities requiring more investigation.
• Correctly identify ECG abnormalities in athletes.
• Outline the secondary evaluation of specific ECG abnormalities.
• Apply the latest “International Criteria” for ECG interpretation in athletes into daily practice.

CHAIR

Jonathan A. Drezner, MD

FACULTY

Casey G. Batten, MD
Jonathan A. Drezner, MD
Kimberly G. Harmon, MD
David E. Price, MD
Ashwin L. Rao, MD
David M. Siebert, MD

REGISTRATION INFORMATION

• Pre-registration required, no fee
• Registration is on a first-come, first-served basis
• Register on the meeting registration form (online encouraged)
AMSSM/ACSM: CAQ PREPARATION REVIEW SESSION

WEDNESDAY, APRIL 25, 2018 • 12:00 p.m. - 2:00 p.m.

OVERVIEW
The goal of this two-hour session is to provide a concise review of essential information for preparation for the Sports Medicine CAQ examination. The topics selected are based upon the required content areas of the examination. The format will consist of five presentations that will emphasize key points for each of the content areas that are presented. Pearls and pitfalls will be highlighted.

COURSE OBJECTIVES
Upon completion of this course, the participant should be able to:

• Become familiar with selected content areas of the Sports Medicine CAQ that are required, but may be overlooked.
• Understand the current standards for the management of these selected conditions.
• Discuss common dermatologic, osteoporosis and hip issues seen in sports medicine.
• Discuss cervical, brachial plexus and peripheral nerve injuries seen in sports medicine.

CO-CHAIRS (AMSSM)
M. Kyle Smoot, MD
Mark Stovak, MD

CO-CHAIRS (ACSM)
Kevin R. Vincent, MD, PhD
Jason L. Zaremski, MD

FACULTY
Yaowen Eliot Hu, MD
Jennifer Scott Koontz, MD, MPH
M. Kyle Smoot, MD
Mark Stovak, MD
Jason L. Zaremski, MD

PROGRAM
Sports Dermatology .................................................................................................................. M. Kyle Smoot, MD
Stingers/Burner/Transient Quadriparesis .................................................................................. Jason L. Zaremski, MD
Hip Issues ................................................................................................................................. Yaowen Eliot Hu, MD
Osteoporosis ............................................................................................................................ Jennifer Scott Koontz, MD, MPH
Lower Extremity Neuropathies ................................................................................................. Mark Stovak, MD

OPTIONAL EDUCATIONAL PRE-CONFERENCES

KEY ISSUES FOR THE PROFESSIONAL/ELITE TEAM PHYSICIAN*

WEDNESDAY, APRIL 25, 2018 • 12:00 p.m. - 2:00 p.m.

*The AMSSM Foundation gratefully acknowledges the NFL for their educational grant in support of this pre-conference.

OVERVIEW
This course seeks to inform the young Sports Medicine Physician who has taken on the role of team physician for an elite/professional athlete with some useful tools from the perspective of experienced physicians in this arena.

CHAIR
Jeffrey L. Tanji, MD

PANELISTS
Lisa R. Callahan, MD
Cindy J. Chang, MD
John P. DiFiori, MD
Margot Putukian, MD
Allen K. Sills, MD
Andrew M. Tucker, MD

REGISTRATION INFORMATION
• Pre-registration required, no fee
• Registration is on a first-come, first-served basis
• Register on the meeting registration form (online encouraged)

PROGRAM
12:00 p.m. - 12:15 p.m. MLS ........................................................................................................................ Margot Putukian, MD
12:15 p.m. - 12:30 p.m. Olympics/Paralympics ......................................................................................... Cindy J. Chang, MD
12:30 p.m. - 12:45 p.m. NBA ........................................................................................................................ John P. DiFiori, MD
12:45 p.m. - 1:00 p.m. NBA ........................................................................................................................ Lisa R. Callahan, MD
1:00 p.m. - 1:15 p.m. NFL ............................................................................................................................ Andrew M. Tucker, MD
1:15 p.m. - 1:30 p.m. NFL ............................................................................................................................ Allen K. Sills, MD
1:30 p.m. - 2:00 p.m. Question and Answer Session ...................................................................................... All Faculty

REGISTRATION INFORMATION
• Pre-registration required, no fee
• Registration is on a first-come, first-served basis
• Register on the meeting registration form (online encouraged)
OPTIONAL EDUCATIONAL ACTIVITY
Sideline Management Assessment Response Techniques – Emergency Sports Trauma Workshop

S.M.A.R.T. – E.S.T. WORKSHOP Hands-on Skills for the Sideline Physician

SATURDAY, APRIL 28, 2018 • 5:00 p.m. - 8:15 p.m.
Register for the S.M.A.R.T. – E.S.T. Workshop on the Meeting Registration Form

This three-hour workshop offers five concurrent 50-minute sessions where each participant will rotate through three of the five sessions. Each participant can pre-register for three of the five 50-minute sessions. Placement of each participant in the three sessions is based on the participant’s ranked preference order and availability when their registration was processed.

WORKSHOP OVERVIEW
This workshop will provide the physician with the skills to appropriately evaluate and manage injuries on the athletic field and sideline. This is a hands-on, interactive workshop; participants will be expected to participate in clinical, functional, immobilization and evaluation techniques.

TARGET AUDIENCE/GOALS
The workshop will increase the confidence and competence of the physician who is currently or desiring to provide medical coverage of athletic events. An emphasis will be placed on providing teaching points of the evaluation and management techniques for physicians interested to bring this program back to their local communities. Physicians and athletic trainers are encouraged to participate in the workshop together.

WORKSHOP OBJECTIVES
At the conclusion of the workshop, the participant should be able to:
• Appropriately manage, on the field, an athlete with a suspected acute spine injury.
• Appropriately manage acute ocular/orbital injuries.
• Appropriately manage acute dental injuries.
• Appropriately manage facial injuries and use of regional anesthesia.
• Appropriately manage acute ear lacerations and auricular hematomas.
• Appropriately manage acute nasal emergencies.
• Appropriately manage, on the field, airway management of an athlete in distress.
• Appropriately manage, on the field, an athlete with a suspected acute fracture and/or dislocation.
• Provide sideline assessment of an individual’s readiness to return to physical activities utilizing a progression of functional activities.

EBP CEU’s: A total of 4 EBP CEU’s to athletic trainers and physicians who also maintain their athletic training certification will be awarded for participation if registered for Sessions D and E.

REGISTRATION INFORMATION
• Pre-registration and separate fee required
• Registration is on a first-come, first-served basis
• Register on the meeting registration form (online encouraged)

PROGRAM
5:00 p.m. - 5:10 p.m.
Review of Game Plan (All participants)

5:15 p.m. - 7:55 p.m.
Game Time (Jamboree/Round Robin Approach)

On-Field Management of Injuries
Breakout Lab Sessions with Attendee Participation

Rotation through three of the five sessions (50 minutes each) — Within each 50-minute session, the participant will be exposed to two separate topics and interactive labs.

Placement in each of the three sessions is based on participant’s ranked preference order and availability when registration was processed.

Rotation Times
5:15 p.m. - 6:05 p.m. — Rotation 1
6:10 p.m. - 7:00 p.m. — Rotation 2
7:05 p.m. - 7:55 p.m. — Rotation 3

Each session below is limited to 30 participants.

Session A:
Station #1: Ocular/Orbital Injuries
Station #2: Dental Fractures/Avulsions

Session B:
Station #3: Facial Lacerations/Regional Anesthesia
Station #4: Ear Lacerations/Auricular Hematomas

Session C:
Station #5: Nasal Emergencies
Station #6: Advanced Airway Management

Session D:
Station #7: On-Field Management of the Spine-Injured Athlete
Station #8: Sideline Concussion Assessment

Session E:
Station #9: Sideline Management of Upper Extremity Fractures and Dislocations
Station #10: Sideline Management of Lower Extremity Fractures and Dislocations

8:00 p.m. - 8:15 p.m.
Post-Game Wrap Up (All participants)
• Questions and Answer Period
• Closing Remarks
• Workshop Evaluation
The AMSSM Collaborative Research Network (CRN) is soliciting request for proposals (RFP) from the AMSSM membership addressing the advanced management and care of patients with osteoarthritis (OA). This RFP, generously made available via an unrestricted research grant by AMSSM Foundation Gold Level Supporter, Sanofi Biosurgery, will fund up to $25,000 for an innovative research project that demonstrates the potential to impact the practice of sports medicine as it relates to the management of OA. The CRN will follow a two-stage submission process with Letters of Intent (LOIs) due on January 22nd, 2018. The CRN will convene a scientific review committee to review all LOIs and will invite 3-4 finalists to submit full proposals prior to the 2018 Annual Meeting. Finalists will present their research proposals to AMSSM members on Friday, April 27 from 1:15 p.m. – 2:15 p.m. during Session #9: CRN “Shark Tank” Session and each finalist will be given 5 minutes to present their research proposal and will have 5-10 minutes to address questions posed by the panel of sharks and audience members. The award winner will be determined based on a combination of votes by the scientific review panel, audience members and the panel of sharks. On Saturday, April 28 at 3:15 p.m., an announcement and introduction of the CRN Shark Tank Grant winner will be made during the Annual Meeting.

Overview: The mission of the AMSSM CRN is to foster collaborative multisite research among our members with a goal of advancing the practice of sports medicine. Osteoarthritis (OA) is a strong area of interest for the CRN and a topic area the CRN wishes to grow member expertise and research productivity. Moreover, OA is a medical condition that nearly all sports medicine physicians treat in their practices and thus has strong relevance across the membership. To achieve this vision, the CRN releases this call for proposals to solicit innovative, collaborative research ideas that have the potential to impact the practice of sports medicine as it relates to managing OA.

Please join us at the Collaborative Research Network (CRN) Shark Tank Session!

FELLOWSHIP FAIR

SATURDAY, APRIL 28, 2018
7:00 a.m. - 7:50 a.m. • 9:55 a.m. - 10:25 a.m. • 4:15 p.m. - 4:45 p.m.

Based on positive feedback from over 400 Resident and Student members and 122 fellowship programs that participated in last year’s Fellowship Fair in San Diego, California; AMSSM will host the 6th Annual Fellowship Fair during the 2018 Annual Meeting in Lake Buena Vista, FL (Orlando). The Fellowship Fair will provide students and residents a chance to interact with fellowship programs. The Fellowship Fair will take place inside the Exhibit Hall during Continental Breakfast at 7:00 a.m. - 7:50 a.m. and during the refreshment breaks at 9:55 a.m. - 10:25 a.m. and 4:15 p.m. - 4:45 p.m. on Saturday, April 28th (exhibits will end on Friday).

The Fellowship Fair will be free to residents and students registered for the Annual Meeting.

Fellowship Programs: To participate, please register your program online for a $100 fee to cover the cost of signage/table rental. Note: Please submit the online Fellowship Program Registration form by March 29th to be included in the on-site Meeting Program and Exhibit Guide booklet. After the Advance Registration deadline (March 29th), please contact the AMSSM office for space availability, and please be aware that the late registration fee will be $200 and your program will not be guaranteed to be included in the Meeting Program and Exhibit Guide booklet. Programs not in compliance with the Fellowship Code of Ethics for Match will be charged $500 to participate in the Fellowship Fair. In addition, non-compliant programs will be identified on the Fellowship Fair page of the on-site Annual Meeting “Official Meeting Program and Exhibit Guide” booklet. AMSSM reserves the right to place them in a different location if the programs next to them have concerns (in their states, etc.).

Fellowship Programs: Your $100 fee covers the cost of signage/table rental — Please note the following guidelines:
No tabletop, stand-up or banner exhibit displays or posters are allowed but each program is allowed a table skirt.
• Will be assigned a 6-foot table with one chair (booths will be arranged in alphabetical order by state).
• May give away promotional item, not to exceed $5 in value.
• May share brochures or printed materials at your table.

Registering Your Sports Medicine Fellowship Program for the Fellowship Fair: Deadline: March 29, 2018
Click here for the Online Fellowship Program Registration submission form — Please do not “login” under “Member Log-in” when registering for a Fellowship Fair booth.

Don’t miss out on this great opportunity for residents and students to meet with sports medicine fellowship programs during the Annual Meeting.
AMSSM MENTOR PROJECT

AMSSM is committed to continually cultivating and investing in the next generation of sports medicine physicians. Developed by the AMSSM Membership Committee, the AMSSM Mentor Project connects current AMSSM members (Actives/Associates) with interested residents and medical students. Mentorship, in part, involves giving perspective and answering questions about the field of sports medicine while creating a more personal connection is the main objective in the hope of passing on certain tenants of sports medicine that cannot be learned from any textbooks.

Serving as a mentor will offer a valuable resource to interested resident and medical student attendees, as it can be difficult to make personal connections at such a large conference. At last year’s Annual Meeting in San Diego, California, the response was tremendous with 25 AMSSM members volunteering as mentors to more than 75 interested residents and medical students! Mentoring sessions were organized as “meet and greet” sessions during Continental Breakfast and also during the Welcome Reception.

If you are interested in signing up as a mentor, click here to Volunteer as a Mentor.

If you are an interested resident or student, click here to be Matched with a Mentor.

By indicating your desire to participate, mentors and mentees will be matched by their primary specialty, year of residency/medical school and the day/time preferences for availability during the Annual Meeting. The mentors will receive their mentee(s) name and contact information (email address and cell phone number) so an initial connection can be made by the mentors prior to the Annual Meeting. There will be a sign in the designated area within the Exhibit Hall to serve as a point of contact for mentor/mentee(s) pairings to meet; or mentor/mentee(s) pairings can make their own meeting arrangements during the Annual Meeting.

Questions regarding the AMSSM Mentor Project — please contact Joan Brown, AMSSM Membership Manager.

“We make a living by what we get, we make a life by what we give.”

“ASK-A-FELLOW” TABLE

A popular mentoring resource available to student and resident attendees to stop by and ask current fellows advice on pursuing the fellowship of their dreams.

The “Ask-a-Fellow” table will be open during the scheduled lunch and refreshment breaks as well as continental breakfast (partial time) Thursday (April 26) through Saturday (April 28).

2018 AMSSM 27th Annual Meeting Twitter Feed #AMSSM18

Not familiar with Twitter? Not to worry. It’s easy to sign up and begin following the Annual Meeting conversation. Go to Twitter.com and on the right side, complete the section that says, “New to Twitter? Sign Up.” Once you’ve completed the sign up portion, you’ve officially joined the Twitterverse.

In order to keep up with all the latest AMSSM tweets during the Annual Meeting, you’ll need to follow us by locating “@TheAMSSM” in the search section. Enter “@TheAMSSM” and click on our profile. Then click follow. You’ll then be able to tweet questions and comments to us throughout the week.

How do I connect with the AMSSM Annual Meeting conversation? Participants use hashtags (#) to organize conversations around a specific topic. Twitter is made up of 140-character messages called tweets. Clicking on a hashtag takes you to search results for that term. For those of you who already have an active Twitter account, be sure to join the conversation by tweeting your questions and comments to @TheAMSSM using the hashtag, #AMSSM18, in your tweets.

For messages related to the 2018 AMSSM 27th Annual Meeting — use #AMSSM18.
OPTIONAL EDUCATIONAL ACTIVITY • YOGA CLASSES and INSTRUCTIONAL COURSE LECTURES (ICLs)

WEDNESDAY, APRIL 25 THROUGH SUNDAY, APRIL 29

REGISTRATION FEES

<table>
<thead>
<tr>
<th>ICL Category</th>
<th>AMSSM Member</th>
<th>Non-Member</th>
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</thead>
<tbody>
<tr>
<td>Yoga Class</td>
<td>No Fee</td>
<td>No Fee</td>
</tr>
<tr>
<td>ICLs (unless noted)</td>
<td>$50 each</td>
<td>$60 each</td>
</tr>
<tr>
<td>ICLs #7, #16, #17, #19, #20, #31</td>
<td>No Fee</td>
<td>$25 each</td>
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<tr>
<td>Sport US ICLs #1, #2, #3, #13, #23</td>
<td>$100 each</td>
<td>$110 each</td>
</tr>
<tr>
<td>ICL #24, #33</td>
<td>$50 each</td>
<td>$60 each</td>
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<tr>
<td>Faculty Development ICLs #4, #14, #25, #34</td>
<td>No Fee</td>
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<td>Resident/Fellow Specific ICL #22</td>
<td>Must be a current resident/fellow to register for this ICL.</td>
<td>No Fee</td>
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<tr>
<td>Student/Resident Specific ICL #41</td>
<td>Must be a current medical student/resident to register for this ICL.</td>
<td>No Fee</td>
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REGISTRATION INFORMATION
- Pre-registration and separate fee required (unless otherwise noted)
- Each Yoga class and ICL is limited to 50 participants and Sports US ICLs are limited to 75 participants.
- Registration will be on a first-come, first-served basis
- Register for the Yoga Classes and ICLs on the meeting registration form

6:00 A.M. - 7:00 A.M. YOGA CLASSES – CONCURRENT WITH SPORTS US ICLs (Thurs., April 26; Fri., April 27; and Sat., April 28)

<table>
<thead>
<tr>
<th>WEDNESDAY, APRIL 25</th>
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<tr>
<td>Yoga Class</td>
<td>Monique Burton, MD</td>
<td>Pre-Registration Required,</td>
<td>No Fee</td>
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6:15 A.M. - 7:45 A.M. SPORTS US ICLs

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<tr>
<td>Co-Leaders:</td>
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<td>Douglas Hoffman, MD</td>
<td>Lead Faculty:</td>
<td>Jacob L. Sellon, MD</td>
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<td>M. Kenji Yamazaki, MD</td>
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8:00 A.M. - 9:30 A.M. SPORTS US ICLs

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6:30 A.M. - 7:45 A.M. INSTRUCTIONAL COURSE LECTURES (ICLs)

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<tr>
<th>THURSDAY, APRIL 26</th>
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<tbody>
<tr>
<td>#24 Airway Management</td>
<td>Jeffrey P. Feden, MD</td>
<td>Christopher Hogrefe, MD</td>
<td>Anna L. Waterbrook, MD</td>
</tr>
<tr>
<td>#33 More Than Skin Deep: How to Conquer Complex Laceration Repairs in the Training Room</td>
<td>Christopher Hogrefe, MD</td>
<td>Ross Mathiasen, MD</td>
<td>Timothy W. Thomesen, MD</td>
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7:00 A.M. - 7:45 A.M. FACULTY DEVELOPMENT ICLs

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<tbody>
<tr>
<td>How to Survive Peer Review: Perspectives of Authors and Reviewers</td>
<td>M. Alison Brooks, MD, MPH</td>
<td>Daniel C. Herman, MD, PhD</td>
<td>Steve Marshall, PhD</td>
<td>Irfan M. Asif, MD</td>
</tr>
<tr>
<td>Mastering Milestones</td>
<td>C. Mark Chassay, MD</td>
<td>Amanda Phillips-Savoy, MD, MPH</td>
<td>Christian Verry, MD</td>
<td>Mark Stovak, MD</td>
</tr>
<tr>
<td>Teaching Techniques: Active Methods for Didactic Presentations and Clinical/Bedside Teaching</td>
<td>Naiyah Coleman, MD</td>
<td>Margaret E. Gibson, MD</td>
<td>Siobhan M. Statuta, MD</td>
<td>Irfan M. Asif, MD</td>
</tr>
<tr>
<td>Battling Burnout and Building Personal Resilience</td>
<td>Jessica Knapp, DO</td>
<td>Leonardo Oliveira, MD</td>
<td>Irfan M. Asif, MD</td>
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### THURSDAY, APRIL 26

| #8 | Hip Arthroscopy: Innovation Out of Necessity | J.W. Thomas Byrd, MD |
| #9 | How to Successfully Implement a Quality Improvement Project | Paul J. Gubanich, MD, MPh Thomas Trojan, MD |
| #10 | How to Set Up a Cash Pay Practice | John Cianca, MD |

### FRIDAY, APRIL 27

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<tr>
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<tbody>
<tr>
<td>#16</td>
<td>Secrets to Success: Q&amp;A with the Editors of Premier Sports Medicine Journals</td>
<td>Christopher P. Hughes, BSc (Hons), MMSc, FFSEM, MRCGP Karim Khan, MD, PhD, MBA Edward M. Wojtys, MD</td>
<td>MSK Ultrasound Economics</td>
</tr>
<tr>
<td>#17</td>
<td>How to Become a Paralympic Physician and Thrive in the Position</td>
<td>Hilde Moseby Berge, MD, PhD</td>
<td>Social Media for Sports Medicine Clinicians – A Tool Not a Toy</td>
</tr>
<tr>
<td>#21</td>
<td>Concussion Evaluation: Modified Vestibular and Ocular Exam and Return to Learn</td>
<td>Matthew Grady, MD, Christina L. Master, MD</td>
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### SATURDAY, APRIL 28

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<tr>
<th>#22</th>
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<tbody>
<tr>
<td>#30</td>
<td>Treatment of Post-Traumatic Osteoarthritis with Orthobiologics</td>
<td>Lisa A. Fortier, DVM, PhD</td>
<td>Orthobiologics and the Throwers Elbow: UCL Protocol</td>
</tr>
<tr>
<td>#31</td>
<td>CRN/RESEARCH TRACK #2: Study Design and Reporting Guidelines for Research</td>
<td>Katherine H. Rizzone, MD, MPH</td>
<td>Harnessing Neurocognition for Sports Performance and Rehabilitation</td>
</tr>
<tr>
<td>#32</td>
<td>Sports Medicine for Dancers: Technique, Biomechanics and Common Injuries</td>
<td>Kim Gladden, MD, Melody Hrubes, MD, Selina Shah, MD</td>
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### RESIDENT/FELLOW AND STUDENT/RESIDENT SPECIFIC ICLs

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<th>#22</th>
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<tbody>
<tr>
<td>#33</td>
<td>RESIDENT/FELLOW SPECIFIC ICL: Reviewing a Job Contract – Tips and Pearls for the Trainee</td>
<td>Kathleen M. McCauley, JD</td>
</tr>
</tbody>
</table>
OPTIONAL EDUCATIONAL ACTIVITY • YOGA CLASSES and INSTRUCTIONAL COURSE LECTURES (ICLs)

WEDNESDAY, APRIL 25, 2018

*SPORTS US ICL: 6:15 a.m. - 7:45 a.m.
ICL #1: Adventures in the Axilla — Part 1.......................................... Lead Faculty: Douglas Hoffman, MD and Jacob L. Sellon, MD
Co-Leaders: Blake Boggess, DO and Douglas Hoffman, MD
Faculty: Erik S. Adams, MD, PhD; Joseph J. Albano, MD; Joanne Borg-Stein, MD; Troy Henning, DO; Anthony E. Joseph, MD; Brett J. Kindle, MD; Kenneth R. Mautner, MD; Timothy J. Mazzola, MD; Johan Michaud, MD, FRCP; Kentaro Onishi, DO; Evan Peck, MD; Sathish Rajasekaran, MD; Phillip Steele, MD; and Christopher J. Visco, MD

*Attendees are encouraged to register for both Sports US ICL #1 and #2 but attendees can register for either Sports US ICL #1 or #2 alone.

This ICL is designed for clinicians with intermediate/advanced ultrasound skills. Attendees will learn to identify the sonoanatomy of the axilla, including the axillary nerve, latissimus dorsi, teres major and other structures relevant to the quadrilateral space. The ICL will cover the anterior approach to scanning the axilla.

At the conclusion of the workshop, the participant should be able to:
• Identify axillary sonoanatomy with a focus on the quadrilateral space.
• Sonographically visualize the anterior quadrilateral space.

SPORTS US ICL: 8:00 a.m. - 9:30 a.m.
*ICL #2: Adventures in the Axilla — Part 2.......................................... Lead Faculty: Douglas Hoffman, MD and Jacob L. Sellon, MD
Co-Leaders: Blake Boggess, DO and Douglas Hoffman, MD
Faculty: Erik S. Adams, MD, PhD; Joseph J. Albano, MD; Joanne Borg-Stein, MD; Troy Henning, DO; Anthony E. Joseph, MD; Brett J. Kindle, MD; Kenneth R. Mautner, MD; Timothy J. Mazzola, MD; Johan Michaud, MD, FRCP; Kentaro Onishi, DO; Evan Peck, MD; Sathish Rajasekaran, MD; Phillip Steele, MD; and Christopher J. Visco, MD

*Attendees are encouraged to register for both Sports US ICL #1 and #2 but attendees can register for either Sports US ICL #1 or #2 alone.

This ICL is designed for clinicians with intermediate/advanced ultrasound skills. Attendees will learn to identify the sonoanatomy of the axilla, including the axillary nerve, latissimus dorsi, teres major and other structures relevant to the quadrilateral space. The ICL will cover the posterior approach to scanning the axilla.

At the conclusion of the workshop, the participant should be able to:
• Identify axillary sonoanatomy with a focus on the quadrilateral space.
• Sonographically visualize the posterior quadrilateral space.

THURSDAY, APRIL 26, 2018

SPORTS US ICL: 6:15 a.m. - 7:45 a.m.
ICL #3: Roads to Regional Anesthesia .................................................. Lead Faculty: Jeremiah W. Ray, MD
Co-Leaders: Blake Boggess, DO and Douglas Hoffman, MD
Faculty: C.J. Duffaut, MD; Alexander Ebinger, MD; Joy L. English, MD; Marcia Faustin, MD; Ryan Freedman, MD; Joshua Goldman, MD, MPH; Heather L. Grothe, MD; Melody Hrubes, MD; Julia L. Iafrate, DO; Elena (Ellie) Jelsing, MD; Chad J. Johnson, DO; Daniel Lueders, MD; Nick Monson, DO; Benjamin L. Oshlag, MD; Ashwin L. Rao, MD; and Stephen P. Shaheen, MD

This Sports Ultrasound ICL prepares the learner to understand the physiology behind choice of anesthetic injectates in the setting of peripheral nerve blocks and for intra-articular injections. After this ICL, the participant will understand the concepts necessary to perform an ultrasound-guided peripheral nerve block, hematoma block and Bier block.

At the conclusion of the workshop, the participant should be able to:
• Select the optimal injectate based upon their respective physiologic profiles, targeted outcomes and medication risk profiles.
• Perform an ultrasound-guided peripheral nerve block.
• Perform a hematoma block and a Bier block.

FACULTY DEVELOPMENT ICL: 7:00 a.m. - 7:45 a.m.
ICL #4: How to Survive Peer Review — Perspectives of Authors and Reviewers................................. M. Alison Brooks, MD, MPH; Daniel C. Herman, MD, PhD; and Steve Marshall, PhD
Moderator: Irfan M. Asif, MD

This ICL will address the “dos” and “don’ts” of peer review for reviewers and authors. Experts will provide tips on efficiently providing quality reviews, how to respond to criticisms (especially “difficult” reviewers) and how to interact with editors. The educational format will utilize lectures, case-based presentations and interactive discussion.

At the conclusion of the workshop, the participant should be able to:
• Effectively and efficiently write scientific reviews.
• Respond to reviewers without being distracted by pride.
• Choose appropriate journals and interact with editors.
ICL #5: Sports Concussion – Making Your Practice an Advanced Care Setting ............................... Jon Patricios, MBBCh, MMEdSci, FFSEM
Professional collision sport athletes often have access to the highest level of concussion care. This level of care may be even more important in children and at amateur level where there is less medical support. This ICL describes the key features of an advanced concussion care that will allow for a more thorough evaluation of the concussed athlete, more confidently determine return to sport time frames, exclude differential diagnoses and help treat concussed athletes.

At the conclusion of the workshop, the participant should be able to:
- Define and describe the key features of an Advanced Care Setting (ACS).
- Identify the advantages of ACS.
- Describe how to create an ACS environment in your practice.

ICL #6: Ask the Expert – Controversial Topics in Sports Medicine – Team Coverage, Return to Play, Knee and Foot and Ankle Problems ........................................................................................................ Annunziato (Ned) Amendola, MD
This is intended to be a fully-interactive instructional course. The registrants are encouraged to bring cases and problems, questions for interactive discussion. Dr. Amendola has been involved in dealing with patients and teams at every level of competition: team coverage, coaches, allied health personnel, media and organizational sports medicine issues and welcomes discussion around specific or general topics during the session. He has also been involved in treating various problems particularly at the knee and foot/ankle and in making appropriate decisions in treatment, imaging, surgery, returning to play, injections and progression of participation.

At the conclusion of the workshop, the participant should be able to:
- Identify the common elements that go into decision-making following an injury on the sideline, and definitively.
- Discuss the need for clear communication within the sports medicine team, athletes, surrounding coaches and support staff.
- Communicate the roles and responsibilities of the team physician.

ICL #7: Women in Leadership Lead (W.i.L.L.) ........................................................................ Moderator: Katherine L. Dec, MD
Panelists: Marjorie J. Albohm, MS, AT-R; Hilde Moseby Berge, MD, PhD; Cindy J. Chang, MD; Kim Fagan, MD; and Kimberly G. Harmon, MD
This inaugural ICL is for practicing AMSSM women sports medicine physicians, after completing fellowship. This ICL tackles the theme of COMMUNICATION/CONFIDENCE through brief presentation and small group format. This initial Women in Leadership Lead (W.i.L.L.) program includes professional development in academic and private clinical practice.

At the conclusion of the workshop, the participant should be able to:
- Identify self-improvement skills in communication to support confidence in leadership action.
- Establish a local network of women AMSSM sports medicine physician professionals for collaboration through the year.
- Be engaged in growing women in leadership roles within AMSSM and sports medicine settings.

ICL #8: Hip Arthroscopy — Innovation Out of Necessity ................................................................. J.W. Thomas Byrd, MD
A didactic lecture will highlight the evolution of hip arthroscopy in athletes. This will illustrate simpler techniques that were moderately effective that have now been displaced by more advanced treatment strategies with a goal of more durable long-term outcomes. Additionally, arthroscopic techniques of the hip have evolved into endoscopic methods for structural damage around the joint, which are applicable to athletes and non-athletes alike. Not all structural problems require surgical intervention, and there is an essential role for rehabilitation in non-operative management and post-operative recovery that will be illustrated. Time will be allotted for Q&A and general discussion.

At the conclusion of the workshop, the participant should be able to:
- Discuss the basic principles and foundation of hip arthroscopy.
- Describe the parallel evolution of understanding hip disorders and technical aspects of management.
- Be conversant in state-of-the-art treatment strategies for hip disorders among athletes.
OPTIONAL EDUCATIONAL ACTIVITY • YOGA CLASSES and INSTRUCTIONAL COURSE LECTURES (ICLs)

THURSDAY, APRIL 26, 2018 continued...

ICL #9: PRIVATE PRACTICE TRACK #1 – How to Set Up a Cash Pay Practice ................................................................. John Cianca, MD
(Not Available for CME Credit)
This ICL will focus on establishing a cash-based practice. A cash-based practice frees a clinician from many of the burdens that face physicians in today’s healthcare environment. It allows the clinician to feel more satisfied and effective with their clinical influence and work. Financial reward, while more in line with a physician’s expectation per visit, may not be better per year than in a traditional practice. The primary reasons for establishing this type of practice are increased effectiveness, reduced stress from uncontrollable obstacles and professional satisfaction. These parameters will be discussed in detail as will administrative and marketing aspects of such a practice. Time for questions and discussion will also be included.

At the conclusion of the workshop, the participant should be able to:
• Delineate the administrative and marketing considerations in developing a cash-based practice.
• Describe the clinical advantages for developing a cash-based practice.
• Discuss the autonomy that a cash-based practice gives a physician.

ICL #10: How to Successfully Implement a Quality Improvement Project...........Paul J. Gubanich, MD, MPH and Thomas Trojan, MD
The purpose of this ICL is to review the science around quality improvement and provide a framework for project development and implementation. Participants will work through and review practical examples of successfully completed projects.

At the conclusion of the workshop, the participant should be able to:
• Discuss the basic principles regarding the science of quality improvement.
• Identify the steps necessary to successfully complete a quality improvement initiative.
• Apply the principles of quality improvement to real life medical questions.

ICL #11: Choosing the Right Running Shoe .................................................................Kevin R. Vincent, MD, PhD
This ICL will discuss how to evaluate and select a proper running shoe. Differences in shoe design, philosophy and how the shoe influences ground contact and impact forces will be presented.

At the conclusion of the workshop, the participant should be able to:
• Discuss shoe design and how that design influences force dissipation.
• Identify appropriate shoe selection.
• Discuss with their patients factors to consider when choosing a running shoe.

ICL #12: Implementing a Sports Medicine Ultrasound Curriculum ...............Bradley Sandella, DO, ATC(R) and Jacob L. Sellon, MD
This ICL is designed for sports medicine fellowship faculty who are working on implementing or improving a sports ultrasound curriculum. Format will include lecture and group discussion.

At the conclusion of the workshop, the participant should be able to:
• Identify the current sports ultrasound training requirements.
• Outline components of a comprehensive sports ultrasound curriculum.
• Assess competency in sports ultrasound skills.

FRIDAY, APRIL 27, 2018

SPORTS US ICL: 6:15 a.m. - 7:45 a.m.

ICL #13: Diagnostic Ultrasound of the Volar Wrist and Hand – Review of Common Injuries and Overview of Commonly Performed Ultrasound-Guided Procedures About the Region......................Lead Faculty: Troy Henning, DO
Co-Leaders: Blake Boggess, DO and Douglas Hoffman, MD
Faculty: Tariq W. Awan, DO; Jeffrey R. Bytomski, DO; John Cianca, MD; Kevin deWeber, MD; Jonathan S. Halperin, MD; Julia L. Iafrate, DO; Paul Lento, MD; Ronald P. Olson, MD; Jeffrey M. Payne, MD; Ashwin L. Rao, MD; Mark Sakr, DO; and Brandee L. Waite, MD
This ICL will involve 15 minutes of a presentation followed by 70 minutes of instructor led hands-on learning related to diagnostic and interventional ultrasound of the volar wrist and hand. The workshop will cover basic to advanced concepts.

At the conclusion of the workshop, the participant should be able to:
• Realize the capabilities of diagnostic ultrasound for volar hand injuries.
• Discuss how to approach commonly performed ultrasound-guided interventions about the volar wrist and hand.
• Describe the sonographic findings associated with CTS.
OPTIONAL EDUCATIONAL ACTIVITY • YOGA CLASSES and INSTRUCTIONAL COURSE LECTURES (ICLs)

FRIDAY, APRIL 27, 2018 continued...

FACULTY DEVELOPMENT ICL: 7:00 a.m. - 7:45 a.m.
ICL #14: Mastering Milestones ......................... C. Mark Chassay, MD; Amanda Phillip-Savoy, MD, MPH; and Christian Verry, MD
Moderator: Mark Stovak, MD

Through this interactive ICL, participants will come to better understand the sports medicine milestones and how to develop policies and plans to support assessment and achievement of those milestones for all learners.

At the conclusion of the workshop, the participant should be able to:
• Identify the sports medicine milestones.
• Develop a CCC policy and plan.
• Map goals/objectives, evaluations and in-training exams back to the sports medicine milestones.

ICLs #15-21: 7:00 a.m. - 7:45 a.m.
ICL #15: What You Need to Know About Being a Team Physician at a Division I University .................. James R. Borchers, MD, MPH

This ICL will focus on the current state of being a team physician for a Division I university and what issues a physician will encounter as a team physician.

At the conclusion of the workshop, the participant should be able to:
• Discuss the roles and responsibilities of a team physician at a Division I University.

ICL #16: Secrets to Success – Q&A with the Editors of Premier Sports Medicine Journals ....................... Christopher P. Hughes, BSc (Hons), MBBS, MSc, FFSEM, MRCGP; Karim Khan, MD, PhD, MBA; and Edward M. Wojtys, MD

Moderator: Irfan M. Asif, MD

This panel discussion with editorial representatives from the British Journal of Sports Medicine, the Clinical Journal of Sport Medicine and Sports Health will address common pitfalls preventing potential authors from publication of their work. After a brief presentation, the session will be based on questions posed by the audience.

At the conclusion of the workshop, the participant should be able to:
• Identify the appropriate journal(s) for potential publication of their work.
• Recognize common potential problems hindering publication of scholarship in sports medicine.
• Construct a scientific manuscript ready for review for possible publication.

ICL #17: How to Become a Paralympic Physician and Thrive in the Position ........................................... Hilde Moseby Berge, MD, PhD

I barely knew what to expect when I was challenged to be the CMO for Paralympics in Norway. The learning curve has been very steep, and for each step, I realize it’s so much more to learn that can reduce injuries and illnesses for our fascinating team of athletes.

At the conclusion of the workshop, the participant should be able to:
• Be inspired to get involved with Paralympians.
• Discuss the needs for curiosity and general knowledge of medicine, in addition to sports medicine.
• Identify the various opportunities to improve healthcare and performance in Paralympians.

ICL #18: PRIVATE PRACTICE TRACK #2 – Telemedicine in Sports Medicine .................................................... Michael Swartzon, MD

Telemedicine is becoming a new tool for sports medicine physicians to evaluate and follow patients. This ICL will explore the advantages of adding telemedicine to a sports medicine practice as well as the current limitations including, insurance and reimbursement issues.

At the conclusion of the workshop, the participant should be able to:
• Discuss how telemedicine can be used in a sports medicine practice.
• Identify the technology used for telemedicine and its limitations.
• Describe the current regulatory environment involving telemedicine.

ICL #19: Off the Field and into the Community – Pushing the Boundaries of Sports Medicine ............................. Roberta Dennison, MD; Jessica Knapp, DO; Kelsey Logan, MD, MPH; Anna A. Rozman, DO, MBA; and Hamed Shalikar, MD

Sports medicine comprises more than just sports coverage and injury treatment; it can enhance the community beyond what we consider “athletes”. Humanitarian Grant Winners will help attendees to develop their own ‘community building through sports medicine’ projects by sharing their stories and leading small groups to explore ideas.

At the conclusion of this workshop, the participant should be able to:
• Discuss how sports medicine physicians should expand their role beyond athletes who participate in organized sports.
• Explain how sports medicine activities aimed at a general community can encourage physical activity and other healthy behaviors.
• Describe the steps needed to plan and develop a community-based sports medicine project.
• Begin to develop an idea for their own community-based sports medicine project.
OPTIONAL EDUCATIONAL ACTIVITY • YOGA CLASSES and INSTRUCTIONAL COURSE LECTURES (ICLs)

FRIDAY, APRIL 27, 2018

ICL #20: CRN/RESEARCH TRACK #1 – Making the Most Out of Interacting with Your IRB – Tips and Secrets to Avoid Frustration ................................................................. Suzanne Hecht, MD
Moderator: Stephanie Kliethermes, PhD
This ICL will offer tips and strategies, by using interactive-based examples, to improve your knowledge of and experience with Institutional Review Boards (IRB). The information will help you streamline this required, but often time-intensive step in accomplishing your clinical research. It will be geared for those looking to start or expand their clinical research experiences.

At the conclusion of the workshop, the participant should be able to:
• Distinguish between an IRB exempt and a non-exempt research study.
• Recognize common pitfalls that can extend the IRB process.
• Identify the basics of the new NIH single IRB requirement for multi-institutional studies.

ICL #21: Concussion Evaluation – Modified Vestibular and Ocular Exam and Return to Learn ................................................................. Matthew Grady, MD
and Christina L. Master, MD
This ICL will demonstrate exam specific techniques to evaluate saccades, gaze stability, convergence and balance within the office setting. These findings will then be applied to recommendations for return to classroom accommodations and long-term rehabilitation goals.

At the conclusion of the workshop, the participant should be able to:
• Demonstrate how to evaluate saccades, gaze stability and convergence.
• Discuss the implications for return to learn of the physical exam findings and implementing school accommodations in that context.

SATURDAY, APRIL 28, 2018

SPORT ULTRASOUND ICL: 6:15 a.m. - 7:45 a.m.

ICL #23: Dorsal Wrist and Hand ................................................................. Lead Faculty: M. Kenji Yamazaki, MD
Co-Leaders: Blake Boggess, DO and Douglas Hoffman, MD
Faculty: Tariq W. Awan, DO; Jeffrey R. Bytomski, DO; John Cianca, MD; T. Ryan Draper, DO; Kevin deWeber, MD; Julia L. Iafrate, DO; Chad J. Johnson, DO; Paul Lento, MD; Ronald P. Olson, MD; Jeffrey M. Payne, MD; Ashwin L. Rao, MD; Jeff Roberts, MD; Mark Sakr, DO; David M. Siebert, MD; and Brandee L. Waite, MD
This ICL aims to provide a review of common sports (musculoskeletal) ultrasound techniques of the dorsal wrist and hand, with an emphasis on clinically relevant anatomy, examples of notable pathology and hands-on workshop-based instruction.

At the conclusion of the workshop, the participant should be able to:
• Didactic Portion: Discuss the clinical relevance and sonographic interrogation of common anatomical sites of pathology of the dorsal wrist and hand.
• Hands-on Portion: Practice and demonstrate common sports (musculoskeletal) scanning techniques of the dorsal wrist and hand.

ICL: 6:30 a.m. - 7:45 a.m.

ICL #24: Airway Management ................................................................. Jeffrey P. Feden, MD; Christopher Hogrefe, MD; and Anna L. Waterbrook, MD
The compromised airway is a rare but life-threatening scenario that may confront the sports medicine practitioner in the pre-hospital setting. This didactic and hands-on ICL will afford participants an overview of airway management devices, principles and techniques.

At the conclusion of the workshop, the participant should be able to:
• Discuss the essential principles of airway management.
• Identify the indications and approaches to airway management related to sideline emergencies.
• Review, demonstrate and practice basic and advanced airway management techniques.
OPTIONAL EDUCATIONAL ACTIVITY • YOGA CLASSES and INSTRUCTIONAL COURSE LECTURES (ICLs)

SATURDAY, APRIL 28, 2018 continued...

FACULTY DEVELOPMENT ICL: 7:00 a.m. - 7:45 a.m.
ICL #25: Teaching Techniques – Active Methods for Didactic Presentations and Clinical/Bedside Teaching...... Nailah Coleman, MD; Moderator: Irfan M. Asif, MD Margaret E. Gibson, MD; and Siobhan M. Statuta, MD
This interactive ICL will focus on active teaching methods for clinical situations and didactic presentations. Participants will leave with simple, effective active teaching methods to utilize with learners in a variety of settings.

At the conclusion of the workshop, the participant should be able to:
• Describe multiple active teaching methods or techniques.
• Apply the active teaching methods discussed in sports medicine clinical practice or sports medicine didactic presentations.

ICLs # 26-32: 7:00 a.m. - 7:45 a.m.
ICL #26: Rehabilitation vs. Arthroscopy for Femoroacetabular Impingement......................... Peter Brukner, OAM, MBBS, FFSEM
Femoroacetabular impingement (FAI) is not just a radiological diagnosis – the lesions seen on imaging must be accompanied by symptoms and signs of impingement. Many asymptomatic patients have been subjected to unnecessary arthroscopic management. The indications for arthroscopy will be presented and outcomes comparing arthroscopy and rehabilitation will be compared.

At the conclusion of the workshop, the participant should be able to:
• Distinguish between those cases of FAI which require arthroscopic management and those which should be managed conservatively.
• Discuss the role of rehabilitation in the management of FAI.

ICL #27: Musculoskeletal Ultrasound Economics......................................................... Chad T. Carlson, MD and Andrew L. Concoff, MD
The economics of obtaining and using ultrasound in your practice might seem simple. In reality, the revenues realized from the incorporation of ultrasound into a practice will vary from physician to physician depending on factors such as doctor efficiency, practice volume and payer mix. This ICL will help you sort out the expected impact of adding ultrasound to your practice. In addition, we’ll review current billing and coding requirements to ensure that you are accurately billing for the work you are doing.

At the conclusion of the workshop, the participant should be able to:
• Discuss how the addition of ultrasound to a sports medicine practice can impact a practice’s productivity and by extension its revenue.
• Review current coding information to optimize successful reimbursement.

ICL #28: Social Media for Sports Medicine Clinicians – A Tool Not a Toy......... Aaron D. Gray, MD and James MacDonald, MD, MPH
This ICL will discuss and give examples of social media that AMSSM members can use to advance their professional/academic careers. Emphasis will be on time-efficient techniques for using these media. Participants are encouraged to bring smart phones to enhance their learning opportunity.

At the conclusion of the workshop, the participant should be able to:
• Demonstrate the use of several basic tools of social media readily available to AMSSM members.
• Employ these tools in a time-efficient manner.
• Discuss the use of social media to influence positively their peers, advance their academic portfolio and cultivate a national reputation.

ICL #29: Load Monitoring in Practice................................................................. Peter Blanch, BPhty, MAppSc
Injury prevention has often been the less enticing sibling to athletic performance in high performance sport. There is burgeoning research to suggest that they are far more closely related. The aim of this presentation is to provide an understanding on the role of workload in the aetiology model of athletic performance and injury. The role of load is often construed as the vehicle that can drive athletes towards an injury, however if used appropriately it is the vehicle that drives them away from injury. A recent model comparing what the athlete is doing compared with what they are prepared for has shown consistent risk factors across a number of sports. There has been some debate on the best way for these models to be derived and the evidence for and against is in its early stage. Application of this model in the early preparation, return to sport and daily training environment will be discussed.

At the conclusion of the workshop, the participant should be able to:
• Discuss the role of workload as an injury risk factor but also an injury prevention strategy.
• Describe the current practice of workload monitoring.
• Discuss the debate and limitations of current monitoring models.
ICL #30: Treatment of Post-Traumatic Osteoarthritis with Orthobiologics .................................................. Lisa A. Fortier, DVM, PhD
How orthobiologics including stem cells, platelet rich plasma and bone marrow concentrate modulate the disease process of post-traumatic osteoarthritis and provide symptomatic relief of pain will be discussed. Evidence to support timing, dosing and choice of orthobiologics to use as a therapy and future directions in orthobiologics will also be presented.

At the conclusion of the workshop, the participant should be able to:
• Discuss that stem cells are immunomodulatory.
• Identify that osteoarthritis should be prevented or treated in the very early phases.
• Discuss that platelet rich plasma is not the same as bone marrow concentrate.

ICL #31: CRN/RESEARCH TRACK #2 – Study Design and Reporting Guidelines for Research ...............Katherine H. Rizzone, MD, MPH
Moderator: Stephanie Kliethermes, PhD
This ICL will review common research methodologies used in sports research and discuss reporting guidelines as well as common pitfalls and benefits for each methodology.

At the conclusion of the workshop, the participant should be able to:
• Identify common research methodologies utilized in sports research.
• Distinguish the pros and cons of each research methodologies used in sports research.
• Identify where to look for reporting guidelines for sports research methodologies.

ICL #32: Sports Medicine for Dancers: Technique, Biomechanics and Common Injuries .......Kim Gladden, MD; Melody Hrubes, MD and Selina Shah, MD
This ICL is geared toward the current practitioner or trainee (Attending/Fellow/Resident) who would like to use their sports medicine expertise to expand a practice to care for dancers. Dance-specific technique, biomechanics and common dance-related injuries and how to approach/treat them will be discussed.

At the conclusion of the workshop, the participant should be able to:
• Learn dance-specific technique.
• Describe dance-specific biomechanics.
• Identify and treat common dance injuries.

SUNDAY, APRIL 29, 2018

ICL: 6:30 a.m. - 7:45 a.m.
ICL #33: More Than Skin Deep: How to Conquer Complex Laceration Repairs in the Training Room.......... Christopher Hogrefe, MD; Ross Mathiasen, MD; and Timothy W. Thomsen, MD
Lacerations are extremely common in athletes, and while simple lacerations may appear straightforward, not all cuts are created equal. Guided by Emergency Medicine/Sports Medicine practitioners and employing realistic 3-D models (including facial, tongue and limb facsimiles), this ICL will help sports medicine providers skillfully navigate even the most complex lacerations.

At the conclusion of the workshop, the participant should be able to:
• Review the optimal methods/techniques (e.g. skin adhesive, absorbable sutures, non-absorbable sutures, staples, buried sutures, interrupted repairs and/or running sutures) for repairing simple and complex lacerations.
• Discuss the benefits of providing regional anesthesia (including involving head and neck structures) when fixing such injuries.
• Practice administering regional anesthesia and repairing various lacerations with realistic simulated models.

FACULTY DEVELOPMENT ICL: 7:00 a.m. - 7:45 a.m.
ICL #34: Battling Burnout and Building Personal Resilience ......................................................Jessica Knapp, DO and Leonardo Oliveira, MD
Moderator: Irfan M. Asif, MD
In this active and interactive ICL, participants will learn the signs of burnout and practice evidence-based approaches preventing it and promoting personal resilience. Although the emphasis will be on personal application, the principles and practices covered may be used to promote resilience and prevent burnout in others.

At the conclusion of the workshop, the participant should be able to:
• Use a model to organize individual interventions to detect burnout and promote resilience.
• Apply evidence-based techniques and practices to promote personal resilience to burnout.
• Employ tools, techniques and practices to promote resilience to prevent burnout personally and in others.
ICL #35: Point – Counterpoint on Treatment for Common Extensor Tendinopathy ................................. Michael Jonesco, DO; Dominic King, DO; and Evan Peck, MD

This ICL will present the evidence and indications for three popular treatments for common extensor tendinopathy of the elbow, a common clinical problem encountered in sports medicine practice. Three speakers will discuss the merits of orthobiologics, corticosteroid injections and eccentric-based strength training for the treatment of common extensor tendinopathy in a point – counterpoint fashion.

At the conclusion of the workshop, the participant should be able to:
• Describe the pathophysiology of common extensor tendinopathy.
• Identify the advantages and disadvantages of orthobiologics, corticosteroid injections and eccentric-based strength training for the treatment of common extensor tendinopathy.

ICL #36: Exertional Heat Illness ............................................. Francis G. O’Connor, MD, MPH and Michael Seth Smith, MD, PharmD

If exertional heat stroke (EHS) is recognized and treated appropriately in a timely manner (within 30 minutes of collapse) with whole body cooling, a 100% survival rate with minimal sequelae is expected. Unfortunately due to the urgent nature of starting treatment, whole body cooling, ideally with cold water immersion (CWI) in a tub, within 30 minutes of collapse presents a specific medical challenge to the pre-hospital healthcare provider. Continued efforts to improve communication between Emergency Medical Services (EMS) and sports medicine services are necessary to improve the coordination of the pre-hospital care of the downed athlete due to EHS.

At the conclusion of the workshop, the participant should be able to:
• Develop an Exertional Heat Illness (EHS) monitoring plan.
• Design an EHI Emergency Action Plan (EAP) with a focus on improving advance planning communication between EMS, sports medicine staff and hospital staff in athletes with EHS.
• Provide return to play recommendations after an athlete has suffered an EHI.
• Describe variations in state policies as they pertain to EHI.

ICL #37: Fragility Fracture Service ................................................................. Luis Alfredo Rodriguez, MD

Fragility fractures represent a significant health burden on patients and their families, as well as a significant burden on the healthcare system. Fracture liaison services should be widely implemented based on current evidence. This ICL seeks to provide guidance on how to start this service in a medical practice.

At the conclusion of the workshop, the participant should be able to:
• Identify the potential pros and cons of establishing a fragility fracture/fragility fracture liaison service in your practice.
• Identify the minimal requirements, as well as any evidence-based clinical and administrative personnel requirements to establish the service. Delineate the goals, expectations and responsibilities of the team members that compose the service.
• Implement knowledge regarding diagnostic testing and potential consultations that may be needed.

ICL #38: Point – Counterpoint – Should Kids Participate in Tackle American Football? ............................... James MacDonald, MD, MPH and Andrew R. Peterson, MD, MSPH

Discussion of the risks and benefits of youth football participation within the context of a debate format.

At the conclusion of the workshop, the participant should be able to:
• Identify the incidence/prevalence of specific injuries in youth tackle football.
• Compare the risks associated with youth tackle football to those from other common youth sports.
• Discuss how the risks associated with youth tackle football might be mitigated.

ICL #39: Orthobiologics and the Thrower’s Elbow – UCL Protocol ................................................................. Jason A. Genin, DO

This ICL will evaluate the throwing elbow under musculoskeletal ultrasound. Treatment options for partial proximal UCL tears will also be presented.

At the conclusion of the workshop, the participant should be able to:
• Identify the UCL under musculoskeletal ultrasound.
• Discuss the best practice for orthobiologic application in the setting of a UCL tear.
• Describe the return to throw guidelines as laid out for the treatment of a UCL tear.
ICL #40: Harnessing Neurocognition for Sports Performance and Rehabilitation

Daniel C. Herman, MD, PhD
and Zach Sutton, PT, DPT

This ICL will focus on: 1) The role of baseline and altered neurocognition on performance and injury risk, and 2) The use of neurocognitive tasks and exercises to improve athlete performance and enhance existing injury prevention and rehabilitation strategies. The format will include brief lectures, interactive discussion and hands-on demonstrations.

At the conclusion of the workshop, the participant should be able to:
• Discuss the role neurocognition plays in athlete performance and injury risk.
• Utilize neurocognitive principles to enhance skill development, injury prevention and rehabilitation.

STUDENT/RESIDENT SPECIFIC ICL: 7:00 a.m. - 7:45 a.m.
ICL #41: AIM for Fellowship – How to Apply, Interview and Match Well

Carly Day, MD; Melody Hrubes, MD
and Amanda K. Weiss Kelly, MD

This ICL is geared for the current trainee (Student/Resident) to provide tools for building a strong application, applying to fellowship programs, making a good impression during interviews and following up so applicants can match well into a sports medicine program.

At the conclusion of this workshop, the participant should be able to:
• Discuss how experiences, personal statements and letters of recommendation build a strong application for sports medicine.
• Identify what sports medicine fellowship faculty look for in a successful applicant.
• Interview well.
TUESDAY, APRIL 24, 2018

9:00 a.m. - 5:00 p.m.  |  AMSSM FOUNDATION HUMANITARIAN SERVICE PROJECT
(Bus transportation and boxed lunch provided on-site at service project)

Pre-Conferences

6:00 a.m. - 9:00 a.m.  |  REGISTRATION
(Fundamentals of Sports Ultrasound and Advanced Sports Ultrasound Registrants Only)

7:00 a.m. - 3:45 p.m.  |  ADVANCED SPORTS ULTRASOUND PRE-CONFERENCE (Pre-registration and separate fee required)
Program Chair of Sports Ultrasound Courses: Mederic M. Hall, MD
Co-Course Directors: Joanne Borg-Stein, MD and Douglas Hoffman, MD
Faculty/Scanning Faculty: Joanne Borg-Stein, MD; Douglas Hoffman, MD; Johan Michaud, MD, FRCP; Levon N. Nazarian, MD (AIUM Exchange); and Christopher J. Visco, MD
Scanning Faculty: Erik S. Adams, MD, PhD; Joseph J. Albano, MD; Tariq M. Awan, DO; Blake Boggess, DO; John Cianca, MD; Heather L. Grothe, MD; Anthony E. Joseph, MD; Brett J. Kindle, MD; Albert Kazar, DO; Paul Lento, MD; Kenneth R. Mautner, MD; Timothy J. Mazzola, MD; Kentaro Onishi, DO; Jeffrey M. Payne, MD; Adam M. Pourcho, DO, ATC; James C. Presley, MD; Sahish Rajasekaran, MD; Ashwin L. Rao, MD; Eugene Y. Roh, MD; Stephen M. Simons, MD; Jay Smith, MD; Phillip Steele, MD; J. Herbert Stevenson, MD; and M. Kenji Yamazaki, MD

9:00 a.m. - 6:00 p.m.  |  SPORTS ULTRASOUND: FUNDAMENTALS OF THE LOWER EXTREMITY PRE-CONFERENCE
(Pre-registration and separate fee required)
Program Chair of Sports Ultrasound Courses: Mederic M. Hall, MD
Co-Course Directors: Evan Peck, MD and Shane A. Shapiro, MD
Faculty/Scanning Faculty: Joshua G. Hackel, MD; Jonathan S. Halperin, MD; Elena (Ellie) Jelsing, MD; Robert Monaco, MD, MPH; Evan Peck, MD; Jacob L. Sellon, MD; and Shane A. Shapiro, MD
Scanning Faculty: Casey G. Batten, MD; Fred H. Brennan Jr, DO; Arthur Jason De Luigi, DO, MHSA; Emily E. Dixon, DO; Robert Flannery, MD; Sadiq Haque, DO; John C. Hill, DO; Garry W.K. Ho, MD, CIC; Yaowen Eliot Hu, MD; Prathap Jayaram, MD; Gerard A. Malanga, MD; R. Amadeus Mason, MD; Joshua Rothenberg, DO; Bradley Sandella, DO, ATC(R); Ricardo J. Vasquez-Duarte, MD; and David N. Westerdahl, MD

WEDNESDAY, APRIL 25, 2018

5:45 a.m. - 6:55 p.m.  |  REGISTRATION

6:15 a.m. - 7:45 a.m.  |  SPORTS US INSTRUCTIONAL COURSE LECTURE (Pre-registration and separate fee required)
#1 Adventures in the Axilla: Part 1 ................. Lead Faculty: Douglas Hoffman, MD and Jacob L. Sellon, MD
Co-Leaders: Blake Boggess, DO and Douglas Hoffman, MD
Faculty: Erik S. Adams, MD, PhD; Joseph J. Albano, MD; Joanne Borg-Stein, MD; Troy Henning, DO; Anthony E. Joseph, MD; Brett J. Kindle, MD; Kenneth R. Mautner, MD; Timothy J. Mazzola, MD; Johan Michaud, MD, FRCP; Kentaro Onishi, DO; Evan Peck, MD; Sahish Rajasekaran, MD; Phillip Steele, MD; and Christopher J. Visco, MD

8:00 a.m. - 9:30 a.m.  |  SPORTS US INSTRUCTIONAL COURSE LECTURE (Pre-registration and separate fee required)
#2 Adventures in the Axilla: Part 2 ................. Lead Faculty: Douglas Hoffman, MD and Jacob L. Sellon, MD
Co-Leaders: Blake Boggess, DO and Douglas Hoffman, MD
Faculty: Erik S. Adams, MD, PhD; Joseph J. Albano, MD; Joanne Borg-Stein, MD; Troy Henning, DO; Anthony E. Joseph, MD; Brett J. Kindle, MD; Kenneth R. Mautner, MD; Timothy J. Mazzola, MD; Johan Michaud, MD, FRCP; Kentaro Onishi, DO; Evan Peck, MD; Sahish Rajasekaran, MD; Phillip Steele, MD; and Christopher J. Visco, MD

10:30 a.m. - 12:00 p.m.  |  ONE-ON-ONE CUSTOMIZED SPORTS US LEARNING WORKSHOP
(AMSSM Members Only; pre-registration and separate fee required)
Workshop is for learners of all sports ultrasound skill levels (novice to advanced). 30-minute increments of one-on-one, hands-on ultrasound scanning time with a sports medicine ultrasound expert to learn the sports ultrasound skill(s) of your choice.
Program Chair of Sports Ultrasound Courses: Mederic M. Hall, MD
Workshop Director: Douglas Hoffman, MD
Faculty: Erik S. Adams, MD, PhD; Blake Boggess, DO; Douglas Hoffman, MD; Timothy J. Mazzola, MD; Robert Monaco, MD, MPH; Levon N. Nazarian, MD; Jeffrey M. Payne, MD; and Jay Smith, MD
7:00 a.m. - 9:30 a.m.  FELLOWSHIP FORUM
Co-Chairs: Irfan M. Asif, MD and Amanda K. Weiss Kelly, MD
Co-Moderators: Irfan M. Asif, MD; Jennifer Malcolm, DO; and Amanda K. Weiss Kelly, MD
Faculty: Irfan M. Asif, MD; Kevin deWeber, MD; Yaowen Eliot Hu, MD; Morteza Khodaee, MD, MPH; Stephanie Klethmeres, PhD; Andrea Kussman, MD; Matthew S. Leiszler, MD; Marcia Newby-Goodman; Richard A. Okragly, MD; James C. Puffer, MD; Isaac P. Syrop, MD; Thomas Trojian, MD; Amanda K. Weiss Kelly, MD; and Jason L. Zaremski, MD

9:45 a.m. - 11:45 a.m.  SPORTS MEDICINE ECONOMICS WORKSHOP (Pre-registration and separate fee required)
Chair: Michael Swartzon, MD
Faculty: Kory Gill, DO; Kimberly G. Harmon, MD; Jennifer Scott Koontz, MD, MPH; Jason M. Matuszak, MD; Luis Alfredo Rodriguez, MD; and Michael Swartzon, MD

9:45 a.m. - 11:45 p.m.  AMSSM/NCAA: KEY ISSUES FOR THE COLLEGE TEAM PHYSICIAN* (Pre-registration required, no fee)
Co-Chairs: Sourav K. Poddar, MD and Mark Stovak, MD
Moderator: Mark Stovak, MD
Faculty: Chad A. Asplund, MD, MPH; Brian Hainline, MD; Eugene Hong, MD; and John T. Parsons, PhD, AT
*The AMSSM Foundation gratefully acknowledges the NCAA for their educational grant in support of this pre-conference.

12:00 p.m. - 2:00 p.m.  AMSSM/NCAA: ECG INTERPRETATION WORKSHOP* (Pre-registration required, no fee)
Chair: Jonathan A. Drezner, MD
Faculty: Casey G. Batten, MD; Jonathan A. Drezner, MD; Kimberly G. Harmon, MD; David E. Price, MD; Ashwin L. Rao, MD; and David M. Siebert, MD
*The AMSSM Foundation gratefully acknowledges the NCAA for their educational grant in support of this pre-conference.

12:00 p.m. - 2:00 p.m.  KEY ISSUES FOR THE PROFESSIONAL/ELITE TEAM PHYSICIAN* (Pre-registration required, no fee)
Chair/Moderator: Jeffrey L. Tanji, MD
Faculty: Lisa R. Callahan, MD; Cindy J. Chang, MD; John P. DiFiori, MD; Margot Putukian, MD; Allen K. Sills, MD; and Andrew M. Tucker, MD
*The AMSSM Foundation gratefully acknowledges the NFL for their educational grant in support of this pre-conference.

12:00 p.m. - 2:00 p.m.  AMSSM/ACSM CAQ PREPARATION REVIEW SESSION
Co-Chairs (AMSSM): M. Kyle Smoot, MD and Mark Stovak, MD
Co-Chairs (ACSM): Kevin R. Vincent, MD, PhD and Jason L. Zaremski, MD
Faculty: Yaowen Eliot Hu, MD; Jennifer Scott Koontz, MD, MPH; M. Kyle Smoot, MD; Mark Stovak, MD; and Jason L. Zaremski, MD
AMSSM 27TH ANNUAL MEETING
WEDNESDAY, APRIL 25, 2018

5:45 a.m. - 6:55 p.m.  REGISTRATION

1:30 p.m. - 8:00 p.m.  AMSSM FOUNDATION SILENT AUCTION

4:00 p.m. - 8:30 p.m.  EXHIBIT HALL OPEN

2:30 p.m. - 2:45 p.m.  MEETING KICKOFF
President’s Welcome.............................................................Katherine L. Dec, MD; AMSSM President
Welcome and Announcements............................................Chad A. Asplund, MD; First Vice President
Mederic M. Hall, MD; Program Chair

2:45 p.m. - 4:45 p.m.  SESSION #1: REACHING OUR STRIDE –
HOT TOPICS IN FOOT AND ANKLE......................................Co-Moderators: Nathaniel Nye, MD, Maj, USAF, MC
2:45 p.m. - 2:50 p.m.  Introduction .................................................Nathaniel Nye, MD, Maj, USAF, MC
2:50 p.m. - 3:05 p.m.  Foot Exam: The Key to Biomechanical Function ..............................................................Karl B. Fields, MD
3:05 p.m. - 3:20 p.m.  Ultrasound Imaging Pearls for the Foot and Ankle ......................................................Levon N. Nazarian, MD
3:20 p.m. - 3:45 p.m.  The Foot Core Paradigm ..................................................Patrick O. McKeon, PhD, ATC, CSCS
3:45 p.m. - 4:05 p.m.  Safe Return to Running: Clinical Decision Making ..............................................................Kevin R. Vincent, MD, PhD
4:05 p.m. - 4:30 p.m.  AOSSM EXCHANGE LECTURE: Challenging Return to Play
Decisions in the Foot and Ankle ................................................Annunziato (Ned) Amendola, MD
4:30 p.m. - 4:45 p.m.  Discussion and Questions

4:45 p.m. - 5:15 p.m.  REFRESHMENT BREAK (Exhibit Hall)

5:15 p.m. - 6:55 p.m.  SESSION #2: REACHING NEW LEVELS OF UNDERSTANDING
IN ATHLETIC HIP DISORDERS..............................................Moderator: Mark H. Mirabelli, MD
5:15 p.m. - 5:20 p.m.  Introduction .............................................................Mark H. Mirabelli, MD
5:20 p.m. - 5:45 p.m.  Conventional Femoroacetabular Impingement and Beyond ...........................................J.W. Thomas Byrd, MD
5:45 p.m. - 6:00 p.m.  Ultrasound Evaluation of Athletic Hip Disorders ..................................................Johan Michaud, MD, FRCPC
6:00 p.m. - 6:20 p.m.  Functional Evaluation and Rehabilitation
of Athletic Hip Disorders ......................................................Timothy J. Wittenauer, PT, CMFT
6:20 p.m. - 6:40 p.m.  AAPMR EXCHANGE LECTURE: Non-Operative Management
of Athletic Hip Disorders ......................................................Devyani Hunt, MD
6:40 p.m. - 6:55 p.m.  Discussion and Questions
7:00 p.m. - 8:30 p.m.  AMSSM WELCOME RECEPTION (Exhibit Hall)

THURSDAY, APRIL 26, 2018

6:00 a.m. - 6:20 p.m.  REGISTRATION

6:00 a.m. - 7:00 a.m.  Y1: YOGA CLASS (Pre-registration required, no fee)
Monique Burton, MD

6:15 a.m. - 7:55 a.m.  CONTINENTAL BREAKFAST (Foyer)

9:00 a.m. - 4:30 p.m.  EXHIBIT HALL OPEN

6:15 a.m. - 7:45 a.m.  SPORTS US INSTRUCTIONAL COURSE LECTURE (Pre-registration and separate fee required)
#3 Roads to Regional Anesthesia ...........................................Faculty: Jeremiah W. Ray, MD
Co-Leaders: Blake Boggess, DO and Douglas Hoffman, MD
Faculty: C.J. Duffaut, MD; Alexander Ebinger, MD; Joy L. English, MD; Marcia Faustin, MD;
Ryan Freedman, MD; Joshua Goldman, MD, MPH; Heather L. Grothe, MD; Melody Hrubes, MD;
Julia L. Lafrate, DO; Elena (Ellie) Jelsing, MD; Chad J. Johnson, DO; Daniel Lueders, MD; Nick Monson, DO;
Benjamin L. Oshlag, MD; Ashwin L. Rao, MD; and Stephen P. Shaheen, MD
THURSDAY, APRIL 26, 2018 continued...

7:00 a.m. - 7:45 a.m.  
**FACULTY DEVELOPMENT INSTRUCTIONAL COURSE LECTURE**  
(Pre-registration required)

### #4 How to Survive Peer Review: Perspectives of Authors and Reviewers

*Moderator: Irfan M. Asif, MD*

Daniel C. Herman, MD, PhD; and Steve Marshall, PhD

7:00 a.m. - 7:45 a.m.  
**INSTRUCTIONAL COURSE LECTURES**  
(Pre-registration and separate fee required)

### #5 Sports Concussion: Making Your Practice an Advanced Care Setting

*Jon Patricios, MBChB, MMedsSci, FFSEM*

### #6 Ask the Expert – Controversial Topics in Sports Medicine

Team Coverage, Return to Play, Knee and Foot/Ankle and Ankle Problems

*Annunziato (Ned) Amendola, MD*

### #7 Women in Leadership Lead (W.i.L.L.)

*Moderator: Katherine L. Dec, MD*

Panelists: Marjorie J. Albohm, MS, AT-R; Hilde Moseby Berge, MD, PhD; Cindy J. Chang, MD; Kim Fagan, MD; and Kimberly G. Harmon, MD

### #8 Hip Arthroscopy: Innovation Out of Necessity

*J.W. Thomas Byrd, MD*

### #9 Private Practice Track #1: How to Set Up a Cash Pay Practice

*John Cianca, MD*

### #10 How to Successfully Implement a Quality Improvement Project

*Paul J. Gubanich, MD, MPH*

*and Thomas Trojan, MD* 

### #11 Choosing the Right Running Shoe

*Kevin R. Vincent, MD, PhD*

### #12 Implementing a Sports Medicine Ultrasound Curriculum

*Bradley Sandeloff, DO, ATC(R) and Jacob L. Sellon, MD*

7:00 a.m. - 7:50 a.m.  
**RISING WITH RESEARCH (Concussion)..........................**  
*Moderator: James MacDonald, MD, MPH*

7:00 a.m. - 6:20 p.m.  
**AMSSM FOUNDATION SILENT AUCTION**

7:55 a.m. - 8:00 a.m.  
**ANNOUNCEMENTS**

8:00 a.m. - 9:40 a.m.  
**SESSION #3: SPORTS NUTRITION – NEW STRATEGIES TO HELP ATHLETES REACH THEIR POTENTIAL...**  
*Moderator: Thomas M. Best, MD, PhD*

8:00 a.m. - 8:05 a.m.  
Introduction ..................................................................................................................  
*Thomas M. Best, MD, PhD*

8:05 a.m. - 8:25 a.m.  
Reaching for the Performance Edge:

High Fat/Low Carbohydrate Plan ...........................................................................  
*Keynote: Peter Brukner, OAM, MBBS, FFSEM*

8:25 a.m. - 8:45 a.m.  
The Ketogenic Diet: Evidence for Performance Enhancement

and Practical Prescription Tips ...................................................................................  
*Keynote: Jeff Volek, PhD, RD*

8:45 a.m. - 9:05 a.m.  
Fueling for Ultra-Endurance Events – Reaching Beyond the Marathon

*John Cianca, MD*

9:05 a.m. - 9:25 a.m.  
Microbiomes: Role in Musculoskeletal Health and Sports Performance

*Keynote: Patrick J. Hanaway, MD*

9:25 a.m. - 9:40 a.m.  
Discussion and Questions

9:40 a.m. - 10:10 a.m.  
**REFRESHMENT BREAK | POSTER SESSION 1A (Exhibit Hall)**

10:10 a.m. - 11:45 a.m.  
**SESSION #4A: CONCURRENT SESSIONS – PREPARTICIPATION PHYSICAL EXAM**  
*Moderator: Joel S. Brenner, MD, MPH*

10:10 a.m. - 10:15 a.m.  
Introduction ..................................................................................................................  
*Joel S. Brenner, MD, MPH*

10:15 a.m. - 10:30 a.m.  
Legal Issues in Sports Medicine: Medical Clearance and More

*Keynote: Kathleen M. McCauley, JD*

10:30 a.m. - 10:50 a.m.  
INTERNATIONAL VISITING FELLOW LECTURE: Medical CHALLENGES

in the Paralympian/Disabled Athlete ...........................................................................  
*Keynote: Hilde Moseby Berge, MD, PhD*

10:50 a.m. - 11:05 a.m.  
Young Athletes with Autism: Inclusion = Excellence

*Keynote: John W. Harrington, MD*

11:05 a.m. - 11:30 a.m.  
Utility of the PPE: Debate

*David T. Bernhardt, MD and William O. Roberts, MD, MS*

11:30 a.m. - 11:45 a.m.  
Discussion and Questions

10:10 a.m. - 11:45 a.m.  
**SESSION #4B: CONCURRENT SESSIONS – CASE PRESENTATIONS**  
(This session will be held in six breakout rooms.)

*Moderator: Yaowen Eliot Hu, MD*

Room A: Case Presentations .........................................................................................  
*Panelists: Rebecca L. Carl, MD, MSCI and Laura J. Lintner, DO*

Room B: Case Presentations .........................................................................................  
*Panelists: Douglas Comeau, DO and Yvonne Chow, MD*

Room C: Case Presentations .........................................................................................  
*Panelists: Peter H. Seidenberg, MD*

Room D: Case Presentations .........................................................................................  
*Panelists: Kristina M. Wilson, MD, MPH*

Room E: Case Presentations .........................................................................................  
*Panelists: Holly J. Benjamin, MD*

Room F: Case Presentations .........................................................................................  
*Panelists: Rebecca A. Myers, MD*

*Panelists: Namita Bhardwaj, MD and George G.A. Pujalde, MD*
THURSDAY, APRIL 26, 2018 continued...

11:45 p.m. - 1:30 p.m.  **LUNCH (on your own)**

12:15 p.m. - 1:15 p.m.  **INDUSTRY-SPONSORED LUNCH SYMPOSIUM** *(Optional, pre-registration required, no fee)*
HYMOVIS®: An Innovation in HA-Based Viscoelastic Hydrogel Technology in the Treatment of Osteoarthritis Knee Pain
(Fidia Pharma USA Inc.)
*This program is not an AMSSM educational activity. AMSSM is not responsible for the planning, content or the speakers of this program. CME Credit is not available for this optional educational activity.*

12:15 p.m. - 1:15 p.m.  **INDUSTRY-SPONSORED LUNCH SYMPOSIUM** *(Optional, pre-registration required, no fee)*
**Innovative Management of Knee Cartilage Disorders**
(Össur Americas)
*This program is not an AMSSM educational activity. AMSSM is not responsible for the planning, content or the speakers of this program. CME Credit is not available for this optional educational activity.*

12:15 p.m. - 1:15 p.m.  **TEAM PHYSICIAN BREAKOUT SESSIONS**
- Collegiate/NCAA........................................... **Moderator:** Sourav K. Poddar, MD; **Panelists:** Brian Hainline, MD; John T. Parsons, PhD, AT; and Mark Stovak, MD
- Olympic/Paralympic.................................................................................................Arthur De Luigi, DO, MHSA
- Professional..................................................................................................................Mark W. Niedfeldt, MD

12:15 p.m. - 1:15 p.m.  **RESIDENT/STUDENT SPECIAL INTEREST BREAKOUT .....................................................David A. Ross, MD**

1:15 p.m. - 1:30 p.m.  **DIVERSITY SPECIAL INTEREST GROUP BREAKOUT ...........................................Shelley Street Callender, MD**

1:30 p.m. - 3:30 p.m.  **SESSION #5A-B: CONCURRENT SESSIONS – RESEARCH PRESENTATIONS**
*Room A: Research Presentations.................................................................**Moderator:** Joel S. Brenner, MD, MPH
Panelists: Kevin E. Burroughs, MD and Lauren Porras, MD*
*Room B: Research Presentations.................................................................**Moderator:** Kyle Nagle, MD, MPH
Panelists: Christina L. Master, MD and Brett G. Toresdahl, MD*

1:30 p.m. - 3:30 p.m.  **SESSION #5C: CONCURRENT SESSIONS – ONE-ON-ONE CUSTOMIZED SPORTS**
*US LEARNING WORKSHOP (1:1 Ratio Individualized Instruction)*
**Program Chair of the Sports US Committee:** Mederic M. Hall, MD
**Workshop Director:** Douglas Hoffman, MD
**Faculty:** Troy Henning, DO; Anthony E. Joseph, MD; Kenneth R. Mautner, MD; Johan Michaud, MD, FRCPC; Kentaro Onishi, DO; Jeremiah W. Ray, MD; Jacob L. Sellon, MD; and Christopher J. Visco, MD

3:30 p.m. - 4:00 p.m.  **REFRESHMENT BREAK | POSTER SESSION 1B (Exhibit Hall)**
THURSDAY, APRIL 26, 2018 continued...

4:00 p.m. - 6:20 p.m.  SESSION #6: REACHING THE FULL SPECTRUM OF SPORTS MEDICINE

This session is intended to give important and brief coverage to many of the other activities/sports/events that we cover as sports medicine physicians and are often neglected. These presentations will be 20 minutes long and participants will have the opportunity to select up to seven topics during this session.

<table>
<thead>
<tr>
<th>4:00 p.m.</th>
<th>Gymnastics</th>
<th>SCUBA</th>
<th>Alpine Skiing</th>
<th>Cross Fit Type</th>
<th>Rodeo</th>
<th>Lacrosse</th>
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<tbody>
<tr>
<td></td>
<td>Suzanne Hecht, MD</td>
<td>Scott D. Flinn, MD</td>
<td>Matthew Gammons, MD</td>
<td>Robert C. Oh, MD, MPH</td>
<td>Dawn D. Mattern, MD</td>
<td>Teri M. McCambridge, MD</td>
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<tr>
<td>4:20 p.m.</td>
<td>Cheer</td>
<td>Surfing</td>
<td>Cross Country Skiing</td>
<td>Weight Training</td>
<td>Track Racing</td>
<td>Field Hockey</td>
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<td></td>
<td>Cynthia R. LaBella, MD</td>
<td>Amy Leu, DO</td>
<td>Kyle Nagle, MD, MPH</td>
<td>Mark E. Lavallee, MD, CSCS</td>
<td>Kelly Ryan, DO</td>
<td>Patrick J. Moreno, MD</td>
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<tr>
<td>4:40 p.m.</td>
<td>Competitive Diving</td>
<td>Stand-Up and Outrigger Canoe Paddling</td>
<td>Snowboarding</td>
<td>Boxing</td>
<td>Show/Dressage/Hunter Seat</td>
<td>Rugby</td>
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<td>Nathaniel S. Jones, MD</td>
<td>Andrew W. Nichols, MD</td>
<td>Rebecca A. Myers, MD</td>
<td>Rebecca L. Carl, MD, MSCI</td>
<td>Michael Turner, MB BS, FFSEM</td>
<td>Jon Patricios, MBBCh, MMEDSci, FFSEM</td>
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<tr>
<td>5:00 p.m.</td>
<td>Ballet/Dance</td>
<td>Sailing</td>
<td>Figure Skating</td>
<td>Mixed Martial Arts (MMA)</td>
<td>Equestrian Safety Issues</td>
<td>Ultimate Frisbee</td>
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<td>Selina Shah, MD</td>
<td>Joanne B. (Annie) Allen, MD</td>
<td>Emily B. Porter, MD, ATC</td>
<td>Bryant Wairord, MD</td>
<td>Michael Turner, MB BS, FFSEM</td>
<td>Eric Traister, MD</td>
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<tr>
<td>5:20 p.m.</td>
<td>Performance Arts</td>
<td>Water Polo</td>
<td>Speed/Track Skating</td>
<td>Wrestling</td>
<td>NASCAR</td>
<td>Team Handball</td>
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<td>Laura M. Gottschlich, DO</td>
<td>Jennifer D. Stromberg, MD</td>
<td>Andrew R. Peterson, MD, MSPH</td>
<td>Kevin E. Burroughs, MD</td>
<td>Hilde Moseby Berge, MD, PhD</td>
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<tr>
<td>5:40 p.m.</td>
<td>Modern Dance</td>
<td>Rowing: Canoe</td>
<td>Ice Hockey</td>
<td>Spartan/Mudder</td>
<td>Bicycling Road</td>
<td>Wilderness Sports</td>
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<td>Lauren Elson, MD</td>
<td>Constance M. Lebrun, MDCM, MPE, CCFP (SEM)</td>
<td>Rob Johnson, MD</td>
<td>Kentaro Onishi, DO</td>
<td>Marc R. Silberman, MD</td>
<td>Arthur A. (Tony) Islas, MD, MPH</td>
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<tr>
<td>6:00 p.m.</td>
<td>Rowing: Whitewater</td>
<td>Rowing: Whitewater</td>
<td>Roller Derby</td>
<td>Taekwondo</td>
<td>Bicycling Mountain</td>
<td>Rock Climbing</td>
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<td></td>
<td>Constance M. Lebrun, MDCM, MPE, CCFP (SEM)</td>
<td>Bree Simmons, MD</td>
<td>Dae Hyoung (David) Jeong, MD</td>
<td>Michael Turner, MB BS, FFSEM</td>
<td>Steven J. Collins, MD</td>
<td>Craig C. Young, MD</td>
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6:30 p.m. - 7:30 p.m.  SPECIAL INTEREST GROUP BREAKOUT

- Academic......................................................................................................................Kimberly G. Harmon, MD
- Emergency Medicine........................................................................................................Christopher Guyer, MD
- Internal Medicine...........................................................................................................Claudia Dal Molin, MD and Selina Shah, MD
- Pediatrics.........................................................................................................................Mark E. Halstead, MD
- PM&R.............................................................................................................................Carly Day, MD
- Private Practice/Employed.............................................................................................Michael Swartzon, MD

7:30 p.m. - 9:00 p.m.  INDUSTRY-SPONSORED EVENING SYMPOSIUM

(Optional, pre-registration required, no fee)

Localized Treatment for Osteoarthritis Knee Pain with a Novel Intra-Articular Formulation
(Flexion Therapeutics, Inc.)
This program is not an AMSSM educational activity. AMSSM is not responsible for the planning, content or the speakers of this program. CME Credit is not available for this optional educational activity.

7:30 p.m. - 10:00 p.m.  INDUSTRY-SPONSORED EVENING SYMPOSIUM & CADAVER LAB

(Optional, pre-registration required, no fee)

TENEX Health TX System: Ultrasound-Guided Percutaneous Tenotomy and Fasciotomy
(Tenex Health)
This program is not an AMSSM educational activity. AMSSM is not responsible for the planning, content or the speakers of this program. CME Credit is not available for this optional educational activity.

FRIDAY, APRIL 27, 2018

6:00 a.m. - 5:30 p.m.  REGISTRATION

6:00 a.m. - 7:00 a.m.  Y2: YOGA CLASS (Pre-registration required, no fee)
Monique Burton, MD

6:15 a.m. - 7:55 a.m.  CONTINENTAL BREAKFAST (Foyer)

9:00 a.m. - 4:30 p.m.  Exhibit Hall Open
FRIDAY, APRIL 27, 2018 continued...

6:15 a.m. - 7:45 a.m.  SPORTS US INSTRUCTIONAL COURSE LECTURE (Pre-registration and separate fee required)
#13 Diagnostic Ultrasound of the Volar Wrist and Hand: Review of Common Injuries and Overview of Commonly Performed Ultrasound-Guided Procedures About the Region.................................................. 

Co-Leaders: Blake Boggess, DO and Douglas Hoffman, MD
Faculty: Tariq M. Awan, DO; Jeffrey R. Bytomski, DO; John Cianca, MD; Kevin deWeber, MD; Jonathan S. Halperin, MD; Julia L. Iafrate, DO; Chad J. Johnson, DO; Paul Lento, MD; Ronald P. Olson, MD; Jeffrey M. Payne, MD; Ashwin L. Rao, MD; Mark Sakr, DO; and Brandee L. Waite, MD

7:00 a.m. - 7:45 a.m.  FACULTY DEVELOPMENT INSTRUCTIONAL COURSE LECTURE (Pre-registration required, AMSSM members — No Fee, Non-Members — $25 Fee)
#14 Mastering Milestones................................................................. C. Mark Chassay, MD; Amanda Phillips-Savoy, MD, MPH; ..

Moderator: Mark Stovak, MD and Christian Verry, MD

7:00 a.m. - 7:45 a.m.  INSTRUCTIONAL COURSE LECTURES (Pre-registration and separate fee required)
#15 What You Need to Know About Being a Team Physician
at a Division I University .................................................................... James R. Borchers, MD, MPH

#16 Secrets to Success: Q&A with the Editors of Premier Sports Medicine Journals ......................... Christopher P. Hughes, BSc (Hons), MBBS, MBBS, MSc, FFSEM, MRCGP; Karim Khan, MD, PhD, MBA;; and Edward M. Wolfs, MD

#17 How to Become a Paralympic Physician and Thrive in the Position ...... Hilde Moseby Berge, MD, PhD

#18 Private Practice Telemedicine in Sports Medicine.................................................... Michael Swartzon, MD

#19 Off the Field and into the Community: Pushing the Boundaries of Sports Medicine ......................... Roberta Dennison, MD; Jessica Knapp, DO; Kelsey Logan, MD, MPH; Anna A. Rozman, DO, MBA; and Hamed Shalikar, MD

#20 CRN/Research Track #1: Making the Most Out of Interacting with Your IRB – Tips and Secrets to Avoid Frustration ........................................ Suzanne Hecht, MD

Moderator: Stephanie Kliethermes, PhD

#21 Concussion Evaluation: Modified Vestibular and Ocular Exam and Return to Learn... Matthew Grady, MD and Christina L. Master, MD

#22 RESIDENT/FELLOW SPECIFIC ICL:
Reviewing a Job Contract: Tips and Pearls for the Trainee ......................... Kathleen M. McCauley, JD

7:00 a.m. - 7:50 a.m.  RISING WITH RESEARCH (Concussion/Other) ....................... Moderator: M. Alison Brooks, MD, MPH

7:00 a.m. - 9:55 a.m.  AMSSM FOUNDATION SILENT AUCTION
(The Silent Auction ends five minutes before the conclusion of the mid-morning refreshment break.)

7:55 a.m. - 8:00 a.m.  ANNOUNCEMENTS

8:00 a.m. - 9:30 a.m.  SESSION #7: CONCUSSION ........................................................................... Moderator: Evan Peck, MD

8:00 a.m. - 8:05 a.m.  Introduction ................................................................................. Evan Peck, MD

8:05 a.m. - 8:20 a.m.  Blood-Based Biomarkers for Concussion ........................................ Keynote: Jeffrey J. Bazarian, MD, MPH

8:20 a.m. - 8:35 a.m.  Sub-Symptom Threshold Exercise as Treatment for Concussion ......................................................... John Leddy, MD

8:35 a.m. - 8:50 a.m.  Minds Matter: Seeing Concussion Through New Eyes ................................................ Christina L. Master, MD

8:50 a.m. - 9:15 a.m.  Berlin Concussion Consensus: Points to Ponder ................................................ William P. Meehan, MD and Keynote: Jon Patricios, MBBCh, MMedSci, FFSEM

9:15 a.m. - 9:30 a.m.  Discussion and Questions

9:30 a.m. - 10:00 a.m.  REFRESHMENT BREAK | POSTER SESSION 2A (Exhibit Hall)

10:00 a.m. - 11:45 a.m.  SESSION #8: REACHING TOO FAR?

PERFORMANCE ENHANCING DRUGS ........................................................................... Moderator: Mark Stovak, MD

10:00 a.m. - 10:05 a.m.  Introduction ................................................................................. Mark Stovak, MD

10:05 p.m. - 10:20 a.m. Pharmacology and Physiology of Common PEDs .............................................. Keynote: Vanessa Curtis, MD

10:20 a.m. - 10:35 a.m. Health Supervision of the Doping Athlete ............................................................ Andrew R. Peterson, MD, MSPH

10:35 a.m. - 10:50 a.m. Blurred Lines: What Makes a Substance Banned? ................................................ Michele Labotz, MD

10:50 a.m. - 11:10 a.m. Truth and Transformation ........................................................................... Keynote: Tyler Hamilton

11:10 a.m. - 11:45 a.m. Discussion and Questions
11:45 a.m. - 1:15 p.m.  LUNCH (on your own)

12:00 p.m. - 1:00 p.m.  INDUSTRY-SPONSORED LUNCH SYMPOSIUM (Optional, pre-registration required, no fee)
The Future of MSK Ultrasound
(Arthrex, Inc.)
This program is not an AMSSM educational activity. AMSSM is not responsible for the planning, content or the speakers of these programs. CME Credit is not available for this optional educational activity.

12:00 p.m. - 1:00 p.m.  INDUSTRY-SPONSORED LUNCH SYMPOSIUM (Optional, pre-registration required, no fee)
COOLIEF® Cooled RF: Novel Technique to Treat Knee OA Pain
(Halyard Health)
This program is not an AMSSM educational activity. AMSSM is not responsible for the planning, content or the speakers of these programs. CME Credit is not available for this optional educational activity.

12:00 p.m. - 1:00 p.m.  AMSSM COMMITTEE MEETINGS #1
- Education ....................... Rebecca A. Myers, MD, Co-Chairperson and Ashwin L. Rao, MD, Co-Chairperson
- International/Inter-Organizational Relations.............................. Mark E. Halstead, MD, Chairperson and Stephanie Chu, DO, Vice Chairperson
- Membership............................. Marci Goolsby, MD, Chairperson and Selina Shah, MD, Vice Chairperson
- Research....................... Joel S. Brenner, MD, MPH, Co-Chairperson and M. Alison Brooks, MD, Co-Chairperson

1:15 p.m. - 2:15 p.m.  SESSION #9: COLLABORATIVE RESEARCH NETWORK (CRN)

1:15 p.m. - 2:15 p.m.  CRN Shark Tank Session* ..................... Moderator: Daniel C. Herman, MD, PhD and Andrew R. Peterson, MD, MSPH
Sharks: Thomas M. Best, MD, PhD; Daniel C. Herman, MD, PhD; Susan Joy, MD; Stephanie Kliethermes, PhD; and Steve Marshall, PhD

*The AMSSM Foundation gratefully acknowledges Sanofi Biosurgery for its support of this research grant.

Osteoarthritis Grant Finalists Presentations

Finalist #1:
Perineural Injection Therapy for the Treatment of Knee Osteoarthritis
Robert Masocol, MD

Finalist #2:
Use of a Self-Guided Mindfulness Mobile Application to Improve Pain Outcomes in Individuals with Knee Osteoarthritis
Jill Sylvester, MD

Finalist #3:
Autologous Micro-Fragmented Adipose Tissue for the Treatment of Knee Osteoarthritis:
A Randomized Double Blind Placebo Controlled Trial
Tariq M. Awan, DO

2:15 p.m. - 2:40 p.m.  PRESIDENTIAL KEYNOTE ADDRESS
Human Performance Optimization – The Military’s Changing Fitness Paradigm for Total Force Fitness .................................................. Presidential Keynote: Francis G. O’Connor, MD, MPH

2:40 p.m. - 3:00 p.m.  HOUGH MEMORIAL LECTURE
Academic Sports Medicine – Benefits and Challenges.......................... Keynote: Thomas M. Best, MD, PhD

3:00 p.m. - 4:00 p.m.  RESEARCH POSTER ORAL PRESENTATIONS (Poster Session 2B)
REFRESHMENT BREAK | EXHIBITORS (Exhibit Hall)
Moderators: Irfan M. Asif, MD; David J. Berkoff, MD; M. Alison Brooks, MD, MPH; Sameer Dixit, MD; Aaron D. Gray, MD; Erin Hammer, MD; Daniel C. Herman, MD, PhD; Jordan Knoeffler, MD; James MacDonald, MD, MPH; Katherine H. Rizzone, MD, MPH; David M. Siebert, MD; Thomas H. Trojan, MD; and Tracy Zaslow, MD
FRIDAY, APRIL 27, 2018 continued...

4:00 p.m. - 5:30 p.m.  
SESSION #10: PAIN ......................................................... Moderator: Christopher Hogrefe, MD
4:00 p.m. - 4:05 p.m.  
Introduction ............................................................... Christopher Hogrefe, MD
4:05 p.m. - 4:20 p.m.  
IOC Consensus Statement on Pain Management in Elite Athletes .............................................. Brian Hainline, MD
4:20 p.m. - 4:35 p.m.  
Interventional Management of Acute Pain in the Athlete .............................................................. Jeremiah W. Ray, MD
4:35 p.m. - 4:50 p.m.  
Opioids: Going Off the Rails on a Crazy Train .............................................................................. Huaiyu Tan, MD, PhD
4:50 p.m. - 5:15 p.m.  
An Ounce of Prevention is Worth a Pound of Cure: Lessons From the NFL ....................................... Keynote: Allen K. Sills, MD
5:15 p.m. - 5:30 p.m.  
Discussion and Questions

5:35 p.m. - 6:35 p.m.  
AMSSM COMMITTEE MEETINGS #2
• Communications ………Kelsey Logan, MD, MPH, Chairperson and George G.A. Pujalte, MD, Vice Chairperson
• Fellowship ……………..Irfan M. Asif, MD, Co-Chairperson and Amanda K. Weiss Kelly, MD, Co-Chairperson
• Practice & Policy……………………Jennifer Scott Koontz, MD, MPH, Chairperson
and Jason M. Matuszak, MD, Vice Chairperson
• Publications………………Stephen R. Paul, MD, Chairperson and Sourav K. Poddar, MD, Vice Chairperson
• Sports Ultrasound ……….. Mederic M. Hall, MD, Chairperson and Douglas Hoffman, MD, Vice Chairperson

8:00 p.m. - 12:00 a.m.  
AMSSM FOUNDATION CONTRIBUTORS’ PARTY (Off-Site)  
“Fireworks, Dessert & Soarin’ at Epcot®” (No Admittance after 8:45 p.m.)
Those who make a gift of $100* or more (gifts of $50* or more from Fellowship, Resident and Student members)
after the 2017 AMSSM 26th Annual Meeting up until April 11, 2018 are invited to the Foundation Contributors’
Party. PLEASE NOTE: For security purposes and capacity limits, donations MUST be made by April 19, 2018 in order
to attend the Foundation Contributors’ Party. AMSSM is required to turn in final guaranteed numbers in advance
of the meeting and distribute tickets at registration. The venue will turn away anyone without a ticket (who hasn’t
donated in advance). *Please note: A separate $100 donation is required for each additional guest. (A separate
$50 donation is required for each spouse/guest of Fellowship, Resident and Student members). Those making a gift
of $250 or more will be invited to bring a spouse or significant other.

SATURDAY, APRIL 28, 2018

6:00 a.m. - 4:00 p.m.  
REGISTRATION

6:00 a.m. - 7:00 a.m.  
Y3: YOGA CLASS (Pre-registration required, no fee)
Monique Burton, MD

6:15 a.m. - 7:55 a.m.  
CONTINENTAL BREAKFAST

6:15 a.m. - 7:45 a.m.  
SPORTS US INSTRUCTIONAL COURSE LECTURE (Pre-registration and separate fee required)
#23 Dorsal Wrist and Hand ......................................................... Lead Faculty: M. Kenji Yamazaki, MD
Co-Leaders: Blake Boggess, DO and Douglas Hoffman, MD
Faculty: Tariq W. Awan, DO; Jeffrey R. Bytomskii, DO; John Cianca, MD; Kevin deWeber, MD;
T. Ryan Draper, DO; Julia L. Lafort, DO; Paul Lento, MD; Ronald P. Olson, MD; Jeffrey M. Payne, MD;
Ashwin L. Rao, MD; Jeff Roberts, DO; Mark Sakr, DO; David M. Siebert, MD; and Brandee L. Waite, MD

6:30 a.m. - 7:45 a.m.  
INSTRUCTIONAL COURSE LECTURE (Pre-registration and separate fee required)
#24 Airway Management ……..Jeffrey P. Feden, MD; Christopher Hogrefe, MD; and Anna L. Waterbrook, MD

7:00 a.m. - 7:45 a.m.  
FACULTY DEVELOPMENT INSTRUCTIONAL COURSE LECTURE (Pre-registration and separate fee required)
#25 Teaching Techniques – Active Methods for Didactic Presentations
and Clinical/Bedside Teaching..................................................... Naiubah Coleman, MD;
Moderator: Irfan M. Asif, MD Margaret E. Gibson, MD; and Siobhan M. Statuta, MD
7:00 a.m. - 7:45 a.m. INSTRUCTIONAL COURSE LECTURES (Pre-registration and separate fee required)
#26 Rehabilitation vs. Arthroscopy for Femoroacetabular Impingement ..................................................... Peter Brukner, OAM, MBBS, FFSEM
#27 Musculoskeletal Ultrasound Economics ................................................................................................. Chad T. Carlson, MD and Andrew L. Concoff, MD
#28 Social Media for Sports Medicine Clinicians – A Tool Not a Toy .......................................................... Aaron D. Gray, MD and James MacDonald, MD, MPH
#29 Load Monitoring in Practice .................................................................................................................. Peter Blanch, BPhty, MAppSc
#30 Treatment of Post-Traumatic Osteoarthritis with Orthobiologics ......................................................... Lisa A. Fortier, DVM, PhD
#31 CRN/Research Track #2: Study Design and Reporting Guidelines for Research .................................. Katherine H. Rizzone, MD, MPH
Moderator: Stephanie Kliethermes, PhD
#32 Sports Medicine for Dancers: Technique, Biomechanics and Common Injuries .................................. Kim Gladden, MD; Melody Hrubes, MD and Selina Shah, MD

7:00 a.m. - 7:50 a.m. FELLOWSHIP FAIR

7:00 a.m. - 7:50 a.m. RISING WITH RESEARCH (MSK) ............................................................................ Moderator: Jordan Knoefler, MD

8:00 a.m. - 8:05 a.m. ANNOUNCEMENTS

8:05 a.m. - 9:55 a.m. SESSION #11: PHYSICAL ACTIVITY AND THE NEW PARADIGM – THE IMPACT ON CLINICAL PRACTICE ................................................................. Moderator: Irfan M. Asif, MD
8:05 a.m. - 8:10 a.m. Introduction ......................................................................................................................... Irfan M. Asif, MD
8:10 a.m. - 8:30 a.m. If Exercise Can Be Medicine, Where Is Exercise in Medical Education ......................... Irfan M. Asif, MD
8:30 a.m. - 8:50 a.m. Unique Challenges of Training the Elite Paralympian ...................................................... Cheri A. Blauwet, MD
8:50 a.m. - 9:15 a.m. Training Load as an Injury Risk Factor and Injury Prevention Tool ................................. Keynote: Peter Blanch, BPhty, MAppSc
9:15 a.m. - 9:40 a.m. ACSM EXCHANGE LECTURE: High-Volume, High-Intensity Exercise and Cardiovascular Health: Changing Paradigms and Perceptions ........................................... Keynote: Barry A. Franklin, PhD
9:40 a.m. - 9:55 a.m. Discussion and Questions

9:55 a.m. - 10:25 a.m. REFRESHMENT BREAK | FELLOWSHIP FAIR | POSTER SESSION 3A (Exhibit Hall)

10:25 a.m. - 12:00 p.m. SESSION #12: REACHING TO THE FUTURE OF CELL THERAPY ............................................. Moderator: Shane A. Shapiro, MD
10:25 a.m. - 10:30 a.m. Introduction .................................................................................................................. Shane A. Shapiro, MD
10:30 a.m. - 10:55 a.m. Advances in Cell Therapy for Osteoarthritis and Cartilage Disorders ......................... Lisa A. Fortier, DVM, PhD
10:55 a.m. - 11:20 a.m. Is There ANY Evidence for the Effectiveness of Stem Cell Treatments for Orthopedic Conditions? ........................................................................................................ Gerard A. Malanga, MD
11:20 a.m. - 11:40 a.m. Regenerative Medicine in the Wild – Current Practices and Controversies in the Professional Sport ... Keynote: Ron Weathers, DPT, PT, SCS, ATC
11:40 a.m. - 12:00 p.m. Discussion and Questions

12:00 p.m. - 1:30 p.m. LUNCH (on your own)

12:15 p.m. - 1:15 p.m. TEAM PHYSICIAN BREAKOUT SESSION:
High School ........................................................................................................................................ Bob Colgate and Verle Valentine, MD

1:30 p.m. - 4:15 p.m. SESSION #13: INTERNATIONAL | STATE OF THE UNION FOR AMSSM | AWARDS

1:30 p.m. - 2:15 p.m. Reaching Around the Globe: International Perspectives on Sports Medicine (Traveling Fellows)
Faculty: Kenneth P. Barnes, MD, MSc; Philip D. Batty, MB ChB, MRCPG, DObstRCOG; Hilde Moseby Berge, MD, PhD; Peter Brukner, OAM, MBBS, FFSEM; Medicerr M. Hall, MD; Simon Kemp, MBBS, MRCPG, MSc (SEM); and E. Lee Rice, DO

2:15 p.m. - 3:15 p.m. STATE OF THE UNION FOR AMSSM/PRESIDENTIAL ADDRESS (All members encouraged to attend)

3:15 p.m. - 4:15 p.m. RESEARCH AND CASE AWARD PRESENTATIONS
SATURDAY, APRIL 28, 2018 continued...

3:15 p.m. - 3:30 p.m.  
**Announcement and Introduction:**  
CRN Shark Tank Grant Winner, Research, Case and Resident Scholarship Awards

3:30 p.m. - 3:40 p.m.  
**Best Research Award Presentation**

3:40 p.m. - 3:55 p.m.  
**NATA EXCHANGE RESEARCH AWARD**  
**DISTINGUISHED SCHOLAR PRESENTATION**  
**Keynote:** David R. Bell, PhD, ATC

3:55 p.m. - 4:05 p.m.  
**Best Case Award Presentation #1**  
**Moderator:** Matthew Silvis, MD

4:05 p.m. - 4:15 p.m.  
**Best Case Award Presentation #2**  
**Moderator:** Matthew Silvis, MD

4:15 p.m. - 4:45 p.m.  
**REFRESHMENT BREAK | FELLOWSHIP FAIR | POSTER SESSION 3B (Exhibit Hall)**

5:00 p.m. - 8:15 p.m.  
**S.M.A.R.T. – E.S.T. WORKSHOP**  
(Pre-registration and separate fee required)  
**Co-Chairs:** Christopher Hogrefe, MD and Michael J. Petrizzi, MD  
**Faculty:** Christopher Hogrefe, MD; Co-Chair; Michael J. Petrizzi, MD; Co-Chair; Kevin E. Burroughs, MD; James “Jay” R. Clugston, MD, MS; Steven L. Cole, ATC; B. Elizabeth Delasobera, MD; Zachary Devilbiss, DO; B. Kent Diduch, MD; Kevin T. Dyer, MD; Alexander Ebinger, MD; Jeffrey P. Feden, MD; Alecia Gende, DO; Garry W.K. Ho, MD, CIC; Neilson Mathews, MD; Ross Mathiasen, MD; Matthew Negaoard, MD; Jeff Roberts, MD; Amity Rubeor, DO; Matthew Ryan, MAEd, ATC; Sue Shapiro, EdD, LAT, AT; Harry Stafford, MD, CSCS; Siobhan M. Statuta, MD; Jacob Stelter, MD; Timothy W. Thomsen, MD; Timothy Tiu, MD; Anna L. Waterbrook, MD; M. Terese Whipple, MD; Nicole T. Yedlinsky, MD; and Timothy J. Yu, MD

SUNDAY, APRIL 29, 2018

6:30 a.m. - 11:15 a.m.  
**REGISTRATION**

6:30 a.m. - 7:55 a.m.  
**CONTINENTAL BREAKFAST**

6:30 a.m. - 7:45 a.m.  
**INSTRUCTIONAL COURSE LECTURE**  
(Pre-registration and separate fee required)  
#33 More Than Skin Deep: How to Conquer Complex Laceration Repairs in the Training Room ……Christopher Hogrefe, MD; Ross Mathiasen, MD; and Timothy W. Thomsen, MD

7:00 a.m. - 7:45 a.m.  
**FACULTY DEVELOPMENT INSTRUCTIONAL COURSE LECTURE**  
(Pre-registration and separate fee required)  
#34 Battling Burnout and Building Personal Resilience ……………………………… Jessica Knapp, DO and Leonardo Oliveira, DO

7:00 a.m. - 7:45 a.m.  
**INSTRUCTIONAL COURSE LECTURES**  
#35 Point – Counterpoint: Treatment for Common Extensor Tendinopathy ……Michael Jonesco, DO; Dominic King, DO; and Evan Peck, MD  
#36 Exertional Heat Illness ……………… Francis G. O’Connor, MD, MPH and Michael Seth Smith, MD, PharmD  
#37 Frailty Fracture Service ……………………………………………………. Luis Alfredo Rodriguez, MD  
#38 Point – Counterpoint: Should Kids Participate in Tackle American Football? …James MacDonald, MD, MPH and Andrew R. Peterson, MD, MSPH  
#39 Orthobiologics and the Throwers Elbow: UCL Protocol ……………………………………. Jason A. Genin, DO  
#40 Harnessing Neurocognition for Sports Performance and Rehabilitation …Daniel C. Herman, MD, PhD and Zach Sutton, PT, DPT  
#41 RESIDENT/FELLOW SPECIFIC ICL: AIM for Fellowship – How to Apply, Interview and Match Well …………………………… Carly Day, MD; Melody Hrubes, MD and Amanda K. Weiss Kelly, MD
7:00 a.m. - 7:50 a.m.  RISING WITH RESEARCH (Pediatrics) .................................................. Moderator: Andrew H. Gordon, MD, PhD

8:00 a.m. - 8:05 a.m.  ANNOUNCEMENTS

8:05 a.m. - 9:30 a.m.  SESSION #14: REACHING CONCLUSIONS —
WHAT’S THE EVIDENCE? ....................... Co-Moderators: Kenneth P. Barnes, MD, MSc and Jason L. Zaremski, MD

8:05 a.m. - 8:10 a.m.  Introduction .................................................................................................................. Jason L. Zaremski, MD

8:10 a.m. - 8:25 a.m.  Stingers: What is the Evidence on Restriction and Return to Play –
Heading a Soccer Ball & Adolescents – Too Early or Too Late; Non-Displaced Salter Harris I Fractures: Casting vs. Bracing
The Winner of the 2017 Showcase Talk ................................................................. Rachel A. Coel, MD, PhD

8:25 a.m. - 8:40 a.m.  Dry Needling; PRP in Acute Muscle Injuries; Shock Wave Therapy
in Lateral Elbow Pain .......................................................................................... Peter Brukner, OAM, MBBS, FFSEM

8:40 a.m. - 8:55 a.m.  Participation in Athletics on Anticoagulants, Knee Bracing and
Knee Injury Prevention in American Football; Recurrence Rate of Shoulder
Instability in Adolescent Athletes: Rehab vs. Surgery ........................................ Kenneth P. Barnes, MD, MSc

8:55 a.m. - 9:10 a.m.  Outcomes on Knee Arthroscopy the Middle Aged Athlete Knee; Use of Bone
Stimulators After Stress Fracture; Activity Guidelines After Total Hip and
Knee Arthroplasty ............................................................................................. Joanne B. (Anne) Allen, MD

9:10 a.m. - 9:30 a.m.  Discussion and Questions

9:30 a.m. - 9:50 a.m.  REFRESHMENT BREAK

9:50 a.m. - 11:15 a.m.  SESSION #15: REACHING FOR THE MED BAG:
CURRENT TRENDS IN ACUTE SIDELINE MANAGEMENT ................. Moderator: Anna L. Waterbrook, MD

9:50 a.m. - 9:55 a.m.  Introduction .................................................................................................................. Anna L. Waterbrook, MD

9:55 a.m. - 10:10 a.m.  The Magic Wand: Uses for Ultrasound on the Sidelines ............................................ Aaron J. Monseau, MD

10:10 a.m. - 10:25 a.m.  ABCs: Managing the Athlete’s Airway ................................................................. Jeffrey P. Feden, MD

10:25 a.m. - 10:40 a.m.  Achieving Hemostasis in Difficult Situations ..................................................... Allison Lane, MD

10:40 a.m. - 10:55 a.m.  Otolaryngologist Needed: HEENT Sideline Pearls ............................................. Christopher Hogrefe, MD

10:55 a.m. - 11:15 a.m.  Discussion and Questions

11:15 a.m.  CLOSING REMARKS/ADJOURN
PRESIDENTIAL KEYNOTE SPEAKER

Francis G. O’Connor, MD, MPH
Dr. O’Connor, Professor and Chair, Military and Emergency Medicine, and Medical Director for the Consortium on Health and Military Performance, Uniformed Services University, has been a leader in sports medicine education and research for the military for over 30 years. Dr. O’Connor has authored over 90 peer reviewed articles in scientific journals and numerous book chapters/technical reports/health promotion resources for the military. He has been on the Board of several leading organizations in sports medicine including the American College of Sports Medicine (ACSM) and the American Medical Athletic Association as well as Past President of the American Medical Society of Sports Medicine.

INTERNATIONAL KEYNOTE SPEAKERS

Hilde Moseby Berge, MD, PhD
Dr. Berge received her medical degree and doctorate from the University of Oslo. She specialized in family medicine and authorized in sports medicine. Dr. Berge is a former Board Member of the Norwegian Association for Sports and Exercise Medicine, and President of the Scandinavian Foundation of Medicine & Science in Sports. She is a current Editor of the British Journal of Sports Medicine, Senior Research Fellow (“Cardiac Screening, and Cardiac Arrest in Sports”) at the Oslo Sports Trauma Research Center and Chief Medical Officer Paralympics Norway at The Norwegian Olympic Training Center (Olympiatoppen) in Oslo, Norway.

Peter Blanch, BPhy, MAppSc
Peter Blanch is the Director of Medical Services for the Brisbane Lions Australian Football Club, an Associate Professor at the School of Allied Health Sciences of Griffith University and an Associate Editor of the Journal of Science and Medicine in Sport. He has previously held the roles of Sports Science and Medicine Manager for Cricket Australia and the Director of Research at the Department of Physical Therapies at the Australian Institute of Sport. He has combined an over 30-year career as a clinician in elite sport with an extensive research background with over 50 peer-reviewed papers.

Peter Brukner, OAM, MBBS, FFSEM
Dr. Brukner is a sports physician and Professor of Sports Medicine at La Trobe University, Melbourne, Australia. He is the founding partner of Olympic Park Sports Medicine Centre in Melbourne, a former President of the Australasian College of Sports Physicians and co-author of Clinical Sports Medicine. He has been team doctor to national athletics, soccer and cricket teams, as well as the Australian Olympic team, and served as Head of Sports Medicine and Sports Science at Liverpool Football Club.

Johan Michaud, MD, FRCPC
Dr. Michaud is Assistant Professor of Physiatry at the University of Montreal Hospital Centre (CHUM), Montreal, Canada. Musculoskeletal Ultrasound (MSUS) consultant and Sports Medicine consultant at CHUM and Institut de Physiatrie du Québec. He has multiple participations in international courses or scientific publications on MSUS with a special interest in sports lesion, muscular lesion and peripheral nerve ultrasound.

Jon Patricios, MBBCh, MMedSci, FFSEM
Dr. Patricios is a sports physician and Director of Waterfall Sports Orthopaedic Surgery in Johannesburg, South Africa. Jon serves on the Advisory Board of the University of Washington, Seattle Sports Health and Safety Institute and is a faculty member of the Section of Sports Medicine, University of Pretoria and Emergency Medicine of the University of the Witwatersrand. He is a Senior Associate Editor of the British Journal of Sports Medicine and Current Sports Medicine Reports (USA) and served two terms as President of the South African Sports Medicine Association. Dr. Patricios is a member of the Concussion in Sports Group and a co-author of the Berlin, Concussion Consensus Statement. Jon has been a team physician to school, club, provincial and international sports teams in rugby, cricket, soccer, athletics and basketball.
KEYNOTE SPEAKERS

Jeffrey J. Bazarian, MD, MPH
Dr. Bazarian is a tenured professor of Emergency Medicine at the University of Rochester with an active research program in sport concussion. Dr. Bazarian and his research team have enrolled over 2,000 collegiate athletes in studies evaluating a variety of blood and imaging-based brain biomarkers. In 2010, he joined the University of Rochester Sport Concussion Clinic, providing concussion care to area high school and collegiate athletes.

J.W. Thomas Byrd, MD
Dr. Byrd is a Co-Founder of the Nashville Hip Institute (formerly Nashville Sports Medicine) and is Past President of the Arthroscopy Association of North America (AANA) and the International Society for Hip Arthroscopy (ISHA). He is team physician for the Tennessee Titans and previously served as physician for the U.S. Olympic Team. Dr. Byrd developed the technique of hip arthroscopy that is most popularly used around the world. He pioneered many of the specific surgical procedures for hip arthroscopy and invented numerous instruments that have revolutionized aspects of orthopaedic surgery. He has authored three textbooks on hip arthroscopy, edited numerous other textbooks and journals as well as published over 100 scientific papers, technical and review articles and book chapters.

Vanessa Curtis, MD
Dr. Curtis is a pediatric endocrinologist at the University of Iowa, Carver College of Medicine. She completed pediatrics residency and endocrine fellowship at the University of Wisconsin, where her research focused on insulin resistance in the setting of obesity. Her clinical interests include childhood fitness and obesity and treating athletes with endocrine pathology. She is the Director of Cardio-Metabolic Clinic at the University of Iowa Stead Family Children’s Hospital. Vanessa is also an avid cyclist.

Lisa A. Fortier, DVM, PhD
Dr. Fortier is a Professor of Surgery at Cornell University, College of Veterinary Medicine in Ithaca, New York, with a particular interest in translational research including the prevention of post-traumatic osteoarthritis. In addition, her internationally renowned research investigates the clinical application of stem cells and biologics such as platelet-rich plasma and bone marrow concentrate for cartilage repair and tendinosis. She received her DVM from Colorado State University and completed her PhD and surgical residency training at Cornell University. She is boarded with the American College of Veterinary Surgeons and is an active equine orthopedic surgeon at Cornell. She has received the Jaques Lemans Award from the International Cartilage Repair Society, the New Investigator Research Award from the Orthopedic Research Society and the Pfizer Research Award for Research Excellence from Cornell University.

Tyler Hamilton
Tyler Hamilton was once one of the world’s top-ranked cyclists. He started his career with the U.S. Postal Service team in the 1990s and quickly rose to become Lance Armstrong’s most trusted lieutenant and a member of his inner circle. For the first three of Armstrong’s record seven Tour de France victories, Hamilton was by Armstrong’s side, clearing his way. Denying the use of performance enhancing drugs for years, Hamilton was subpoenaed to testify before a grand jury and for the first time, broke the code of silence that had protected the sport’s hard truth for so long. In 2012, Hamilton released his memoir, The Secret Race: Inside the Hidden World of the Tour de France: Doping, Cover-ups, and Winning at All Costs, a riveting journey into the heart of a never before seen world and the stark choices that went along with his decision to compete at a world class level. The book became an instant New York Times bestseller and was the recipient of the prestigious William Hill Sports Book of the Year Award.
Patrick J. Hanaway, MD
Dr. Hanaway is a board-certified family physician trained at Washington University. Dr. Hanaway served on the Executive Committee for the American Board of Integrative Medicine and is Past President of the American Board of Integrative Holistic Medicine. For the past 18 years, he has worked with his wife in clinical practice at Family to Family: Your Home for Whole Health Care in Asheville, NC. After 10 years as Chief Medical Officer at Genova Diagnostics, Dr. Hanaway became the Chief Medical Education Officer at the Institute for Functional Medicine (IFM) where he oversaw the development and implementation of IFM’s programs worldwide. He continues to consult and teach with IFM. In 2014, Dr. Hanaway helped develop the collaboration between IFM and the Cleveland Clinic, where he was the founding Medical Director and now serves as the Director of Research at the Cleveland Clinic Center for Functional Medicine.

John W. Harrington, MD
Dr. Harrington is Professor of Pediatrics and Division Director of General Academic Pediatrics at Eastern Virginia Medical School and Children’s Hospital of The King’s Daughters in Norfolk, Virginia. He is married with three children; two neuro-typical daughters aged 24 and 20, and a 22 year-old son with autism, who is now a gainfully employed worker at a Regional Medical Center in Chesapeake, Virginia.

Kathleen M. McCauley, JD
Ms. McCauley is a shareholder and concentrates her practice in complex litigation, including the defense of medical malpractice actions, hospital and medical school liability, product liability and employment matters. She represents physicians, nurses and other licensed health care providers, hospitals as well as medical schools in medical negligence actions. Her practice includes healthcare and hospital risk management and administrative matters including representation before the Commonwealth of Virginia’s health regulatory boards. She regularly counsels clients on a variety of insurance, risk management and quality assurance matters as well as called upon to assist with complex issues surrounding discharge planning and clinical ethics. She has authored and is a national speaker on the legal issues surrounding general surgery, bariatric surgery, EHR, social media, telemedicine, ACO liability and general healthcare risk management. Ms. McCauley is listed in The Best Lawyers in America® for Medical Malpractice Defense. She is a Fellow, Litigation Counsel of America (LCA) and a Fellow, American College of Trial Lawyers, a distinction of which she is most proud. In recent years, Ms. McCauley has been recognized as one of Virginia’s “Legal Elite” in Health Law and as a Virginia Super Lawyer in Medical Malpractice Defense. In 2015, 2016 and 2017 she was named one of the Top 50 Women Lawyers and one of the Top 100 Lawyers in the commonwealth by Virginia Super Lawyers as well. Virginia Lawyers Media named Ms. McCauley one of their 2013 Influential Women of Virginia and one of their 2015 Leaders in the Law.

Patrick O. McKeon, PhD, ATC, CSCS
Dr. McKeon is an Associate Professor and the Clinical Education Coordinator of the Ithaca College Athletic Training Education Program in Ithaca, New York. His clinical research focuses on functional alterations associated with lower extremity injury, with emphasis on the foot core system in the rehabilitation and prevention of these injuries. Dr. McKeon serves as the Co-Editor-in-Chief of the International Journal of Athletic Therapy and Training with his wife, Jennifer McKeon, also an Ithaca College Athletic Training Professor.
Allen K. Sills, MD
Less than one year ago, Dr. Sills was named Chief Medical Officer (CMO) for the NFL, a new full-time position based in New York. Dr. Sills joins the NFL from Vanderbilt University Medical Center where he serves as Professor of Neurological Surgery, Orthopaedic Surgery and Rehabilitation as well as Founder and Co-Director of the Vanderbilt Sports Concussion Center. Dr. Sills, a neurosurgeon who has specialized in the treatment of athletes, will strengthen the NFL's ongoing efforts to advance the health and safety of the sport. He will work closely with team medical staffs across the league, the NFL Players Association and its advisors and the many medical and scientific experts who comprise the NFL's medical committees and guide the NFL's health and research efforts. Throughout his distinguished career, Dr. Sills has worked with numerous professional and collegiate sports programs. In addition to providing care for players on NFL sidelines as an Unaffiliated Neurotrauma Consultant, he has served as a Neurological Consultant to the NCAA and the International Equestrian Foundation (FEI). He has also worked as consulting neurosurgeon for the NBA's Memphis Grizzlies, the NHL's Nashville Predators and the U.S. Equestrian Foundation. Dr. Sills is an active researcher who has published more than 150 scientific articles and presentations including more than 40 in the last five years on the topic of sports concussion. He is a member of the Concussion in Sport Group, which publishes international standards regarding concussion in sport. Dr. Sills also serves as Section Editor for Sports and Rehabilitation for the journal, *Neurosurgery*.

Jeff Volek, PhD, RD
Dr. Volek is a registered dietitian and professor in the Department of Human Sciences at The Ohio State University. For the last two decades, he has performed cutting edge research on how humans adapt to ketogenic diets with a dual focus on clinical and performance applications of nutritional ketosis. His scholarly work includes more than 300 peer-reviewed scientific manuscripts and five books, and he has provided more than 200 lectures at scientific and industry conferences around the world. Dr. Volek's work has contributed to the existing science of ketones and ketogenic diets, their use as a therapeutic tool to manage insulin resistance including the ability to reverse type-2 diabetes, plus their increasing potential to augment human resiliency. He has accumulated an extensive amount of laboratory and clinical data as it pertains to formulation of personalized, effective, and sustainable ketogenic diets. His team at Ohio State University is currently focused on breaking open new application related to nutritional ketosis. These studies are exploring the role of nutritional ketosis on cardiometabolic status, ectopic fat accumulation in various tissues, tumor metabolism and health outcomes in various types of cancer, and human physical and cognitive capabilities in military personnel. Dr. Volek is the Chief Science Officer and Co-Founder of Virta Health, a specialty medical clinic that reverses type-2 diabetes safely and sustainably, without the risks, costs or side effects of medications or surgery. Dr. Volek has a Bachelor of Science in dietetics from Michigan State University as well as a Master of Science in exercise physiology and Doctorate in kinesiology and nutrition from Pennsylvania State University.

Ron Weathers DPT, PT, SCS, ATC
Dr. Weathers is the Director of Rehabilitation/Assistant Athletic Trainer with the Orlando Magic. Weathers provides all aspects of injury prevention and physical therapy services. In addition, he monitors injury trends and focuses on injury prevention through functional movement assessment, manual therapy and athletic performance enhancement. Prior to joining the Magic, Weathers served as Sports Rehabilitation Specialist/Assistant Athletic Trainer for Duke University Athletics. While at Duke, he provided physical therapy and athletic training services for the Olympic sports.

Timothy J. Wittenauer, PT, CFMT
Tim is the NHL Florida Panther’s Director of Sport and Medical Science and Organizational Physical Therapist. He graduated from the Medical College of Virginia Physical Therapy program in 1993 and earned the title of Certified Functional Manual Therapist™ (CFMT) with distinction in 1998. Tim owns Advanced Physical Therapy, Inc., has served as a consultant to university athletic training, directs a DPT post-graduate residency program and is a primary instructor for the Institute of Physical Art.
EXCHANGE LECTURE SPEAKERS

Annunziato (Ned) Amendola, MD (AOSSM)
Dr. Amendola is a Professor in the Department of Orthopedic Surgery, and the Chief, for the Division of Sports Medicine at Duke University. He is involved in the sports medicine and foot/ankle fellowship programs. His clinical and research interests focus on improving the understanding, prevention, treatment and rehabilitation of sports and activity-related problems of the lower extremity. Throughout his career, Dr. Amendola has received numerous peer-reviewed grants and published over 250 peer-reviewed articles as well as authored extensive number of book chapters and editor of three textbooks in sports medicine and arthroscopy. He has earned numerous research-related awards including the Excellence in Research Award, Cabaud and O’Donohue Awards from the AOSSM as well as the Achilles Award from ISAKOS. He is an active member of many orthopedic and sports medicine organizations, including Past President for the American Orthopaedic Sports Medicine Society and Director on the American Board of Orthopaedic Surgery. Dr. Amendola has been a member of the Board of Directors for ISAKOS, AAOS, Arthroscopy Association of North America and for the Canadian Academy of Sport and Exercise Medicine (CASEM), and was also President of CASEM in 1997.

David R. Bell, PhD, ATC (NATA)
Dr. Bell is an Assistant Professor at the University of Wisconsin–Madison. His research focuses on identifying risk factors for musculoskeletal injury including sport specialization. Additionally, he is interested in improving outcomes after knee surgery. His work has been funded by the National Athletic Trainer’s Association, the American Medical Society of Sports Medicine and the American College of Sports Medicine. He is the recipient of the 2017 New Investigator Award from the NATA Research and Education Foundation.

Barry A. Franklin, PhD (ACSM)
Dr. Franklin serves as Director of Preventive Cardiology and Cardiac Rehabilitation at William Beaumont Hospital in Royal Oak, Michigan, and holds faculty appointments as Professor of Physiology, Wayne State University School of Medicine, and Professor of Internal Medicine and Biomedical Engineering, Oakland University William Beaumont School of Medicine. His research over the past four decades combines exercise physiology, cardiac rehabilitation, preventive cardiology and lifestyle medicine. Barry is a past editor-in-chief of the Journal of Cardiopulmonary Rehabilitation and Prevention and the American Journal of Medicine and Sports, and is a Past President of the American Association of Cardiovascular and Pulmonary Rehabilitation (AACVPR, 1988) and the American College of Sports Medicine (ACSM, 1999). Currently, he serves on the editorial boards of 15 scientific and clinical journals. In 2015, Barry was listed by Thomson Reuter’s among the World’s Most Influential Scientific Minds (Clinical Medicine).

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Dr. Hunt is an Associate Professor Faculty member of the Physical Medicine and Rehabilitation section in the Department of Orthopaedic Surgery at Washington University School of Medicine in Saint Louis, Missouri. She is fellowship trained in musculoskeletal sports medicine. Her clinical and research interests focus on young adult hip disorders. Dr. Hunt has authored peer-reviewed articles, review articles and book chapters on topics related to musculoskeletal disorders and rehabilitation.

Levon N. Nazarian, MD (AIUM)
Dr. Nazarian is a Professor of Radiology and Vice-Chairman for Education at the Sidney Kimmel Medical College of Thomas Jefferson University. He has co-authored more than 100 peer-reviewed manuscripts on topics related to musculoskeletal ultrasound. Since 2011, he has been Editor-in-Chief of the Journal of Ultrasound in Medicine. In 2017 he was awarded the Joseph H. Holmes Clinical Pioneer Award by the American Institute of Ultrasound in Medicine.
<table>
<thead>
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<th>Title</th>
<th>Institution</th>
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</table>
CONFIRMED COURSE FACULTY

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**Edward M. Wojtys, MD;** William S. Smith Collegiate Professor, Department of Orthopaedic Surgery, University of Michigan, Ann Arbor, Michigan; Editor-in-Chief, *Sports Health Journal: A Multidisciplinary Approach*
CONFIRMED COURSE FACULTY

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The following Faculty are members of the AMSSM who volunteer their time and pay the member conference registration rate and receive no expense reimbursement.

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CONFIRMED COURSE FACULTY

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Rob Johnson, MD; Professor, Department of Family Practice and Community Medicine; Team Physician, University of Minnesota Athletics, University of Minnesota, Minneapolis, Minnesota; Vice President, AMSSM Foundation; Founder, Past President, American Medical Society for Sports Medicine

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Susan M. Joy, MD; Kaiser Permanente Sports Medicine Center, Sacramento, California; Team Physician, Sacramento Kings; Board of Director, AMSSM Foundation

Morteza Khodaei, MD, MPH; Associate Professor, Department of Family Medicine and Orthopedics, University of Colorado, School of Medicine, Denver, Colorado

Brett J. Kindle, MD; Department of Non-Operative Sports Medicine, Andrews Institute, Gulf Breeze, Florida

Dominic King, DO; Joint Preservation Center, Soft Tissue Orthobiologics; Chairman, Orthopaedic Technology Committee; Co-Lead Physician, Knee Osteoarthritis CarePath, Department of Orthopaedic Surgery, Cleveland Clinic, Cleveland, Ohio

Jessica Knapp, DO; MAHEC Sports Medicine Fellowship Program, Asheville, North Carolina

Jordan Knoepler, MD; Resident, Columbus Regional Family Practice Residency Program, Columbus, Georgia

Jennifer Scott Koontz, MD, MPH; Assistant Professor, University of Kansas, School of Medicine – Wichita, Wichita, Kansas; Private Practice, Newton Orthopaedics and Sports Medicine, Newton Medical Center, Newton, Kansas; Board of Director; Chairperson, Practice and Policy Committee, American Medical Society for Sports Medicine

Albert J. Kozar, DO; Director, ONMM “Plus-One” Residency and Integrated ONMM/Sports Medicine Residency Program; Associate Professor, OMM and Sports Medicine, Edward Via College of Osteopathic Medicine (VCOM); Private Practice, Academic Sports & Osteopathic Medicine (ASOM), Blacksburg, Virginia

Andrea Kussman, MD; Clinical Assistant Professor, Department of Orthopaedic Surgery, Stanford University, Palo Alto, California

Cynthia R. LaBella, MD; Professor, Department of Pediatrics, Northwestern University, Feinberg School of Medicine; Medical Director, Institute for Sports Medicine, Ann and Robert H. Lurie Children's Hospital of Chicago, Chicago, Illinois

Michele LaBotz, MD; InterMed Physician Associates, Portland, Maine

Allison Lane, MD; Assistant Professor, Department of Emergency Medicine, Sports Medicine, University of Arizona, Banner University Medical Center, Tucson, Arizona

Mark E. Lavallee, MD, CSCS; Director, WellSpan – York Sports Medicine Fellowship Program, York, Pennsylvania; Assistant Clinical Professor, Pennsylvania State University, College of Medicine, Hershey, Pennsylvania; Associate Clinical Professor, Drexel University, School of Medicine, Philadelphia, Pennsylvania; Head Team Physician, Gettysburg College; Chairman, USA Weightlifting, Sports Medicine Society, Colorado Springs, Colorado; Director/Member, International Weightlifting Federation, Masters Program/Medical Committee, Budapest, Hungary

Constance M. Lebrun, MD, MPE, CCFP(SEM); Professor, Department of Family Medicine, University of Alberta, Edmonton, Alberta; Consultant Sport Medicine Physician, Glen Sather Sports Medicine Clinic, Edmonston, Alberta

John Leddy, MD; Professor of Clinical Orthopaedics and Rehabilitation Sciences, University at Buffalo, Jacobs School of Medicine and Biomedical Sciences, Buffalo, New York

Matthew S. Leiszlter, MD; Football Team Physician, University of Notre Dame, Notre Dame, Indiana

Paul Lento, MD; Sarasota Orthopedic Associates, Sarasota, Florida

Amy Leu, DO; Assistant Clinical Professor; Assistant Director, Primary Care Sports Medicine Fellowship Program, Department of Family Medicine and Public Health, University of California – San Diego, La Jolla, California

Laura J. Lintner, DO; Assistant Professor, Department of Family Medicine, Wake Forest University, School of Medicine, Winston-Salem, North Carolina

Kelsey Logan, MD, MPH; Cincinnati Children’s Hospital, Division of Sports Medicine; Associate Professor of Pediatrics and Internal Medicine, University of Cincinnati, College of Medicine, Cincinnati, Ohio; Board of Director, Chairperson, Communications Committee, American Medical Society for Sports Medicine

Daniel Lueders, MD; University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

James MacDonald, MD, MPH; Clinical Associate Professor of Pediatrics and Family Medicine, The Ohio State University, Columbus, Ohio; Section of Sports Medicine, Nationwide Children’s Hospital, Columbus, Ohio
CONFIRMED COURSE FACULTY

VOLUNTEER MEMBER SPEAKERS continued...

Jim Macintyre, MD, MPE, Dip Sport Med; Center of Orthopedic and Rehabilitation Excellence (CORE), West Jordan, Utah

Gerard A. Malanga, MD; New Jersey Sports Medicine Center, LLC, New Jersey Regenerative Institute, Cedar Knolls, New Jersey; Clinical Professor, Physical Medicine and Rehabilitation, Rutgers School of Medicine – NJ Medical School, Newark, New Jersey

Jennifer Malcolm, MD; Primary Care Sports Medicine Physician, McKinley Orthopedic and Sports Medicine, Fairbanks, Alaska

Robert Masocol, MD; Assistant Professor, Center for Family Medicine, Greenville Health System, Greenville, South Carolina

R. Amadeus Mason MD; Assistant Professor, Department of Orthopaedics, Assistant Professor, Department of Family Medicine, Emory University, School of Medicine, Atlanta, Georgia

Christina L. Master, MD; Professor of Clinical Pediatrics, University of Pennsylvania, Perelman School of Medicine, Sports Medicine and Performance Center, The Children’s Hospital of Philadelphia, Philadelphia, Pennsylvania

Neilson Mathews, MD; Director, Primary Care Sports Medicine Fellowship Program, Lehigh Valley Health Network; Allentown, Pennsylvania; Assistant Professor; Department of Family Medicine; Morsani College of Medicine, University of South Florida, Tampa, Florida

Ross Mathiasen, MD; Assistant Professor, Department of Emergency Medicine, Department of Orthopaedic Surgery, University of Nebraska Medical Center, Omaha, Nebraska

Dawn D. Mattern, MD; Trinity Sports Medicine, Minot, North Dakota

Jason M. Matuszak, MD; Chief of Sports Medicine, Excelsior Orthopaedics, Amherst, New York; Clinical Assistant Professor, Department of Family Medicine, University at Buffalo, Buffalo, New York; Vice Chairperson, Practice & Policy Committee, American Medical Society for Sports Medicine

Kenneth R. Mautner, MD; Associate Professor, Department of Physical Medicine and Rehabilitation and the Department of Orthopedic Surgery, Emory University, Atlanta Georgia

Timothy J. Mazzola, MD; Regenerative Orthopedics & Sports Medicine of Boulder, Boulder, Colorado; Senior Clinical Instructor, Department of Family Medicine, University of Colorado, School of Medicine, Denver, Colorado

Temi M. McCambridge, MD; Assistant Professor of Pediatrics and Orthopedics, University of Maryland Medical System, Baltimore, Maryland; Director, Towson Sports Medicine, Towson, Maryland

William P. Meehan, MD; Director, The Micheli Center for Sports Injury Prevention; Assistant Professor of Pediatrics and Orthopedics, Harvard Medical School, Boston, Massachusetts

Mark H. Mirabelli, MD; Director, Primary Care Sports Medicine Fellowship Program, Faculty, Hip and Knee Arthritis Clinic, Sports Concussion Center; Assistant Professor, Departments of Orthopaedics, Family Medicine and Physical Medicine and Rehabilitation, University of Rochester, Rochester, New York; Team Physician, St. John Fisher College; Team Physician, Rochester Knighthawks; Team Physician, Rochester Rattlers; Ringside Physician, NY State Athletic Commission

Robert Monaco, MD, MPH; Rutgers University, New Brunswick, New Jersey

Aaron J. Monseau, MD; Associate Professor, Department of Emergency Medicine; Head Team Physician and Medical Director, Department of Intercollegiate Athletics, West Virginia University, Morgantown, West Virginia

Nick Monson, DO; Assistant Professor, Department of Orthopaedics, University of Utah, Salt Lake City, Utah

Patrick J. Moreno, MD; Penn Medicine Lancaster General Health Physicians Sports Medicine, Littitz, Pennsylvania; Clinical Associate Professor, School of Nursing, University of Pennsylvania, Philadelphia, Pennsylvania

Rebecca A. Myers, MD; Private Practice, Longs Peak Sports Medicine, Longmont, Colorado; Associate Clinical Professor, Department of Family Medicine, University of Colorado, Denver, Colorado; Board of Director, Co-Chairperson, Education Committee, American Medical Society for Sports Medicine

Kyle Nagle, MD, MPH; University of Colorado, Children’s Hospital Colorado, Aurora, Colorado

Matthew Negaard, MD; Resident, Department of Emergency Medicine, University of Iowa Hospitals and Clinics, Iowa City, Iowa

Marcia Newby-Goodman, MD; Chief Resident, Halifax Health Family Medicine Residency Program, Daytona Beach, Florida

Andrew W. Nichols, MD; Clinical Professor, Department of Family Medicine and Community Health; Director, Sports Medicine Fellowship Program; University Health Services Manoa, University of Hawaii at Manoa University of Hawaii, John A. Burns School of Medicine, Honolulu, Hawaii

Mark W. Niedfeldt, MD; Associate Clinical Professor, Departments of Family Medicine, Cell Biology, Neurobiology and Anatomy, Medical College of Wisconsin, Milwaukee, Wisconsin; Private Practice, Mequon, Wisconsin

Nathaniel Nye, MD, Maj, USAF, MC; 559th Trainee Health Squadron, JBSA – Lackland, Texas

Francis G. O’Connor, MD, MPH; Professor and Chair, Military and Emergency Medicine, Uniformed Services University of the Health Sciences, Bethesda, Maryland; Past President, American Medical Society for Sports Medicine

Robert C. Oh, MD, MPH; Associate Professor, Department of Family Medicine, Uniformed Services University of the Health Sciences, Bethesda, Maryland; Faculty Development Director, Madigan Army Medical Center, Tacoma, Washington

Richard A. Okragsly, MD; Director, TriHealth Primary Care Sports Medicine Fellowship Program; Director of Sports Medicine, Bethesda Family Medicine Residency Program; Cincinnati, Ohio

Leonardo Oliveira, MD; Assistant Professor of Orthopaedic Surgery and Rehabilitation Medicine, University of Chicago, Chicago, Illinois

Ronald P. Olson, MD; Associate Professor, Department of Family Medicine, University of Southern California, Los Angeles, California
CONFIRMED COURSE MEMBER FACULTY
VOLUNTEER MEMBER SPEAKERS continued...

Kentaro Onishi, DO; Assistant Professor, Department of Physical Medicine and Rehabilitation and Orthopedic Surgery, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

Cayce A. Onks, DO, MS, ATC; Assistant Professor, Departments of Family Medicine and Orthopedics, Penn State Hershey Medical Center, Hershey, Pennsylvania

Benjamin L. Oshlag, MD; Assistant Professor of Sports Medicine and Emergency Medicine, Department of Orthopaedics and Department of Emergency Medicine, Columbia University Medical Center, New York, New York

Jeffrey M. Payne, MD; Assistant Professor, Department of Physical Medicine and Rehabilitation, Mayo Clinic, College of Medicine, Jacksonville, Florida

Evan Peck, MD; Section of Sports Health, Levitetz Department of Orthopaedic Surgery, Cleveland Clinic Florida, Weston, Florida; Affiliate Assistant Professor of Clinical Biomedical Science, Charles E. Schmidt College of Medicine, Florida Atlantic University, Boca Raton, Florida

Andrew R. Peterson, MD, MSPH; Associate Professor, Department of Pediatrics, University of Iowa, Iowa City, Iowa

Michael J. Petrizzi, MD; Clinical Professor of Family Medicine and Population Health, Virginia Commonwealth University, Richmond, Virginia; Private Practice, Mechanicville, Virginia

Amanda Phillips-Savoy, MD, MPH; Assistant Professor, Department of Family Medicine; Director, Primary Care Sports Medicine Fellowship Program, University Hospital and Clinic, Louisiana State University Health Science Center, Lafayette, Louisiana

Sourav K. Poddar, MD; Director, Primary Care Sports Medicine; Associate Professor, Departments of Family Medicine and Orthopedics, University of Colorado, School of Medicine, Denver, Colorado; Medical Director, University of Colorado Buffaloes, Boulder, Colorado; Vice Chairperson, Publications Committee, American Medical Society for Sports Medicine

Lauren Porras, MD; University of North Carolina – Chapel Hill, Chapel Hill, North Carolina

Emily B. Porter, MD, ATC; SSM Health – Dean Medical Group, Family and Sports Medicine, Madison, Wisconsin

Adam M. Pourcho, DO, ATC; Associate Professor, Swedish Rehabilitation and Performance Medicine, Seattle, Washington

James C. Presley, MD; Jacksonville, Florida

David E. Price, MD; Co-Director, Primary Care Sports Medicine Fellowship Program, Carolinas HealthCare System, Charlotte, North Carolina

James C. Puffer, MD; President and Chief Executive Officer, American Board of Family Medicine; Professor, Department of Family and Community Medicine, University of Kentucky, College of Medicine, Lexington, Kentucky; Founder, Past President, American Medical Society for Sports Medicine

George G.A. Pujalte, MD; Senior Associate Consultant, Family Medicine and Sports Medicine; Assistant Professor, Mayo Clinic, College of Medicine; Vice-Chair for Academics, Department of Family Medicine; Associate Director, Sports Medicine Fellowship Program, Jacksonville, Florida; Team Physician, USA Taekwondo; Vice Chairperson, Communications Committee, American Medical Society for Sports Medicine

Margot Putukian, MD; Director of Athletic Medicine; Head Team Physician; Assistant Director of Medical Services, University Health Services, Princeton University, Princeton, New Jersey; Associate Clinical Professor, Rutgers-Robert Wood Johnson Medical School, New Brunswick, New Jersey; Immediate Past President, American Medical Society for Sports Medicine

Sathish Rajasekaran MD; Clinical Assistant Professor, Physical Medicine & Rehabilitation, University of British Columbia, Vancouver, Canada

Ashwin L. Rao, MD; Associate Professor, Department of Family Medicine; Director, Sports Medicine Fellowship Program, University of Washington, Seattle, Washington; Board of Director, Co-Chairperson, Education Committee, American Medical Society for Sports Medicine

Jeremiah W. Ray, MD; Head Team Physician; Associate Diplomat Physician, University of California – Davis, School of Medicine, Davis, California

Andrew S. Reisman, MD; Head Team Physician, Student Health Services; Assistant Athletic Director, Sports Medicine, University of Delaware, Newark, Delaware

E. Lee Rice, DO; Medical Director and CEO, Lifewellness Institute, San Diego, California: Founder; Past President, American Medical Society for Sports Medicine

Katherine H. Rizzone, MD, MPH; Assistant Professor, Departments of Orthopaedics, Rehabilitation and Pediatrics, University of Rochester Medical Center, Rochester, New York

Jeff Roberts MD; Director VCU-St. Francis Primary Care Sports Medicine Fellowship Program, Midlothian, Virginia

William O. Roberts, MD, MS; Professor, Department of Family Medicine and Community Health, University of Minnesota, Minneapolis, Minnesota

Luis Alfredo Rodriguez, MD; Miami Orthopedics and Sports Medicine Institute, Miami, Florida

Eugene Y. Roh, MD; Clinical Assistant Professor, Sports Medicine; Director of Sports, MSK Ultrasound at PM&R/Orthopedic Surgery, Stanford University, Redwood City, California

David A. Ross, MD; Division of Sports Medicine, Ross Medical Group, Miami, Florida

Joshua Rothenberg, DO; Director of Regenerative Medicine, BocaCare Orthopedics, Boca Raton, Florida

Anna A. Rozman, DO, MBA; Resident, Department of Physical Medicine and Rehabilitation, Montefiore Medical Center, Bronx, New York
CONFIRMED COURSE FACULTY
VOLUNTEER MEMBER SPEAKERS continued...

Amity Rubeor, DO; Affinity Sports Medicine, East Greenwich, Rhode Island

Kelly Ryan, DO; Associate Professor, Department of Family Medicine, Medstar Franklin Square/Sports Medicine, Baltimore, Maryland

Mark Sakr, DO; Assistant Professor, Department of Orthopaedics, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania

Bradley Sandella, DO, ATC(R); Associate Lead, Musculoskeletal Service Line; Director of Sports Medicine; Director, Sports Medicine Fellowship Program, Christiana Care Health System, Wilmington, Delaware

Peter H. Seidenberg, MD; Director, Penn State Primary Care Sports Medicine Fellowship Program – State College; Associate Professor of Orthopaedics and Rehabilitation; Associate Professor of Family and Community Medicine; Team Physician, Penn State University, State College, Pennsylvania

Jacob L. Sellon, MD; Assistant Professor, Department of Physical Medicine and Rehabilitation; Director, Primary Care Sports Medicine Fellowship Program, Mayo Clinic, Rochester, Minnesota

Selina Shah, MD; Sports and Dance Medicine, Private Practice, Walnut Creek, California; Vice Chairperson, Membership Committee, American Medical Society for Sports Medicine

Stephen P. Shaheen, MD; Assistant Professor, Emergency Medicine and Primary Care Sports Medicine; Associate Director, Primary Care Sports Medicine Fellowship Program; Assistant Team Physician, Duke University Athletics; Duke University Medical Center, Durham, North Carolina

Hamed Shalikar, MD; Fellow, Kaiser Permanente (Fontana) Sports Medicine Fellowship Program, Fontana, California

Shane A. Shapiro, MD; Assistant Professor, Department of Orthopedic Surgery, Mayo Clinic, College of Medicine, Jacksonville, Florida

David M. Siebert, MD; Assistant Professor, Department of Family Medicine, University of Washington, Seattle, Washington

Marc R. Silberman, MD; private practice, Founder, New Jersey Sports Medicine, Gillette, New Jersey

Matthew Silvis, MD; Professor, Departments of Family and Community Medicine & Orthopedics and Rehabilitation; Vice Chair Clinical Operations, Department of Family and Community Medicine; Director, Penn State Primary Care Sports Medicine Fellowship Program – Hershey; Penn State Milton S. Hershey Medical Center, Hershey, Pennsylvania

Bree Simmons, MD; St. Vincent Sports Performance, Indianapolis, Indiana

Stephen M. Simons, MD; Co-Director, South Bend – Notre Dame Sports Medicine Fellowship Program; Director, Sports Medicine, Saint Joseph Health System, Mishawaka, Indiana

Jay Smith, MD; Professor and Vice-Chair of Physical Medicine and Rehabilitation, Departments of Physical Medicine and Rehabilitation, Radiology and Anatomy, Mayo Clinic, Rochester, Minnesota

Michael Seth Smith, MD, PharmD; University of Florida, Department of Orthopedics and Rehabilitation, Division of Sports Medicine, Gainesville, Florida

M. Kyle Smoot, MD; Associate Professor, Department of Orthopaedic Surgery & Sports Medicine; Associate Director, Sports Medicine Fellowship Program; Associate Head Team Physician, UK Athletics, University of Kentucky, Lexington, Kentucky

Harry Stafford, MD, CSCS; Assistant Professor, Department of Sports Medicine, Orthopedics and Family Medicine, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina

Siobhan M. Statuta, MD; Director, Primary Care Sports Medicine Fellowship Program; Assistant Professor, Family Medicine and Physical Medicine & Rehabilitation; Team Physician, UVA Sports Medicine, University of Virginia, Charlottesville, Virginia

Phillip Steele, MD; Performance Injury Care and Sports Medicine, Helena, Montana

Jacob Stelter, MD; Resident, Department of Emergency Medicine, Northwestern University, Feinberg School of Medicine, Northwestern Memorial Hospital, Chicago, Illinois

J. Herbert Stevenson, MD; Director of Sports Medicine; Director, Sports Medicine Fellowship Program; Associate Professor, Department of Family and Community Medicine, University of Massachusetts, Medical School; Joint Appointment, University of Massachusetts, Department of Orthopedics, Fitchburg, Massachusetts

Mark Stovak, MD; Professor, University of Nevada – Reno, School of Medicine, Department of Family and Community Medicine; Team Physician, University of Nevada – Reno Athletics, Reno, Nevada; Secretary/Treasurer, American Medical Society for Sports Medicine

Shelley Street Callender, MD; Associate Professor, Department of Pediatrics and Family Medicine, Mercer University, School of Medicine, Navicent Health Systems, Macon, Georgia

Jennifer D. Stromberg, MD; Carolina Family Practice and Sports Medicine; Clinical Associate, Duke Community and Family Medicine, Cary, North Carolina

Michael Swartzon, MD; Assistant Professor, Florida International University; Director, West Kendall Baptist Primary Care Sports Medicine Fellowship Program; Associate Medical Director, Primary Care Orthopedics and Sports Medicine, Miami, Florida

Jill Sylvester, MD; Fellow, National Capital Consortium Military Primary Care Sports Medicine Fellowship Program, Uniformed Services of the Health Sciences, Fort Belvoir Community Hospital, Fort Belvoir, Virginia

Isaac P. Syrop, MD; Fellow, Physical Medicine and Rehabilitation and Sports Medicine, Department of Orthopedics, Stanford University, Redwood City, California; Fellowship Class Representative to the Fellowship Committee, American Medical Society for Sports Medicine

Jeffrey L. Tanji, MD; Associate Medical Director of Sports Medicine, University of California – Davis, School of Medicine; President, AMSSM Foundation Founder; Past President, American Medical Society for Sports Medicine
CONFIRMED COURSE FACULTY

VOLUNTEER MEMBER SPEAKERS continued...

Timothy W. Thomesen, MD; Assistant Professor, Department of Emergency Medicine and Department of Orthopedics and Rehabilitation, University of Iowa Hospitals and Clinics, Iowa City, Iowa

Heath C. Thornton, MD; Associate Professor, Department of Family and Community Medicine, Department of Orthopedic Surgery, Wake Forest, School of Medicine, Winston-Salem, North Carolina

Timothy Tiu, MD; Assistant Professor, Department of Rehabilitation Medicine, Albert Einstein College of Medicine; Montefiore Medical Center, Bronx, New York

Brett G. Toresdahl, MD; Assistant Attending Physician, Hospital for Special Surgery, New York, New York

Eric Traister, MD; Longs Peak Sports Medicine, Private Practice, Longmont, Colorado

Thomas Trojan, MD; Director, Sports Medicine Fellowship Program; Chief, Division of Sports Medicine; Professor, Department of Family, Community & Preventative Medicine; Chief Medical Officer, Drexel Athletics, Drexel University, College of Medicine, Philadelphia, Pennsylvania

Andrew M. Tucker, MD; Union Memorial Sports Medicine at Lutherville, Timonium, Maryland; Team Physician, Baltimore Ravens; Team Physician, Morgan State University

Verle Valentine, MD; Sports Medicine Physician, Sanford Orthopedics & Sports Medicine; Medical Director, Sanford Sports Science Institute; Assistant Professor, Sanford School of Medicine, University of South Dakota; Team Physician, South Dakota State University, Sioux Falls, South Dakota

Ricardo J. Vasquez-Duarte, MD; Sports Medicine Group, Miami, FL

Christian Verry, MD; Faculty, Mercy Family Medicine Residency Program; Adjunct Assistant Professor, Department of Family and Community Medicine, Saint Louis University, School of Medicine, Saint Louis, Missouri

Kevin R. Vincent, MD, PhD; Peter Indelicato, M.D. Endowed Professor of Orthopaedics and Sports Medicine; Division Chief, Physical Medicine & Rehabilitation; Director, UF Running Medicine Clinic; Medical Director, UF Sports Performance Center; Medical Director, Department of Orthopaedics and Rehabilitation, University of Florida, Gainesville, Florida

Christopher J. Visco, MD; Assistant Professor, Columbia University Medical Center; Associate Director, Residency Program; Director, Sports and Spine Rehabilitation Fellowship Program, Department of Rehabilitation and Regenerative Medicine, Columbia University College of Physicians and Surgeons, New York Presbyterian Hospital, New York, New York

Brandee L. Waite, MD; Associate Professor, Sports Medicine, Department of Physical Medicine and Rehabilitation, University of California – Davis, Sacramento, California

Bryant Walrod, MD; Assistant Clinical Professor, Department of Family Medicine; Team Physician, The Ohio State Buckeyes, The Ohio State University, Columbus, Ohio

Anna L. Waterbrook, MD; Associate Professor, Department of Emergency Medicine; Associate Director, South Campus Residency Program; Associate Director, Sports Medicine Fellowship Program; Assistant Team Physician, Intercollegiate Athletics, The University of Arizona, Tucson, Arizona

David N. Westerdahl, MD; Cleveland Clinic – Florida, Department of Orthopedics, Weston, Florida

Amanda K. Weiss Kelly, MD; Clinical Professor of Pediatrics, University Hospitals Cleveland Medical Center, Rainbow Babies and Children’s Hospital, Cleveland, Ohio; Board of Director, Co-Chairperson, Fellowship Committee, American Medical Society for Sports Medicine

M. Terese Whipple, MD; Resident, Department of Emergency Medicine, Northwestern University, Feinberg School of Medicine, Chicago, Illinois

Kristina M. Wilson, MD, MPH; Medical Director, Pediatric and Adolescent Sports Medicine and Physical Therapy, Phoenix Children’s Hospital; Co-Medical Director, Brain Injury and Concussion Program, Barrow Neurologic Institute at Phoenix Children’s Hospital; Assistant Clinical Professor, Department of Child Health, University of Arizona, School of Medicine, Phoenix, Arizona

M. Kenji Yamazaki, MD; Chief, Department of Sports Medicine, The Bone and Joint Center, Straub Medical Center, An Affiliate of Hawaii Pacific Health, Honolulu, Hawaii

Nicole T. Yedlinsky, MD; Department of Family Medicine, University of Kansas Medical Center, Kansas City, Kansas

Craig C. Young, MD; Professor, Departments of Orthopaedic Surgery and Family Medicine, Medical College of Wisconsin, Milwaukee, Wisconsin; Team Physician, Milwaukee Brewers; Team Physician, Milwaukee Ballet; Board of Director, AMSSM Foundation; Past President, American Medical Society for Sports Medicine

Timothy J. Yu, MD; Virginia Commonwealth University Health System – Fairfax Family Practice Sports Medicine, Fairfax, Virginia

Jason L. Zaremski, MD; Assistant Professor, Divisions of Physical Medicine and Rehabilitation, Sports Medicine and Research, Department of Orthopaedics and Rehabilitation; Co-Medical Director, Adolescent and High School Outreach Program, University of Florida, College of Medicine, Gainesville, Florida

Tracy Zaslav, MD; Children’s Hospital Orthopedics Group, Los Angeles, California

CONFIRMED COURSE FACULTY

FACULTY AMSSM STAFF SPEAKERS

Stephanie Kliethermes, PhD; Research Director, American Medical Society for Sports Medicine; Assistant Professor, Department of Orthopedics and Rehabilitation, University of Wisconsin – Madison, Madison, Wisconsin
Hymovis® is an innovative hyaluronan (HA) based intra-articular (IA) therapy for the treatment of osteoarthritis (OA) knee pain. Specifically engineered to fulfill an unmet need of having a true viscoelastic hydrogel that is non-crosslinked and naturally derived from non-avian sources, Hymovis® maintains enhanced properties of improved lubrication to decrease friction, exhibits greater elasticity in recovering its original structure even after repeated mechanical stresses, and demonstrates increased residence time in the knee joint. Hymovis® is delivered as an IA injection in a convenient 2-dose regimen, each injection given one week apart.

Information on the development, novel characteristics of its unique molecular structure, new comparative data on the improved lubricating and articular friction reduction properties of Hymovis® as well as updated clinical data supporting the long-lasting efficacy of this innovative and unique HA-based viscoelastic hydrogel will be presented.

FEATURED SPEAKERS:

Lawrence J. Bonassar, PhD  
Professor  
Meinig School of Biomedical Engineering  
Sibley School of Mechanical and Aerospace Engineering  
Cornell University  
Ithaca, NY

Osric King, MD  
Assistant Attending Physician, Hospital for Special Surgery  
Clinical Instructor, Weill Cornell Medical College  
New York, NY

Saad Nasir, MD  
Medical Director  
Fidia Pharma USA Inc.
INNOVATIVE MANAGEMENT OF KNEE CARTILAGE DISORDERS

Effectively managing knee cartilage disorders is essential in preventing knee osteoarthritis and assisting patients in maintaining active lifestyles. Innovative treatment protocols will be introduced for articular and meniscal cartilage injuries, including treatment for degenerative meniscal tears, incorporating biomechanical interventions.

FEATURED SPEAKERS:
Charles Nofsinger, MD
Orthopaedic Surgeon
Assistant Professor, Orthopaedics and Sports Medicine
University of South Florida

Aneesh Garg, DO
Sports Medicine and Non-Surgical Orthopaedics
Chicago Orthopaedics and Sports Medicine
US National Team Physician for USA Hockey and USA Soccer
LIMIT: 100 PARTICIPANTS
Register online to secure an available spot.

OPTIONAL INDUSTRY-SPONSORED EVENING SYMPOSIUM & CADAVER LAB

Thursday, April 26
7:30 p.m. – 10:00 p.m.

TENEX HEALTH TX SYSTEM: ULTRASOUND-GUIDED PERCUTANEOUS TENOTOMY AND FASCIOTOMY

During this session, participants will hear from industry thought leaders on their respective experiences with the Tenex Health TX System, a novel ultrasound-guided procedure to treat chronic tendonosis and plantar fasciosis. Panelists will discuss the TX technology, clinical outcomes, patient selection and post-procedure management. The symposium will also provide a hands-on cadaveric workshop with the Tenex Health TX System to enable participants with initial exposure and training with the device. Participants will gain valuable lessons in identifying and treating diseased tendon tissue through a minimally invasive procedure.

Clinical Experience with Tenex Health TX System

Presentation Objectives:
• Examine the Role of Tenex Health TX System in Practice
• Provide Experience on Clinical Outcomes
• Discuss Patient Selection and Management Parameters
• Update regarding reimbursement issues
• Questions & Answers with Faculty

Cadaver Lab Objectives:
• Introduction to Ultrasound Based Evaluation of Tendonosis and Plantar Fasciosis
• Hands-on Experience with the TX System
• Interactive Session with Faculty to Optimize Procedure and Patient Management

FEATURED SPEAKERS:
Stacy L. Lynch, MD
Bernard F. Morrey, MD

LAB PROCTOR:
Mederic M. Hall, MD

AMSSM is not responsible for the planning, content or speakers of this program.
This program is not an AMSSM educational activity. CME Credit is not available.
LIMIT: 50 PARTICIPANTS  
Register online to secure an available spot.

OPTIONAL INDUSTRY-SPONSORED EVENING SYMPOSIUM

Thursday, April 26, 2018  
7:30 p.m. – 9:00 p.m.  
Location: Shula’s Restaurant inside the Swan & Dolphin Resort (Dolphin side)

LOCALIZED TREATMENT FOR OSTEOARTHRITIS KNEE PAIN WITH A NOVEL INTRA-ARTICULAR FORMULATION

Join us as presenter Raj Pandya, MD describes the clinical data supporting approval for ZILRETTA® (triamcinolone acetonide extended-release injectable suspension) as an intra-articular treatment for Osteoarthritis of the Knee (OAK) pain.

FEATURED SPEAKER:
Dr. Raj Pandya, MD  
Atlanta Orthopaedic Institute

NOTE FROM AMSSM: Please note time/date/location before signing up. AMSSM expects a waiting list for this Industry-Sponsored Dinner Symposium. If you are able to reserve a seat and decide to cancel/have other plans come up, please contact the AMSSM at 913-327-1415 by April 20 or the AMSSM registration desk on site to return your ticket if you cannot make it.
LIMIT: 80 PARTICIPANTS
Register online to secure an available spot.

OPTIONAL INDUSTRY-SPONSORED LUNCH SYMPOSIUM

Friday, April 27
12:00 p.m. - 1:00 p.m.

THE FUTURE OF MSK ULTRASOUND

Arthrex, the global leader in sports medicine surgery, invites you to The Future of MSK Ultrasound. Our interactive workshop will introduce you to the functionality and portability of Synergy MSK Ultrasound. Together with skilled sports medicine physicians and our Medical Education team, you can explore the limitless capabilities of unrestrained MSK Ultrasound to help you treat your patients better.

AGENDA:
The Future of MSK Ultrasound
• Wireless, Portable MSK Ultrasound - (15 min)
• Ultrasound-guided Bone Marrow Aspiration Techniques – (15 min)
• Hands-on Scanning – (30 min)
• Adjourn

FEATURED SPEAKERS: TBD

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SATELLITE EDUCATION PROGRAM
Presented by Halyard Health

LIMIT: 80 PARTICIPANTS
Register online to secure an available spot.

OPTIONAL INDUSTRY-SPONSORED LUNCH SYMPOSIUM

Friday, April 27, 2018
12:00 p.m. – 1:00 p.m.

COOLIEF* COOLED RF:
NOVEL TECHNIQUE TO TREAT KNEE OA PAIN

Introduction into a non-opioid, minimally invasive technique to help address non-operative patients suffering from chronic knee pain. COOLIEF* Cooled Radiofrequency is FDA indicated to treat OA knee pain and provides durable pain relief to those patients who are not surgical candidates. Study finds COOLIEF* when compared to intra-articular steroid injections, COOLIEF* Cooled RF provides significantly greater and longer-lasting pain relief, higher patient satisfaction and improved physical functionality.

FEATURED SPEAKER:
Dustin Lash, DO

AMSSM is not responsible for the planning, content or speakers of this program.
This program is not an AMSSM educational activity. CME Credit is not available.
OTHER ACTIVITIES in the Orlando, Florida Area

The Orlando area is home to a number of beautiful parks, miles of paved bike trails, premiere golf courses, museums, the NBA Orlando Magic, waterfront attractions, great local restaurants/nightlife and home to some of the most popular theme parks in the world.

### OUTDOOR ADVENTURES

**Bike Trails**
- 27 trails
- Over 210 miles paved “off-street” biking

**Kayak Eco-Tour**
- Mossy, cypress-lined Shingle Creek (headwaters of the Everglades)

**Tibet-Butler Nature Preserves**
- Pine Forest Swamp
- Cypress-lined lakeshore
- Butterfly garden

**Stand Up Paddle Boarding (SUP)**
- Paddle board rentals
- Unique adventure tours

### ATTRACTIONS/ MUSEUMS/ NBA SPORT TEAM

**Orlando Science Center**
- Domed planetarium
- Largest public refracting telescope

**Kennedy Space Center** *(An hour from Orlando)*
- IMAX movies
- Interactive space-flight simulators
- Shuttle Launch Experience
- Astronaut Hall of Fame

**Charles Hosmer Morse Museum of American Art**
- Largest collection of Tiffany Glass in the world

**NBA Orlando Magic** *(Downtown Orlando)*
- Now in their 29th season

### GARDEN/ WATERFRONT ATTRACTIONS/ GOLF COURSES

**Lake Eola** *(Downtown Orlando)*
- Ride a swan paddle boat
- Feed the swans
- Watch a show at the Walt Disney Amphitheatre

**Harry P. Leu Gardens**
- Botanical Gardens
- Located on Lake Ivanhoe *(near downtown Orlando)*
- Rose garden
- Citrus grove
- Butterfly garden

**Walt Disney World Golf®**
- Disney’s Palm Golf Course
- Disney’s Magnolia Golf Course
- Disney’s Lake Buena Vista Golf Course
- Disney’s Oak Trail Golf Course

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**Walt Disney World**
- Magic Kingdom Park®
- Epcot®
- Disney’s Hollywood Studios®
- Disney’s Animal Kingdom® Theme Park

**Universal Studios Islands of Adventure**
- Marvel Super Hero Island
- Toon Lagoon
- Skull Island
- Jurassic Park
- Hogsmeade Village
- Lost Continent
- Seuss Landing

**SeaWorld Parks**
- Sea World
- Discovery Cove
- Aquatica

**LEGOLAND Florida**
- Largest Legoland Park In the World.
REGISTRATION FORM

REGISTRATION OPTIONS: PLEASE READ BEFORE COMPLETING REGISTRATION

Please complete the registration form — type or print legibly. One form must be completed for each registrant and payment must accompany the registration form. Registration at the advance registration rate will be accepted until March 29, 2018. After that date, registration will still be available but the registration rates increase by $50.00 and the fee is increased to $100 for on-site registration.

Please register online to reserve a place at the meeting. Attendees of the optional educational activities, ICLs and/or pre-conferences must also register for the Annual Meeting. You have the option to pay by check or credit card when you register online. If you pay by credit card, a receipt will be generated upon completion of your online registration. PLEASE NOTE: If you are registering for any optional educational activities or pre-conferences, your online registration not only ensures availability but also reserves your place in the requested activity. If you register online and indicate you are paying by check, please include a printed copy of the online registration received through email when mailing your payment to the AMSSM office.

OR, you can print and return this registration form along with your payment to the AMSSM office by fax or U.S. Mail. This method is not recommended if you want to register for the optional educational activities or pre-conferences. PLEASE NOTE: You will only be charged for the optional educational activities that are available at the time your registration form is received.

Please register online to reserve a place at the meeting. Attendees of the optional educational activities, ICLs and/or pre-conferences must also register for the Annual Meeting. You have the option to pay by check or credit card when you register online. If you pay by credit card, a receipt will be generated upon completion of your online registration. PLEASE NOTE: If you are registering for any optional educational activities or pre-conferences, your online registration not only ensures availability but also reserves your place in the requested activity. If you register online and indicate you are paying by check, please include a printed copy of the online registration received through email when mailing your payment to the AMSSM office.

REGISTRATION INFORMATION (Mailing address listed below will be used on the participants’ list)

Full Name: ______________________________________________________________

Address Line 1: ____________________________________________________________

Address Line 2 (if needed): __________________________________________________

City: ________________________ State/Province: ______ Postal Code: ___________ Country (If other than U.S.A.): ________________

Office Phone: ________________________ Office Fax: ________________________

Home Phone: ________________________ Cell Phone: ________________________

REGISTRANT WILL BE SENT A RECEIPT AND REGISTRATION CONFIRMATION TO THE EMAIL ADDRESS(ES) LISTED BELOW:

Registrant’s Email Address: ________________________________________________

For reimbursement purposes, please email an additional receipt to: ________________________

BADGE INFORMATION

Nickname or First Name: ____________________________________________________

First Name: ________________________ Last Name: ________________________ Degree: ________________________

Company/Affiliation: ______________________________________________________

City: ________________________ State/Province: ______ Postal Code: ___________ Country (If other than U.S.A.): ________________

PHYSICAL OR DIETARY REQUIREMENTS

☐ Physical or dietary restrictions (not food preferences) requiring accommodation in order to fully participate in the conference.
(There may be additional cost for dietary needs, dependent upon hotel/venue charges)

List requirements: ________________________________________________________

REGISTRATION FEES • ADVANCE REGISTRATION DEADLINE: March 29, 2018

<table>
<thead>
<tr>
<th>Category</th>
<th>By March 29, 2018</th>
<th>After March 29, 2018</th>
<th>On-Site</th>
<th>Amount Enclosed</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMSSM Member (Active, Associate, Affiliate, Emeritus)</td>
<td>$500.00</td>
<td>$550.00</td>
<td>$600.00</td>
<td></td>
</tr>
<tr>
<td>AMSSM Fellowship Member (AMSSM member currently in a sports medicine fellowship)</td>
<td>$450.00</td>
<td>$500.00</td>
<td>$550.00</td>
<td></td>
</tr>
<tr>
<td>AMSSM Resident Member</td>
<td>$450.00</td>
<td>$500.00</td>
<td>$550.00</td>
<td></td>
</tr>
<tr>
<td>AMSSM Student Member</td>
<td>$350.00</td>
<td>$400.00</td>
<td>$450.00</td>
<td></td>
</tr>
<tr>
<td>AMSSM International Member (Residing outside USA)</td>
<td>$375.00</td>
<td>$425.00</td>
<td>$475.00</td>
<td></td>
</tr>
<tr>
<td>Non-Member International Attendee (Outside USA)</td>
<td>$600.00</td>
<td>$650.00</td>
<td>$700.00</td>
<td></td>
</tr>
<tr>
<td>Non-Member Physician (Residing in the USA)</td>
<td>$850.00</td>
<td>$900.00</td>
<td>$950.00</td>
<td></td>
</tr>
<tr>
<td>Non-Member Non-Physician</td>
<td>$500.00</td>
<td>$550.00</td>
<td>$600.00</td>
<td></td>
</tr>
</tbody>
</table>
### AAFP PRESCRIBED CREDIT

AAFP Prescribed Credit

<table>
<thead>
<tr>
<th>Credit Type</th>
<th>Fee</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMA PRA Category 1 Credit™</td>
<td>($25.00 fee)</td>
<td>Please note: If you report your CME to the AAFP, ABFM or AOA, you do not need to add this $25.00 fee to your registration. In order to receive AMA PRA Category 1 Credit™, please check here and include the $25.00 fee with your meeting registration payment. Physicians requesting the AMA PRA Category 1 Credit™ will need to complete the AMSSM Attestations form to report your attendance and return this form to the AMSSM Registration Counter before the conclusion of the Annual Meeting. From the credits claimed on the Attestations form, AMSSM will submit your AMA PRA Category 1 Credits™ to the Medical College of Wisconsin (our A.M.A. Accredited Provider). Then 4-6 weeks later, you will receive a link to print off your certificate. Only include the $25 fee if you need AMA PRA Category 1 CREDITS™ – this fee cannot be refunded.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MOC PART 2 CREDIT FOR ABIM AND/OR ABP</th>
<th>($15.00 fee)</th>
<th>Please note: If you report your MOC Part 2 Credit for ABIM and/or ABP, please enter your Date of Birth (mm/dd/yyyy):</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>MOC Part 2 Credit for ABIM and/or ABP</td>
<td>($15.00 fee)</td>
<td>To report your MOC Part 2 Credit for ABIM and/or ABP, please enter your Date of Birth (mm/dd/yyyy):</td>
<td>$_______</td>
</tr>
<tr>
<td>- To report your MOC Part 2 Credit for ABIM and/or ABP, please check here and include the $15.00 fee with your meeting registration payment. Physicians requesting the MOC Part 2 Credit for ABIM and/or ABP must: 1) complete the AMSSM Attestations form to report your attendance and return the form to the AMSSM Registration/Information Desk before the conclusion of the Annual Meeting; 2) complete the online pre- and post-test (post-test score must need or exceed the desired 75% threshold to receive the MOC Part 2 Credit for ABIM and/or ABP). From the credits claimed on the Attestations form, AMSSM will submit your MOC Part 2 Credit for ABIM and/or ABP to the Medical College of Wisconsin (our Accredited Provider). Then 4-6 weeks later, you will receive a link to print off your certificate. Only include the $15 fee if you need the MOC PART 2 CREDIT FOR ABIM AND/OR ABP – this fee cannot be refunded.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 5th Annual AMSSM Foundation Humanitarian Service Project

**TUESDAY, APRIL 24, 2018**

<table>
<thead>
<tr>
<th>Name of Volunteer</th>
<th>Is the Volunteer an AMSSM Member or Other Relation or Non-Member</th>
<th>T-shirt Size of Volunteer</th>
<th>Please select the volunteer work shift you want to work</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>Family/Friend of AMSSM Member</td>
<td>Non-Member</td>
</tr>
<tr>
<td>Yes</td>
<td>No</td>
<td>Family/Friend of AMSSM Member</td>
<td>Non-Member</td>
</tr>
<tr>
<td>Yes</td>
<td>No</td>
<td>Family/Friend of AMSSM Member</td>
<td>Non-Member</td>
</tr>
<tr>
<td>Yes</td>
<td>No</td>
<td>Family/Friend of AMSSM Member</td>
<td>Non-Member</td>
</tr>
</tbody>
</table>

### OPTIONAL EVENTS: Please check applicable box(es) to register for events

**TUESDAY, APRIL 24, 2018**

<table>
<thead>
<tr>
<th>Optional Activity</th>
<th>Time</th>
<th>Member Fee</th>
<th>Non-Member Fee</th>
<th>Amount Enclosed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sports Ultrasound Pre-Conferences</td>
<td>7:00 a.m. - 3:45 p.m.</td>
<td>$600.00</td>
<td>$700.00</td>
<td>$_______</td>
</tr>
<tr>
<td>- IF REGISTERING FOR THE ADVANCED SPORTS ULTRASOUND PRE-CONFERENCE, PLEASE ANSWER THIS QUESTION BELOW: How would you describe your skills scanning the brachial plexus and nerves of the upper extremity (followed from the axilla to the hand):</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- A. Never have scanned the brachial plexus and limited experience with the nerves of the upper extremity.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- B. Limited experience with brachial plexus and some experience with the nerves of the upper extremity.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- C. Have some experience with the brachial plexus and feel comfortable scanning the nerves of the upper extremity.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- D. Have experience and a good comfort level with both the brachial plexus and nerves of the upper extremity.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sports US: Fundamentals of the Lower Extremity Pre-Conference</td>
<td>9:00 a.m. - 6:00 p.m.</td>
<td>$600.00</td>
<td>$700.00</td>
<td>$_______</td>
</tr>
</tbody>
</table>

**WEDNESDAY, APRIL 25, 2018**

<table>
<thead>
<tr>
<th>Optional Activity</th>
<th>Time</th>
<th>Member Fee</th>
<th>Non-Member Fee</th>
<th>Amount Enclosed</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPORTS MEDICINE ECONOMICS PRE-CONFERENCE</td>
<td>9:45 a.m. - 11:45 a.m.</td>
<td>$100.00</td>
<td>$150.00</td>
<td>$_______</td>
</tr>
<tr>
<td>AMSSM/NCAA: KEY ISSUES FOR THE COLLEGE TEAM PHYSICIAN PRE-CONFERENCE</td>
<td>9:45 a.m. - 11:45 a.m.</td>
<td>NO FEE</td>
<td>NO FEE</td>
<td>NO FEE</td>
</tr>
<tr>
<td>AMSSM/NCAA ECG WORKSHOP: THE INTERNATIONAL CRITERIA FOR ECG INTERPRETATION IN ATHLETES</td>
<td>12:00 p.m. - 2:00 p.m.</td>
<td>NO FEE</td>
<td>NO FEE</td>
<td>NO FEE</td>
</tr>
<tr>
<td>KEY ISSUES FOR THE PROFESSIONAL/ELITE TEAM PHYSICIAN</td>
<td>12:00 p.m. - 2:00 p.m.</td>
<td>NO FEE</td>
<td>NO FEE</td>
<td>NO FEE</td>
</tr>
<tr>
<td>AMSSM WELCOME RECEPTION</td>
<td>7:00 p.m. - 8:30 p.m.</td>
<td>NO FEE</td>
<td>NO FEE</td>
<td>NO FEE</td>
</tr>
</tbody>
</table>
### ONE-ON-ONE CUSTOMIZED SPORTS US LEARNING WORKSHOP

**WEDNESDAY, APRIL 25, 2018 • 10:30 a.m. - 12:00 p.m.**

**THURSDAY, APRIL 26, 2018 • 1:30 p.m. - 3:30 p.m.**

Registration is very limited, with 7 MSK slots and 1 Non-MSK* slot per ½-hour. You will be paired up with a faculty member and notified by email confirming the topic(s) and time of your customized learning session.

<table>
<thead>
<tr>
<th>Select “1” 30-minute Time Slot Use additional lines for each 30-mins. slot requested (max. 4 slots/member)</th>
<th>Box for Non-MSK* Topic</th>
<th>Describe Specific Sports US Skill(s) You Want to Learn</th>
<th>Identify Your Skill Level</th>
<th>Fee (AMSSM Members Only)</th>
<th>Amount</th>
</tr>
</thead>
</table>
| Wednesday, April 25  
- 10:30am-11:00am  
- 11:00am-11:30am  
- 11:30am-12:00pm  
Thursday, April 26  
- 1:30pm-2:00pm  
- 2:00pm-2:30pm  
- 2:30pm-3:00pm  
- 3:00pm-3:30pm |  |  |  |  |  |
| Wednesday, April 25  
- 10:30am-11:00am  
- 11:00am-11:30am  
- 11:30am-12:00pm  
Thursday, April 26  
- 1:30pm-2:00pm  
- 2:00pm-2:30pm  
- 2:30pm-3:00pm  
- 3:00pm-3:30pm |  |  |  |  |  |
| Wednesday, April 25  
- 10:30am-11:00am  
- 11:00am-11:30am  
- 11:30am-12:00pm  
Thursday, April 26  
- 1:30pm-2:00pm  
- 2:00pm-2:30pm  
- 2:30pm-3:00pm  
- 3:00pm-3:30pm |  |  |  |  |  |
| Wednesday, April 25  
- 10:30am-11:00am  
- 11:00am-11:30am  
- 11:30am-12:00pm  
Thursday, April 26  
- 1:30pm-2:00pm  
- 2:00pm-2:30pm  
- 2:30pm-3:00pm  
- 3:00pm-3:30pm |  |  |  |  |  |

Available to AMSSM Members Only

Can purchase up to 4 slots (2 hours maximum).

Member Fee  
$75 each 30-min. slot  
Max. 4 slots (2 hours)

Non-Member Fee  
N/A

---

*MSK: MSK* is an acronym for something specific to this context, but it is not specified in the image.
**INDUSTRY-SPONSORED LUNCH SYMPOSIUM (OPTIONAL)**

<table>
<thead>
<tr>
<th>Optional Activity</th>
<th>Time</th>
<th>Member Fee</th>
<th>Non-Member Fee</th>
<th>Amount Enclosed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fidia Pharma USA Inc.</td>
<td>12:15 p.m. - 1:15 p.m.</td>
<td>NO FEE</td>
<td>NO FEE</td>
<td>NO FEE</td>
</tr>
<tr>
<td>HYMOVIS®: An Innovation in HA-Based Viscoelastic Hydrogel Technology in the Treatment of Osteoarthritis Knee Pain</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Össur Americas</td>
<td>12:15 p.m. - 1:15 p.m.</td>
<td>NO FEE</td>
<td>NO FEE</td>
<td>NO FEE</td>
</tr>
<tr>
<td>Innovative Management of Knee Cartilage Disorders</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**THURSDAY, APRIL 26, 2018**

<table>
<thead>
<tr>
<th>Optional Activity</th>
<th>Time</th>
<th>Member Fee</th>
<th>Non-Member Fee</th>
<th>Amount Enclosed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arthrex, Inc.</td>
<td>12:00 p.m. - 1:00 p.m.</td>
<td>NO FEE</td>
<td>NO FEE</td>
<td>NO FEE</td>
</tr>
<tr>
<td>The Future of MSK Ultrasound</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Halyard Health</td>
<td>12:00 p.m. - 1:00 p.m.</td>
<td>NO FEE</td>
<td>NO FEE</td>
<td>NO FEE</td>
</tr>
<tr>
<td>COOLIEF® Cooled RF: Novel Technique to Treat Knee OA Pain</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**INDUSTRY-SPONSORED EVENING SYMPOSIUM (OPTIONAL)**

<table>
<thead>
<tr>
<th>Optional Activity</th>
<th>Time</th>
<th>Member Fee</th>
<th>Non-Member Fee</th>
<th>Amount Enclosed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexion Therapeutics, Inc.</td>
<td>7:30 p.m. - 9:00 p.m.</td>
<td>NO FEE</td>
<td>NO FEE</td>
<td>NO FEE</td>
</tr>
<tr>
<td>Localized Treatment for Osteoarthritis Knee Pain With a Novel Intra-Articular Formulation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**INDUSTRY-SPONSORED EVENING SYMPOSIUM & CADAVER LAB (OPTIONAL)**

<table>
<thead>
<tr>
<th>Optional Activity</th>
<th>Time</th>
<th>Member Fee</th>
<th>Non-Member Fee</th>
<th>Amount Enclosed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tenex Health</td>
<td>7:30 p.m. - 10:00 p.m.</td>
<td>NO FEE</td>
<td>NO FEE</td>
<td>NO FEE</td>
</tr>
<tr>
<td>Tenex Health TX System: Ultrasound-Guided Percutaneous Tenotomy and Fasciotomy</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Optional Activity</th>
<th>Time</th>
<th>Member Fee</th>
<th>Non-Member Fee</th>
<th>Amount Enclosed</th>
</tr>
</thead>
<tbody>
<tr>
<td>S.M.A.R.T. – E.S.T. WORKSHOP</td>
<td>5:00 p.m. - 8:15 p.m.</td>
<td>$125.00*</td>
<td>$175.00</td>
<td>$_________</td>
</tr>
<tr>
<td>(*$75.00 Fellow/Resident/Student Members)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**OPTIONAL EVENTS:** Please check applicable box(es) to register for events

**IF REGISTERING FOR THE S.M.A.R.T. – E.S.T. WORKSHOP, PLEASE ANSWER THE QUESTION BELOW:**

You will be placed in three of the five sessions listed below. Please rank the sessions in order of your preference with 1 = your #1 (Most Preferred) choice, 2 = #2 choice, 3 = #3 choice, 4 = #4 choice and 5 = #5 (Least Preferred) choice. Your placement in three sessions will be based on your rank order and availability of the session(s) when your registration is processed.

<table>
<thead>
<tr>
<th>Ranking</th>
<th>Session</th>
<th>Topics Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td># ______</td>
<td>A</td>
<td>Ocular/Orbital Injuries</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dental Fractures/Avulsions</td>
</tr>
<tr>
<td># ______</td>
<td>B</td>
<td>Facial Lacerations/Regional Anesthesia</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ear Lacerations/Auricular Hematomas</td>
</tr>
<tr>
<td># ______</td>
<td>C</td>
<td>Nasal Emergencies</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Advanced Airway Management</td>
</tr>
<tr>
<td># ______</td>
<td>D</td>
<td>On-Field Management of the Spine-Injured Athlete</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sideline Concussion Assessment</td>
</tr>
<tr>
<td># ______</td>
<td>E</td>
<td>Sideline Management of Upper Extremity Fractures and Dislocations</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sideline Management of Lower Extremity Fractures and Dislocations</td>
</tr>
</tbody>
</table>
ICLs: 7:00 a.m. - 7:45 a.m.

FACULTY DEVELOPMENT ICL: 7:00 a.m. - 7:45 a.m.

SPORTS US ICL: 6:15 a.m. - 7:45 a.m.

FRIDAY, APRIL 27

YOGA CLASS: 6:00 a.m. - 7:00 a.m.

SPORTS US ICL: 6:15 a.m. - 7:45 a.m.

FACULTY DEVELOPMENT ICL: 7:00 a.m. - 7:45 a.m.

THURSDAY, APRIL 26

YOGA CLASS: 6:00 a.m. - 7:00 a.m.

SPORTS US ICL: 6:15 a.m. - 7:45 a.m.

WEDNESDAY, APRIL 25

YOGA CLASS: 6:00 a.m. - 7:00 a.m.

SPORTS US ICL: 6:15 a.m. - 7:45 a.m.

SATURDAY, APRIL 28

YOGA CLASS: 6:00 a.m. - 7:00 a.m.

SPORTS US ICL: 6:15 a.m. - 7:45 a.m.

FRIDAY, APRIL 28

YOGA CLASS: 6:00 a.m. - 7:00 a.m.

SPORTS US ICL: 6:15 a.m. - 7:45 a.m.

SATURDAY, APRIL 27

YOGA CLASS: 6:00 a.m. - 7:00 a.m.

SPORTS US ICL: 6:15 a.m. - 7:45 a.m.

SUNDAY, APRIL 29

ICL 6:30 a.m. - 7:45 a.m.

FACULTY DEVELOPMENT ICL: 7:00 a.m. - 7:45 a.m.

STUDENT/RESIDENT SPECIFIC ICL: 7:00 a.m. - 7:45 a.m.

TOTAL for ICL Registration: $_________
SUNDAY, APRIL 29
ICL 6:30 a.m. - 7:45 a.m.
$50 $60 - - #33 More Than Skin Deep: How to Conquer Complex Laceration Repairs in the Training Room
FACULTY DEVELOPMENT ICL: 7:00 a.m. - 7:45 a.m.
No Fee $25 - - #34 Battling Burnout and Building Personal Resilience
ICLs: 7:00 a.m. - 7:45 a.m.
$50 $60 - - #35 Point – Counterpoint: Treatment for Common Extensor Tendinopathy
$50 $60 - - #36 Exertional Heat Illness
$50 $60 - - #37 Fragility Fracture Service
$50 $60 - - #38 Point – Counterpoint: Should Kids Participate in Tackle American Football?
$50 $60 - - #39 Orthobiologics and the Throwers Elbow: UCL Protocol
$50 $60 - - #40 Harnessing Neurocognition for Sports Performance and Rehabilitation
STUDENT/RESIDENT SPECIFIC ICL: 7:00 a.m. - 7:45 a.m.
- - - No Fee $25 #41 AIM for Fellowship – How to Apply, Interview and Match Well
TOTAL for ICL Registration
............................................................................................................................................................... $ __________

FOR MORE INFORMATION AND TO RETURN COMPLETED REGISTRATION/Payment:
American Medical Society for Sports Medicine
4000 West 114th Street, Suite 100 Leawood, KS 66211
(913) 327-1415 (Phone) • (913) 327-1491 (Fax)
Kristin Ragsdale
www.amssm.org

Secured online registration is available
(Members: Please login first, then click link above.)