5th ANNUAL MEETING

January 25-27, 2018

Marriott Renaissance Fort Lauderdale - Plantation Hotel
1230 S. Pine Island Rd. | Plantation, Florida 33324

SPONSORED BY: Joe DiMaggio Children's Hospital and [U-18] Sports Medicine
Joe DiMaggio Children’s Hospital
Join a Leading Children's Hospital in South Florida

PHYSICIAN CAREER OPPORTUNITIES

Joe DiMaggio Children’s Hospital, part of Memorial Healthcare System, is expanding and looking for physicians to fill the following positions:

- Developmental & Behavioral Pediatrics
- Pediatric Orthopaedic Surgery
- Pediatric Orthopaedic Sports Medicine - Palm Beach

These are full-time employed positions with the multispecialty Memorial Physician Group. The positions offer competitive benefits and compensation packages that are commensurate with training and experience. Professional malpractice and medical liability are covered under sovereign immunity.

About Joe DiMaggio Children’s Hospital

Joe DiMaggio Children’s Hospital opened in 1992 and has grown to be the leading children's hospital in Broward and Palm Beach counties. With 226 beds, an 84-bed Level II and III NICU, 30-bed PICU and 12-bed intermediate care unit, Joe DiMaggio Children’s Hospital combines leading-edge clinical excellence with a child- and family-friendly environment that emphasizes the Power of Play. Joe DiMaggio Children’s Hospital offers a comprehensive range of healthcare services – delivered with kindness, dedication and compassion.

About South Florida

South Florida offers a dynamic urban/suburban lifestyle with an abundance of cultural and recreational amenities, miles of beautiful beaches, top-rated golf courses, zoos and wildlife refuges, a vibrant arts community, museums and world-class dining. South Florida's high quality of life – including year-round summer weather, exciting multiculturalism and no state income tax – attracts new residents from all over the country and around the world.

To submit your CV for consideration, please visit memorialphysician.com. Additional information about Joe DiMaggio Children's Hospital can be found at jdch.com.

visit memorialphysician.com

LIVE. WORK. PLAY.
WELCOME
The PRiSM 5th Annual Meeting is designed to provide high-quality dissemination of information in the basic sciences, prevention, diagnosis, treatment, and technological advances in the multi-disciplinary areas of sports medicine for children and adolescents. The Scientific Program Committee has worked diligently to provide a diverse, innovative and well-rounded program that incorporates feedback from previous Annual Meetings. As a result, we are pleased to offer you 2 1/2 days of multidisciplinary education, engaging experts in the field of pediatric sports medicine, and collaboration opportunities.

PRISM MISSION
To foster and stimulate interdisciplinary professional education, research and interest in pediatric and adolescent sports medicine and, in this regard, to promote and participate in high-quality research and the advancement of understanding in the field of pediatric and adolescent sports medicine.

TARGET AUDIENCE
The target audience for the PRiSM 5th Annual Meeting includes athletic trainers, physical therapists, mid-level providers, radiologists, sports medicine providers, orthopedic surgeons, orthotists, rehab engineers, kinesiologists, nutritionists, educators, administrators, researchers, and all others concerned with pediatric and adolescent sports medicine.

ANNUAL MEETING OBJECTIVES
Upon completion of this activity, participants should be able to:
• Discuss the diagnosis & multidisciplinary management of common pediatric and adolescent sports related injuries.
• Establish treatment guidelines and algorithms for working with childhood athletes and their families.
• Examine multiple evidence based approaches to treating pediatric sports concerns.
• Explore clinical approaches to the injured athlete throughout their continuum of care.
• Evaluate effective ways to improve patient care and reduce lifelong sequelae of sports injuries.

ACCREDITATION
Satisfactory completion
Participants must complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. NOTE: If you are seeking continuing education credit for a specialty not listed below, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

Physicians
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 (ACCME) through the joint providership of Amedco and Pediatric Research in Sports Medicine Society. Amedco is accredited by the ACCME to provide continuing medical education for physicians.
Credit Designation Statement - Amedco designates this live activity for a maximum of 22.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Pennsylvania Physical Therapist
PRISM 5th Annual Meeting has been approved for 22.50 credits by the PA State Board of Physical Therapy. Approval Number: PTCE013114.

Texas Physical Therapist
The PRISM 5th Annual Meeting has been approved for 22.50 continuing competence unit(s) (CCUs). Course Approval Number: 63890TX.

EVALUATIONS AND CME/CEU CERTIFICATES
Upon completion of the 5th Annual Meeting, attendees may claim CME/CEU credits and print their certificate by visiting http://prism.cmecertificateonline.com and completing a brief evaluation.
ACKNOWLEDGEMENTS
The Pediatric Research in Sports Medicine Society would like to thank the following organizations for their generous support of the Society and 5th Annual Meeting...

Joe DiMaggio Children's Hospital
[U-18] Sports Medicine
OrthoPediatics

EXHIBITORS
We would like to thank the following companies for exhibiting at PRiSM's 5th Annual Meeting. Exhibits are located in the Pre-Function Area, outside of the Grand Ballroom. These companies and organizations help to make our Annual Meeting possible, and encourage you to visit the exhibits.

Arthrex
Canon Medical Systems
CEP-Topical Gear
Ceterix Orthopaedics
Healthy Roster
Joe DiMaggio Children’s Hospital
[U-18] Sports Medicine
OrthoPediatics
Smith & Nephew
Whale Imaging Inc.

ANNOUNCEMENTS
Mobile Devices
As a courtesy to others, please silence your mobile devices during all presentations.

Internet Access
Complimentary internet is available throughout the conference center and hotel.

Meals
Breakfast and lunch will be provided on Friday, January 26th and Saturday, January 27th. Continental breakfast will be available in Salons A/B and the Terrace. Lunch buffets will be available on the Terrace.

Networking Reception- Friday, January 26th
A one-hour networking reception will be held in the Pre-Function Area and Terrace at 5:15 pm. Participants will have a chance to speak with colleagues, exhibitors and poster presenters.
Wednesday, January 24, 2018

3:00 – 7:00 pm  REGISTRATION

Thursday, January 25, 2018

6:30 am – 9:30 pm  REGISTRATION
7:00 – 8:00 am  BREAKFAST
8:00 am – 1:00 pm  PRE-COURSE: Management of ACL Injury in the Young Athlete

Program chairs: Mark Paterno PT, PhD, SCS and Kenneth Rogers PhD, ATC
Presenters: Whitney Chambers PT, DPT, SCS, OCS; Andy Zbojewicz, MD; Joseph T. Molony PT, SCS, OCS; Jeremy Frank, MD; Ted Ganley, MD; Elliot Greenberg PT, PhD, DPT, OCS; Alex Avila PT, DPT, SCS; Marcos Davy PT, DPT, SCS, CSCS; Jay Albright, MD; Greg Myer, PhD

AGENDA
8:00-8:10  Welcome/Introduction
8:10-8:40  ACL Injury Prevention in Kids
  • Science Behind ACL Prevention in Kids: What works and when to start (15 min)
  • Implementing ACL Prevention in Kids (15 min)
8:40-9:00  MRI Assessment of the ACL Injured Knee
9:00-9:30  Non-Operative Management of ACL injury
9:30-10:00  Panel Discussion
10:00-10:15  BREAK
10:15-11:00  Operative Management of ACL Injury in the Skeletally Immature Athlete
  • Introduction to Pediatric ACL Reconstruction (5 min)
  • ACL Reconstruction: Over the Top (10 min)
  • All Epiphyseal ACL Reconstruction (10 min)
  • ACL Reconstruction with Quad Tendon Graft (10 min)
  • Panel Discussion (10 Min)
11:00-11:30  Special Considerations for Post-Op Management after ACLR in the Skeletally Immature Athlete
11:30-11:50  Return to Sport Decision Making after ACLR
11:50-12:10  Outcome after ACLR: What do our patients have to look forward to…. And Secondary ACL prevention
12:10-12:30  How to Deal with Unrealistic Expectations
12:30-12:50  Panel Discussion
12:50-1:00  Final Remarks

2:00 – 5:00 pm  PRISM RESEARCH INTEREST GROUP MEETINGS
5:00 – 7:00 pm  PRISM COMMITTEE MEETINGS
7:00 – 7:15 pm  WELCOME & OPENING REMARKS

Kevin Shea, MD and Ted Ganley, MD
7:15 – 7:45 pm  **KEYNOTE PRESENTATION**  
**Cutting Edge Surgical and Basic Science Issues in Singapore and the Far East**  
*James Hui, FAMS, FRCS, MBBS*

Professor James Hui specializes in the management of orthopaedic problems in children, as well as general orthopaedics. His special areas of interest are the care, rehabilitation and surgical treatment of musculoskeletal problems occurring in infants and children, such as hip dysplasia and dislocation, foot deformities, spinal deformities, limb length discrepancies and neuromuscular disorders such as Cerebral Palsy, Spina Bifida and Muscular Dystrophy.

Professor Hui completed his medical degree at the National University of Singapore. He subsequently completed his surgical and orthopaedic training at the National University Hospital, Singapore. He is a fellowship-trained paediatric orthopaedic surgeon, having spent a year in Australia on a paediatric orthopaedic fellowship. Professor Hui is actively involved in undergraduate and postgraduate teaching at NUS. He is a member of numerous professional societies including the Paediatric Orthopaedic Society of North America, the Asia Pacific Orthopaedic Association and the Singapore Medical Association. Professor Hui is actively involved in clinical and basic science research.

7:45 – 9:30 pm  **COCKTAILS & COMPLEX CASE PRESENTATIONS**  
Salons C/D/E

Moderators: Hank Chambers, MD; Andrew Gregory, MD; Michael Jafe, MD; Antonio Milian, ATC, LAT

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**Friday, January 26, 2018**

6:00 am – 7:00 pm  **REGISTRATION**  
Hotel Lobby

6:30 – 7:30 am  **BREAKFAST**  
Salons A/B; Terrace

7:15 – 7:45 am  **PRiSM BUSINESS MEETING**  
Salons C/D/E

**AGENDA**

1) **PRiSM Membership**  
Kevin Shea  
Ask colleagues to join

2) **Financial Report**  
Donna Pacicca

3) **Election**  
Mininder Kocher  
– Vote on slate

4) **Committees**  
Matt Milewski/Donna Merkel  
Education  
Mike Busch/Kristina Parvanta  
Membership  
Ben Heyworth/Jeff Nepple  
Research

5) **Thank you to Departing Board Members**  
Donna Pacicca – Treasurer  
Cordelia Carter – Secretary  
David Howell – Director at Large  
Andrea Stracciolini – Director at Large

7:45 – 11:30 am  **GENERAL SESSION**  
Salons C/D/E

7:45 – 8:00 am  **MEETING INTRODUCTION**  
James Carey, MD

8:00 – 8:45 am  **SCIENTIFIC PAPERS SESSION I – FEMALE ATHLETE**

8:00-8:05  **RESEARCH UPDATE**  
Katherine Rizzone, MD

8:06-8:11  **LOW ENERGY AVAILABILITY CAUSES IMPAIRMENTS BEYOND THE TRIAD IN ADOLESCENT FEMALE ATHLETES**  
Kathryn Ackerman, MD, MPH, FACSM

8:12-8:17  **SEASMOID FRACTURES IN FEMALE PERFORMING ATHLETES PRESENTING TO A PEDIATRIC SPORTS MEDICINE PROGRAM**  
Andrea Stracciolini, MD

8:18-8:23  **GIRLS’ GYMNASTICS INJURIES IN UNITED STATES HIGH SCHOOLS 2008/2009 THROUGH 2011/2012: A NATIONAL SUMMARY**  
Traci Snedden, PhD, RN

8:24-8:29  **CURRENT CONCEPTS & FUTURE RESEARCH**  
Cordelia Carter, MD

8:30-8:44  **DISCUSSION**
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<th>Time</th>
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<tr>
<td>8:45 – 9:30 am</td>
<td><strong>SCIENTIFIC PAPERS SESSION II – REHABILITATION</strong></td>
<td>Salons C/D/E</td>
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<tr>
<td>8:45-8:50</td>
<td>RESEARCH UPDATE</td>
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<td></td>
<td>Elliot Greenberg, PT, PhD</td>
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<tr>
<td>8:51-8:56</td>
<td>BARRIERS TO PHYSICAL ACTIVITY AND RETURN TO SPORT AMONG ADOLESCENTS WITH A RECENT HISTORY OF ACL RECONSTRUCTION</td>
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<td></td>
<td>Christopher Kuenze, PhD, ATC</td>
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<td>8:57-9:02</td>
<td>RETURN TO PLAY CLEARANCE IN ADOLESCENTS FOLLOWING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: CONSIDERATIONS OF THE CONTRALATERAL EXTREMITY</td>
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<td></td>
<td>Henry Ellis, MD</td>
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<td>9:03-9:08</td>
<td>ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION REHABILITATION CLINICAL PRACTICE PATTERNS: A SURVEY OF THE PRISM SOCIETY</td>
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<td></td>
<td>Elliot Greenberg, PT, PhD</td>
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<td>9:09-9:14</td>
<td>CURRENT CONCEPTS &amp; FUTURE RESEARCH</td>
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<td></td>
<td>Mark Paterno, PT, PhD, SCS</td>
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<td>9:15-9:29</td>
<td>DISCUSSION</td>
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<td>9:30 – 10:15 am</td>
<td><strong>INSTRUCTIONAL COURSE: RESEARCH STATISTICS, EVIDENCE BASED MEDICINE</strong></td>
<td>Salons C/D/E</td>
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<td>Reliability- James Carey, MD</td>
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<td>Levels of Evidence with Examples- Mininder Kocher, MD</td>
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<td>Evidence-Based Practice- Kevin Shea, MD</td>
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<tr>
<td>10:15 – 10:30 am</td>
<td><strong>EXHIBIT AND POSTER VIEWING BREAK</strong></td>
<td>Pre-Function Area, outside the Grand Ballroom</td>
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<td>10:30 – 11:30 am</td>
<td><strong>KEYNOTE PRESENTATION</strong></td>
<td>Salons C/D/E</td>
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<td>The NCAA: Current Issues in Collegiate Athletes</td>
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<td>Brian Hainline, MD</td>
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<td>Dr. Hainline is the first chief medical officer of the NCAA and oversees the SSI. For more than 25 years, Brian has been actively involved in sports medicine. He co-authored <em>Drugs and the Athlete</em>, and played a pivotal role in the development of drug testing and education protocols worldwide. He has served on the New York State Athletic Commission, the United States Olympic Committee’s Sports Medicine Committee and was a founding member of the Executive Committee of the American Academy of Neurology Sports Neurology Section, where he serves as vice chair.</td>
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<td>11:30 am – 12:00 pm</td>
<td><strong>HISTORY OF PRISM AND WHERE WE ARE TODAY</strong></td>
<td>Salons C/D/E</td>
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<td>President, Kevin Shea, MD</td>
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<td>12:00 – 1:45 pm</td>
<td><strong>LUNCH</strong></td>
<td>Salons D/E</td>
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<td>12:30 – 1:30 pm</td>
<td><strong>CLINICAL CASE PRESENTATION: Managing Upper Extremity Cases in the Athlete:</strong></td>
<td>Tampa</td>
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<td>Recurrent Shoulder Instability, Elbow Osteochondral Lesions, and UCL Tears</td>
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<td>Nirav Pandya, MD; Joe Molony, PT; Neeraj Patel, MD</td>
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<td>12:30 – 1:30 pm</td>
<td><strong>BRING YOUR OWN CHALLENGING CASE: An Expert Panel</strong></td>
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<td>Jeremy Frank, MD; Mark Paterno, PT, PhD, SCS; Cliff Willimon, MD; Shital Parikh, MD; Tina Master, MD; Andrew Gregory, MD; Phil Wilson, MD; Donna Pacicca, MD; Nate Grimm, MD</td>
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<td>12:30 – 1:30 pm</td>
<td><strong>INDUSTRY SESSION: Limb Realignment Principles and Techniques for Osteochondral,</strong></td>
<td>Miami/Orlando</td>
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<td>Meniscus, and Patellofemoral Conditions, presented by OrthoPediatrics</td>
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<td>John Polousky, MD; Aristides Cruz, MD; Peter Fabricant, MD</td>
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# BREAKOUTS

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>1:45 – 2:30 pm</td>
<td>SCIENTIFIC PAPERS SESSION III – ULTRASOUND</td>
<td>Salon A/B/C</td>
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<tr>
<td>1:45-1:50</td>
<td>RESEARCH UPDATE</td>
<td>Andrea Stracciolini, MD</td>
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<tr>
<td>1:51-1:56</td>
<td>THE USE OF POCKET-SIZED ULTRASOUND IN THE DIAGNOSIS AND ASSESSMENT OF BOTH BONE FOREARM FRACTURE</td>
<td>Nirav Pandya, MD</td>
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<td>1:57-2:02</td>
<td>ULTRASOUND ELASTOGRAPHY OF THE PATELLAR TENDON IN YOUNG ACTIVE AND SEDENTARY PEOPLE</td>
<td>Regina Hanstein, PhD</td>
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<td>2:03-2:08</td>
<td>CURRENT CONCEPTS &amp; FUTURE RESEARCH</td>
<td>Pierre d’Hemecourt, MD</td>
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<td>2:09-2:29</td>
<td>DISCUSSION</td>
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| 1:45 – 2:30 pm| SCIENTIFIC PAPERS SESSION IV – ACL           | Salon D/E         |
| 1:45-1:50     | PLUTO UPDATE                                 | Mininder Kocher, MD |
| 1:51-1:56     | AGE, HEIGHT, WEIGHT AND MRI MEASUREMENTS ARE NOT RELIABLE PREDICTORS OF HAMSTRING GRAFT SIZE IN ADOLESCENT PATIENTS | Melissa Christina, MD |
| 1:57-2:02     | ALLOGRAFT AUGMENTATION OF HAMSTRING ANTERIOR CRUCIATE LIGAMENT GRAFTS IS ASSOCIATED WITH INCREASED GRAFT FAILURE | Crystal Perkins, MD |
| 2:03-2:08     | EFFECT OF ACLR GRAFT TYPE ON MOVEMENT STRATEGIES DURING A VERTICAL DROP JUMP IN ADOLESCENT ATHLETES | Curtis Vandenberg, MD |
| 2:09-2:29     | DISCUSSION                                   |                   |

| 2:30 – 3:15 pm| SCIENTIFIC PAPERS SESSION V – STRESS FRACTURES | Salon A/B/C       |
| 2:30-2:35     | RESEARCH UPDATE                              | Kathryn Ackerman, MD, MPH, FACSM |
| 2:36-2:41     | MALE ATHLETE CUMULATIVE RISK ASSESSMENT IS HIGHLY PREDICTIVE OF BONE STRESS INJURIES IN ELITE MALE DISTANCE RUNNERS: RESULTS OF A THREE-YEAR PROSPECTIVE STUDY | Emily Kraus, MD |
| 2:42-2:47     | INTERRELATIONSHIP OF BONE MINERAL DENSITY, BONE STRESS INJURIES, AND BONE CONTENT IN FEMALE ATHLETES | Kathryn Ackerman, MD, MPH, FACSM |
| 2:48-2:53     | FOCAL PERIPHYSEAL EDEMA (FOPE): A NEWLY REPORTED CAUSE OF KNEE PAIN IN ADOLESCENT ATHLETES | Benton Heyworth, MD |
| 2:54-2:59     | CURRENT CONCEPTS & FUTURE RESEARCH           | Andrew Gregory, MD |
| 3:00-3:14     | DISCUSSION                                   |                   |

| 2:30 – 3:15 pm| SCIENTIFIC PAPERS SESSION VI – OCD KNEE      | Salon D/E         |
| 2:30-2:35     | ROCK UPDATE                                 | James Carey, MD, MPH |
| 2:36-2:41     | ASSESSMENT OF CARTILAGE GROWTH AFTER BIOPSY OF OSTEOCHONDRAL LOOSE BODIES FOR USE IN AUTOLOGOUS CHONDROCYTE IMPLANTATION | Brian Haus, MD |
| 2:42-2:47     | META-ANALYSIS OF INTERNAL FIXATION OF OSTEOCHONDRTIS DISSECANS OF THE KNEE: BIOABSORBABLE VERSUS METALLIC IMPLANTS | Matthew Milewski, MD |
| 2:48-2:53     | CHILDHOOD OBESITY IS ASSOCIATED WITH OSTEOCHONDRTIS DISSECANS OF THE KNEE, ANKLE, AND ELBOW IN CHILDREN AND ADOLESCENTS | Kevin Shea, MD |
| 2:54-2:59     | CURRENT CONCEPTS & FUTURE RESEARCH           | John Polousky, MD |
| 3:00-3:14     | DISCUSSION                                   |                   |

<p>| 3:15 – 3:45 pm| EXHIBIT AND POSTER VIEWING BREAK             | Pre-Function Area, outside the Grand Ballroom |</p>
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<th>Time</th>
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<tr>
<td>3:45 – 3:50</td>
<td>Salons A/B/C</td>
<td>SCIENTIFIC PAPERS SESSION VII – INJURY PREVENTION</td>
<td>Research Update</td>
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<td>Kai Latz, MD; Lauren Butler, DPT</td>
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<td>3:51 – 3:56</td>
<td>Salons D/E</td>
<td>SCIENTIFIC PAPERS SESSION VIII – MENISCUS</td>
<td>Research Update</td>
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<td>Benton Heyworth, MD</td>
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<td>3:57 – 4:02</td>
<td>Salons A/B/C</td>
<td>RISK FACTORS FOR IN-SEASON INJURY IN VARSITY</td>
<td>Research Update</td>
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<td>COLLEGIATE CROSS-COUNTRY ATHLETES</td>
<td>Aristides Cruz, MD</td>
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<td>4:03 – 4:08</td>
<td>Salons D/E</td>
<td>RISK FACTORS IN ELITE ADOLESCENT MALE SOCCER</td>
<td>Research Update</td>
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<td>PLAYERS: PROSPECTIVE STUDY</td>
<td>Dai Sugimoto, PhD</td>
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<td>4:09 – 4:14</td>
<td>Salons D/E</td>
<td>CURRENT CONCEPTS &amp; FUTURE RESEARCH</td>
<td>Research Update</td>
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<td>Greg Myer, MD</td>
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<td>Salons D/E</td>
<td>SCIENTIFIC PAPERS SESSION IX – SPONDYLOLYSIS</td>
<td>Research Update</td>
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<td>James MacDonald, MD, MPH</td>
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<td>4:36 – 4:41</td>
<td>Salons D/E</td>
<td>THE EFFECT OF MANUAL THERAPY, CORE STABILIZATION,</td>
<td>Research Update</td>
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<td>AND FEAR-REDUCING EDUCATION ON CHRONIC LOW BACK</td>
<td>Comfortable Joint Study</td>
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<td>PAIN IN A 15-YEAR-OLD BALLERINA</td>
<td>Sean Cahill, BA</td>
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<td>4:42 – 4:47</td>
<td>Salons D/E</td>
<td>AN ALTERNATIVE MODEL OF CARE FOR THE TREATMENT</td>
<td>Research Update</td>
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<td>OF ADOLESCENT ATHLETES WITH LOW BACK PAIN: A</td>
<td>Benton Heyworth, MD</td>
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<td>FEASIBILITY STUDY</td>
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<td>4:48 – 4:53</td>
<td>Salons D/E</td>
<td>RETRO ARTICULAR DRILLING WITH SUPPLEMENTAL BONE</td>
<td>Research Update</td>
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<td>MARROW ASPARATE CONCENTRATE FOR OCD OF THE KNEE</td>
<td>Nirav Pandya, MD</td>
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<td>Jeremy Frank, MD</td>
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<td>5:00-5:14</td>
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<td>DISCUSSION</td>
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5:15 – 6:15 pm  NETWORKING EXHIBIT AND POSTER RECEPTION  
Pre-Function Area and Terrace, outside the Grand Ballroom
Saturday, January 27, 2018
6:00 am – 6:00 pm  REGISTRATION
7:00 – 7:45 am  BREAKFAST

7:45 – 11:30 am  GENERAL SESSION

7:45 – 8:00 am  INTRODUCTION TO SCIENTIFIC PROGRAM
    James Carey, MD; Ted Ganley, MD

8:00 – 8:45 am  SCIENTIFIC PAPERS SESSION XI – CONCUSSION
    8:00-8:05  RESEARCH UPDATE
        David Howell, PhD
    8:06-8:11  A PROSPECTIVE STUDY ON THE INCIDENCE AND ONSET OF SPORT RELATED CONCUSSIONS IN FEMALE HIGH SCHOOL
        SOCCER PLAYERS
        Stephanie Kliethermes, PhD
    8:12-8:17  HEALTH RELATED QUALITY OF LIFE AND DEPRESSION LEVELS IN ADOLESCENT MALES AND FEMALES IN THE 6-MONTHS
        FOLLOWING A SPORTS RELATED CONCUSSION
        Stephanie Kliethermes, PhD
    8:18-8:23  LONGITUDINAL MULTIMODAL ASSESSMENT TO QUANTIFY CONCUSSION RECOVERY TRAJECTORY AMONG YOUTH
        ATHLETES
        David Howell, PhD
    8:24-8:29  CURRENT CONCEPTS & FUTURE RESEARCH
        Christina Master, MD
    8:30-8:44  DISCUSSION

8:45 – 9:30 am  SCIENTIFIC PAPERS SESSION XII – TIBIAL SPINE
    8:45-8:50  RESEARCH UPDATE
        Henry Ellis, MD
    8:51-8:56  THE SURGICAL MANAGEMENT OF TIBIAL SPINE FRACTURES IN CHILDREN: A SURVEY OF TREATING PROVIDERS
        Eileen Storey, BA
    8:57-9:02  CLINICAL OUTCOMES OF SUTURE VS. SCREW FIXATION OF TIBIAL SPINE AVULSION FRACTURES
        Mininder Kocher, MD, MPH
    9:03-9:08  OPIOID UTILIZATION AFTER KNEE ARTHROSCOPIC SURGERY
        Mininder Kocher, MD, MPH
    9:09-9:14  CURRENT CONCEPTS & FUTURE RESEARCH
        Ted Ganley, MD; Julien Aoyama, BA
    9:15-9:29  DISCUSSION

9:30 – 10:15 am  SCIENTIFIC PAPERS SESSION XIII – OUTCOME MEASURES
    9:30-9:35  RESEARCH UPDATE
        Peter Fabricant, MD
    9:36-9:41  OUTCOME METRICS IN PEDIATRIC SPORTS MEDICINE: DO PROMIS COMPUTER ADAPTIVE TESTING METRICS
        CORRELATE WITH PEDIATRIC IKDC SCORES?
        Jeffrey Nepple, MD
    9:42-9:47  IDENTIFYING YOUTH ATHLETES AT RISK FOR FAILURE TO RETURN TO PLAY FOLLOWING ACL RECONSTRUCTION
        Erica Force, MD
    9:48-9:53  AUTOLOGOUS CHONDROCYTE IMPLANTATION AS TREATMENT FOR UNSALVAGEABLE OSTEOCHONDritis DISSECANS:
        10 TO 25 YEAR FOLLOW-UP
        James Carey, MD
    9:54-9:59  CURRENT CONCEPTS & FUTURE RESEARCH
        Kevin Shea, MD
    10:00-10:14  DISCUSSION
10:15 – 10:30 am  **EXHIBIT AND POSTER VIEWING BREAK**  
**LOCATION**  
Pre-Function Area, outside the Grand Ballroom

10:30 – 11:30 am  **ALLEN ANDERSON LECTURESHIP**  
**A Lifetime of Learning about the Pediatric Athlete**  
*Carl Stanitski, MD*

Dr. Stanitski is an Emeritus Professor of Orthopaedic Surgery and Pediatrics at the Medical University of South Carolina. He served as Field Staff Representative of the Accreditation Council for Graduate Medical Education from 2005-2015. Dr. Stanitski’s experience in orthopaedic surgery started with his residency at the University of Pittsburgh, continued with his fellowship at CMHC Boston and has included work at the University of Pittsburgh, Children’s Hospital of Michigan and Wayne State University.

11:30 am – 12:00 pm  **PRiSM GAVEL EXCHANGE AND AWARDS**  
*President, Kevin Shea, MD*  
*First Vice President, Ted Ganley, MD*

12:00 – 1:45 pm  **LUNCH**

12:30 – 1:30 pm  **CLINICAL CASE PRESENTATION: Lower Extremity Sports Injuries**  
*Aristides Cruz, MD; Mark Paterno, PT, PhD, SCS; Matthew Grady, MD*

12:30 – 1:30 pm  **ULTRASOUND WORKSHOP: Peripheral Joint Exams**  
*Pierre d’Hemecourt, MD; Andrea Stracciolini, MD*

12:30 – 1:30 pm  **INDUSTRY SESSION: Pediatric ACL: Update on Epiphyseal ACL Techniques and Quad Tendon Autograft, Miami/Orlando presented by Arthrex**  
*Dan Green, MD; Jay Albright, MD; Paul Saluan, MD*

### BREAKOUTS

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<thead>
<tr>
<th>LOCATION</th>
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<td><strong>1:45 – 2:30 pm</strong></td>
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<tr>
<td><strong>SCIENTIFIC PAPERS SESSION XIV – SPORT SPECIALIZATION</strong></td>
<td><strong>SCIENTIFIC PAPERS SESSION XV – PATELLOFEMORAL INSTABILITY</strong></td>
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<td><strong>RESEARCH UPDATE</strong></td>
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<td>Scott McKay, MD</td>
<td>Dan Green, MD</td>
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<td>1:51-1:56</td>
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<tr>
<td><strong>IS IT SAFE FOR ADOLESCENTS TO RUN A MARATHON?</strong></td>
<td><strong>FIRST DO NO HARM: A COMPARISON OF PATELLOFEMORAL CONTACT PRESSURES AND LIGAMENT ISOMETRY IN SKELETALLY IMMATURE MPFL RECONSTRUCTION TECHNIQUES</strong></td>
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<td>Jennifer Beck, MD</td>
<td>Sheena Black, MD</td>
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<td><strong>A PRELIMINARY INVESTIGATION OF PARTICIPATION CHARACTERISTICS BY LEVEL OF SPECIALIZATION AMONG YOUTH SOCCER ATHLETES</strong></td>
<td><strong>AXIAL WIDTH OF PATELLAR TENDON BEYOND LATERAL TROCHELEAR RIDGE: A NOVEL MEASUREMENT OF PATELLOFEMORAL INSTABILITY</strong></td>
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<td>Charles Chan, MD</td>
<td>John Urwin, MD</td>
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<td><strong>NORMATIVE ATHLETIC ACTIVITY LEVEL DATA IN CHILDREN AND ADOLESCENTS: A CROSS-SECTIONAL STUDY OF 2,002 AMERICAN YOUTH</strong></td>
<td><strong>OUTCOMES OF MEDIAL PATELLAR TENDON TRANSFER WITH PROXIMAL REALIGNMENT IN YOUNG SKELETALLY IMMATURE CHILDREN WITH PATELLAR INSTABILITY</strong></td>
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<td>Peter Fabricant, MD, MPH</td>
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<td>Allison Crepeau, MD</td>
<td>Shital Parikh, MD</td>
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<td><strong>SCIENTIFIC PAPERS SESSION XVI – HIP DISORDERS</strong></td>
<td><strong>SCIENTIFIC PAPERS SESSION XVII – OCD ELBOW</strong></td>
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<td>Jeffrey Nepple, MD</td>
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<td><strong>CAM FEMOROACETABULAR IMPINGEMENT MORPHOLOGY DEVELOPS DURING ADOLESCENCE AND IS ASSOCIATED WITH PHYSICAL ACTIVITY</strong></td>
<td><strong>ANATOMY VS ACTIVITY: A COMPARISON OF CAPITELLAR OSTEOCHONDritis DISSECANS IN GYMNASTS AND BASEBALL PLAYERS</strong></td>
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<tr>
<td>Sasha Carsen, MD</td>
<td>Philip Wilson, MD</td>
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<td><strong>RADIATION EXPOSURE IN THE YOUNG ADULT HIP PATIENT: DOES LOW-DOSE COMPUTED TOMOGRAPHY REDUCE RADIATION EXPOSURE ADEQUATELY?</strong></td>
<td><strong>META-ANALYSIS OF ADOLESCENT CAPITELLAR OSTEOCHONDritis DISSECANS: PREDICTIVE ROLE OF SYMPTOM DURATION ON PROGNOSIS</strong></td>
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<td>Alvin Su, MD, PhD</td>
<td>Carl Nissen, MD</td>
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<td><strong>ANTERIOR CENTER-EDGE ANGLE ON SAGITTAL CT: A COMPARISON OF NORMAL HIP TO DYSPLASTIC HIPS</strong></td>
<td><strong>THE DEMOGRAPHICS AND EPIDEMIOLOGY OF OSTEOCHONDritis DISSECANS OF THE ELBOW IN CHILDREN AND ADOLESCENTS</strong></td>
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### 3:15 – 3:45 pm
**EXHIBIT AND POSTER VIEWING BREAK**

Pre-Function Area, outside the Grand Ballroom

### 3:45 – 4:30 pm
**SCIENTIFIC PAPERS SESSION XVIII – GROWTH AND DEVELOPMENT**

Salons A/B/C

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<tbody>
<tr>
<td><strong>PROXIMAL HUMERAL PHYSEAL CLOSURE PATTERNS CORRELATE WITH SKELETAL AGE</strong></td>
<td><strong>RESEARCH UPDATE</strong></td>
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<tr>
<td>Jeffrey Nepple, MD</td>
<td>Benton Heyworth, MD; Todd Lawrence, MD</td>
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<td>3:51-3:56</td>
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<td><strong>INNACCURACY OF SELF-REPORTED TANNER STAGE BY ADOLESCENTS</strong></td>
<td><strong>OUTCOMES AND RETURN TO PLAY AFTER ULNAR COLLATERAL LIGAMENT RECONSTRUCTION IN ADOLESCENT ATHLETES</strong></td>
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<td>Brett McQueen, MS, LAT, ATC</td>
<td>Michael Saper, DO, ATC</td>
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<td>3:57-4:02</td>
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<td><strong>FUNCTIONAL OUTCOMES AND COMPLICATIONS FOLLOWING SURGICAL TREATMENT OF SOLITARY PERI-ARTICULAR KNEE OSTEOCHONDROMAS IN PEDIATRIC AND ADOLESCENT PATIENTS</strong></td>
<td><strong>EXCESSIVE SAGITTAL PLANE TRUNK MOTION IN BASEBALL PITCHING IS ASSOCIATED WITH INCREASED ELBOW VARUS MOMENTS AND BALL VELOCITY</strong></td>
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<td><strong>CURRENT CONCEPTS &amp; FUTURE RESEARCH</strong></td>
<td><strong>MEDIAL EPICONDYLYE FRACTURE BIOMECHANICS: EVALUATION OF THREE DIFFERENT FIXATION METHODS</strong></td>
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<td>Matt Grady, MD</td>
<td>Andrew Pennock, MD</td>
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### 3:45 – 4:30 pm
**SCIENTIFIC PAPERS SESSION XIX – UCL/MEDIAL EPICONDYLE**

Salons D/E

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<td>Andrew Pennock, MD</td>
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### 3:45 – 4:30 pm
**DISCUSSION**

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<td>4:30 – 5:15 pm</td>
<td><strong>SCIENTIFIC PAPERS SESSION XX- NTH DIMENSIONS</strong> Salons A/B/C</td>
<td>4:30 – 5:15 pm</td>
<td><strong>SCIENTIFIC PAPERS SESSION XXI- MULTILIGAMENT KNEE</strong> Salons D/E</td>
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<td>4:30-4:35</td>
<td>RESEARCH UPDATE</td>
<td>Cordelia Carter, MD</td>
<td>4:30-4:35</td>
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<td>4:36-4:41</td>
<td>FACTORS LIMITING HIP RANGE OF MOTION: BONY VERSUS SOFT TISSUE IMPINGEMENT</td>
<td>Virgenal Owens, MSE</td>
<td>4:36-4:41</td>
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<td>4:42-4:47</td>
<td>A PRELIMINARY STUDY EVALUATING INTEROBSERVER RELIABILITY OF SCHÖTTLE’S TECHNIQUE</td>
<td>Dominique Harris, BS</td>
<td>4:42-4:47</td>
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<td>4:48-4:53</td>
<td>THE PREVALENCE OF KLIPPEL-FEIL SYNDROME IN PEDIATRIC PATIENTS: ANALYSIS OF 831 CT SCANS</td>
<td>Jalea Moses, MS</td>
<td>4:48-4:53</td>
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<td>4:54-4:59</td>
<td>AN EVALUATION OF RAICAL DISPARITIES IN THE TREATMENT AND OUTCOMES OF PEDIATRIC PATIENTS WITH SEPTIC ARTHRITIS IN THE KNEE</td>
<td>Derek Fitzgerald</td>
<td>4:54-4:59</td>
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**5:15 – 5:30 pm**  **AWARDS CEREMONY**
Ted Ganley, MD

**5:30 – 5:45 pm**  **CLOSING REMARKS AND ADJOURNMENT**
Ted Ganley, MD; James Carey, MD

**6:00 – 8:00 pm**  **BOARD OF DIRECTORS MEETING**

**LOCATION**
Salons C/D/E

**LOCATION**
Miami/Orlando
SCIENTIFIC POSTERS Posters are located in the Pre-Function Area, outside the Grand Ballroom.

1. COMPLICATIONS AFTER PEDIATRIC ANTERIOR CRUCIATE LIGAMENT (ACL) RECONSTRUCTION: A META-ANALYSIS
Nirav K. Pandya, MD
2. SOCIOECONOMIC STATUS IMPACTS OUTCOMES FOLLOWING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION
Curtis Vanden Berg, MD
3. QUADRICEPS AND RECTUS TENDON RELATIONSHIP-CONCERNS FOR RECTUS TENDON INJURY DURING QUAD TENDON HARVEST IN PEDIATRIC PATIENTS
Kevin Shea, MD
4. RISK OF GRAFT FAILURE AFTER ALL-EPIPHYSEAL ACL RECONSTRUCTION COMPARED TO ADULT-TYPE ACL RECONSTRUCTION WITH HAMSTRINGS AUTOGRAPH TISSUE IN YOUNG ATHLETES
Mark Paterno, PT, PhD, MBA, SCS
5. UTILITY OF A VESTIULAR HOME EXERCISE PROGRAM AND VESTIBULAR THERAPY FOLLOWING PEDIATRIC CONCUSSION
Olivia Podolak, MD
6. ASSOCIATION BETWEEN SLEEP QUALITY AND CONCUSSION SYMPTOMS IN THE PEDIATRIC POPULATION
Jane Chung, MD
7. GENDER DIFFERENCES IN SAME-DAY RETURN TO PLAY FOLLOWING CONCUSSION AMONG PEDIATRIC SOCCER PLAYERS
Shane Miller, MD
8. AN ASSOCIATION BETWEEN FEMOROACETABULAR IMPINGEMENT MORPHOLOGY AND PELVIC AVULSION FRACTURES IN ADOLESCENTS
Stephanie W. Mayer, MD
9. CLINICAL AND RADIOGRAPHIC PREDICTORS OF CARTILAGE INJURY IN ADOLESCENTS UNDERGOING HIP ARTHROSCOPY
Michael McClincy, MD
10. WHAT IS THE ASSOCIATION OF FEMOROACETABULAR IMPINGEMENT AND HIP OSTEOARTHRITIS? A SYSTEMATIC REVIEW OF LONGITUDINAL STUDIES
Jeffrey J. Nepple, MD
11. UTILIZATION OF ELECTRONIC MEDICAL RECORDS (EMR) REGISTRIES TO IMPROVE ACL OUTCOMES, PATIENT COMPLIANCE, AND LOWER COMPLICATIONS: A QUALITY IMPROVEMENT PROJECT
Kristina Parvanta, ATC, OPA-C
12. THE SENSITIVITY AND SPECIFICITY OF PRE-OPERATIVE HISTORY, PHYSICAL EXAMINATION, AND MAGNETIC RESONANCE IMAGING TO PREDICT ARTICULAR CARTILAGE INJURIES IN SYMPTOMATIC DISCOID LATERAL MENISCUS
Nirav K. Pandya, MD
13. FAST FIX PENETRATION- NEUROVASCULAR INJURY DURING MENISCUS REPAIR
Yi-Meng Yen, MD
14. OUTCOMES OF PEDIATRIC MENISCUS REPAIRED FOLLOWED BY EARLY RANGE OF MOTION AND WEIGHT BEARING
Tyler J. Stavinoha, MD
15. OBJECTIVE ANALYSIS OF CAPITELLUM EXPOSURE FOR AUTOLOGOUS OSTEOCONDRAL RECONSTRUCTION
Peter D. Fabricant, MD MPH
16. 3D FEMOROTIBIAL ANALYSES DIFFERENTIATES BETWEEN JUVENILE OSTEOCHONDROSIS DISSECCANS WITH MEDIAL AND LATERAL LESIONS
Eileen P. Storey, BA
17. THE BIOMECHANICS OF RUNNING IN CHILDREN
Devin K. Kelly, MS
18. PIGMENTED VILLONODULAR SYNOVITIS OF THE KNEE IN CHILDREN AND ADOLESCENTS
Crystal Perkins, MD
19. ADOLESCENTS WHO RETURN TO PRE-INJURY SINGLE-LEG HOP FUNCTION HAVE BETTER PATIENT-REPORTED OUTCOMES AT DISCHARGE
Janet E. Simon
20. ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION IN PEDIATRIC AND ADOLESCENT PATIENTS: QUADRICEPS TENDON PATELLO AUTOGRAFT VERSUS HAMSTRING TENDON AUTOGRAFT
Jay Albright, MD
21. 3D KNEE TROCHLEAR MORPHOLOGY BY MAGNETIC RESONANCE IMAGING: NORMAL VERSUS PATELLA INSTABILITY IN PEDIATRIC PATIENTS
Andrew Pennock, MD
22. VARIATION IN THE MPFL ORIGIN IN THE SKELETALLY IMMATURE AN ANATOMIC STUDY
Kevin Shea, MD
23. THE EFFECT OF FEMORAL ROTATION ON PATELLOFEMORAL CONTACT PRESSURE: A CADAVERIC MODEL
Andrea Spiker
24. RISK FACTORS FOR RECURRENT PATELLAR INSTABILITY IN CHILDREN AND ADOLESCENTS
Regina Hanstein
25. ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION REHABILITATION CLINICAL PRACTICE PATTERNS: A SURVEY OF PHYSICAL THERAPISTS
Elliot Greenberg, PT, PhD
26. SINGLE LEG LONG HOP DISTANCE, QUADRICEPS STRENGTH, AND LANDING MECHANICS SYMMETRY FOLLOWING ACL RECONSTRUCTION IN ADOLESCENT ATHLETES
Erin J. Garibay, MS
27. WEIGHT GAIN FOLLOWING ACL RECONSTRUCTION IN PEDIATRIC AND ADOLESCENT PATIENTS
J. Todd Lawrence, MD
28. THE EFFECTS OF PLAYING MULTIPLE HIGH SCHOOL SPORTS ON NATIONAL BASKETBALL ASSOCIATION PLAYERS’ PROPENSITY FOR INJURY AND ATHLETIC PERFORMANCE
Nirav K. Pandya, MD
29. DIFFERENCES IN SEGMENTAL SPEEDS AS A FUNCTION OF MATURATION IN YOUTH BASEBALL PITCHERS
Gretchen D. Oliver, PhD, FACSM, ATC
30. SPORT PARTICIPATION AND SPECIALIZATION CHARACTERISTICS IN YOUTH SOCCER ATHLETES
David Bell, PhD, ATC
31. VITAMIN D3 SUPPLEMENTATION AND STRESS FRACTURE OCCURRENCE IN HIGH-RISK COLLEGIATE ATHLETES
Kevin A. Williams, MD
32. THERE IS NO CHANGE IN DISPLACEMENT OF NON-OPERATIVELY TREATED, DISPLACED PEDIATRIC MEDIAL EPICONDYLE FRACTURES
Jennifer Beck, MD
2018 ANNUAL MEETING EPOSTERS

All 2018 ePosters accepted for the PRiSM 5th Annual Meeting are available for viewing on the PRiSM website at http://www.prismsports.org/events/2018-annual-meeting/e-posters until March 31, 2018. Eposters are available for viewing on monitors near the printed posters in the Pre-Function Area, outside the Grand Ballroom.

VARIABILITY OF REPORTED OUTCOMES AFTER ARTHROSCOPIC BANKART REPAIR IN ADOLESCENT ATHLETES: A SYSTEMATIC REVIEW
Connor Kasik, DO; Michael Saper, DO, ATC

MEDIAL PATELLOFEMORAL LIGAMENT (MPFL) REPAIR RESTORES STABILITY IN PEDIATRIC PATIENTS WHEN COMPARED TO RECONSTRUCTION
Jessica Bryant, MD; Nirav K. Pandya, MD

COMPARISON OF BONE-TENDON-BONE VERSUS HAMSTRING AUTOGRRAFTS FOR ANTERIOR CRUCIATE LIGAMENT (ACL) RECONSTRUCTION IN THE ADOLESCENT POPULATION
Nirav K. Pandya, MD

REVISION RECONSTRUCTION OF THE PEDIATRIC ANTERIOR CRUCIATE LIGAMENT: ETIOLOGY AND OUTCOMES
Austin Pitcher, MD; Christina Allen, MD; Nirav K. Pandya, MD

BALANCE CONTROL DURING DUAL-TASK WALKING IN ADOLESCENT ATHLETES AFTER CONCUSION: A MULTICENTER STUDY
Tracy Zaslow, MD FAAP CAQSM; Matthew J. Solomito, PhD; Regina Kostyun; Yen-Hsun Wu; Nicole Mueske; Li-Shan Chou, PhD; Sylvia Ounpuu, MSc; Tishya Wren, PhD

THE IMPACT OF TRANSPHYSEAL ACL RECONSTRUCTION ON LOWER EXTREMITY RADIOGRAPHIC ALIGNMENT AND LENGTH
Ahmad F. Bayomy, M.D.; Viviana Bompadre, PhD; Greg Schmale, MD

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• Leadership development through board and committee participation  
• Registration discounts to the Annual Meeting  

Join Pediatric Research in Sports Medicine Society today at www.prismsports.org
Your Sports Medicine Provider for the Young Athlete

U18 Sports Medicine is a multidisciplinary program offering comprehensive orthopaedic surgical and rehabilitation services to student athletes. Our medical team includes fellowship-trained pediatric orthopaedic surgeons from Joe DiMaggio Children’s Hospital’s Department of Orthopaedic Surgery. Our rehabilitation team consists of physical therapists specializing in orthopaedic, concussion, dance and sports medicine. Additionally, we partner with youth organizations and schools by providing educational seminars, coaches clinics and special programs to help manage injuries.

On-Site Services
- Pediatric Orthopaedic Surgeons
- Sports Physical Therapy
- X-ray & MRI
- Concussion Management
- Performing Arts & Dance Medicine

Connect with Us
PRiSM 6th ANNUAL MEETING

Save the Date

JANUARY 24-26, 2019

JW Marriott Atlanta Buckhead Hotel

Atlanta, GA