

# PRISM 8<sup>TH</sup> ANNUAL MEETING



**NOW VIRTUAL**  
**JANUARY 28-30, 2021**



# Final Program



**PRISM**  
Pediatric Research in  
Sports Medicine Society

**PRISM 8<sup>TH</sup> ANNUAL MEETING**

**JANUARY 28-30, 2021**



**Presented by**  
**Texas Children's Hospital**



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## Orthopedics & Sports Medicine Program

The Orthopedics & Sports Medicine Program at Texas Children's Hospital includes a comprehensive array of services to appropriately care for and treat acute and chronic sports injuries, concussions, exercise induced asthma and other conditions affecting sports performance. We work in collaboration with pediatric emergency medicine and the other pediatric specialties at Texas Children's Hospital to provide comprehensive care for young athletes.

### Our Services

- Primary care sports medicine
- Sports orthopedic surgery
- Sports nutrition
- Sports physical therapy
- Musculoskeletal radiology
- Sports concussion program
- Sport performance enhancement

## Locations

### 1. Texas Children's Hospital Texas Medical Center

6701 Fannin Street  
Houston, TX 77030

### 2. Texas Children's Hospital West Campus

18200 Katy Freeway  
Houston, TX 77094

### 3. Texas Children's Specialty Care Cy-Fair

11777 FM 1960 West  
Houston, TX 77065

### 4. Texas Children's Specialty Care Kingwood Glen

19298 W. Lake Houston Parkway  
Humble, TX 77346

### 5. Texas Children's Specialty Care Sugar Land

15400 Southwest Freeway, Suite 200  
Sugar Land, TX 77478

### 6. Texas Children's Hospital The Woodlands

17580 Interstate 45 South  
The Woodlands, TX 77384

## Specialized Care & Treatment For Young Athletes

Because children's bones, muscles, brain and other organs are different from adults', they respond differently to injuries, stress and athletic training and require comprehensive, specialized treatment. Texas Children's Sports Medicine Program utilizes an interdisciplinary approach for the diagnosis, evaluation and treatment of young athletes with acute and chronic sports injuries and is the only sports medicine program in the area focused solely on the unique needs of the pediatric athlete.

Our program places a large emphasis on wellness and injury prevention, with special understanding of the unique needs of school-age athletes.

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Welcome to the 2021 Pediatric Research in Sports Medicine Annual Meeting!

This meeting is a display of the strength and resilience of the organization’s members and leadership. Besides being the organization’s first virtual meeting, this marks the first PRISM meeting with a formal submission process for instructional courses and the pre-course. The result is a lineup of courses that reflect the diversity of our organization. Every course includes presenters from diverse backgrounds and specialties, with the focus of coming together to learn from each other in these challenging times.

In early fall we pivoted to a virtual meeting after accepting all of the Instructional Courses, the Pre-course, and Podium and Poster Abstracts. This format switch meant over 200 pre-recorded videos and poster submissions. We are all grateful for the work that went into this meeting on the part of all of the presenters. We also recognize the devotion of their families, as much of this work happened on their time.

The virtual format means all can access the educational content of the meeting until the end of 2021. Between the Pre-Course and all the Scientific Sessions and Instructional Courses, there are over 20 hours of possible continuing education credits. Here are a brief description of what you can enjoy over the next year at your leisure:

The Pre-Course on motion analysis chaired by Jason Rhodes is absolutely fantastic. This exciting frontier helps us understand the fundamental characteristics of the young athlete’s movement patterns as they pertain to performance, pathology, and injury prevention. If you have always wanted an explanation of sports motion analysis, this course is for you.

Keynote Speakers include Baxter Holmes from ESPN who has a particular interest in the youth sports industry, and Carolyn Emery from Canada who has done extensive research in the prevention of injuries and their consequences in youth sport.

Over 70 research podium presentations in 13 scientific sessions, and nearly 100 posters are nicely organized by topic for efficient viewing and searching for your desired education. The quality of research continues to improve, and this year was no exception. Get “caught-up” on the latest research in Sports Medicine.

We are also featuring a “Cases and Spirited Debate” session on Friday evening, previously known as the “Cases and Cocktails” session.

All of this content is featured on an interactive 3D virtual platform that provides gamification, networking capabilities, and running Q&A chat boards next to presentations and topics. The best way to enjoy the meeting is definitely in real-time on January 28-30.

“See” you in January!

Mark Paterno, PT PhD MBA SCS ATC  
President, PRISM

Matthew Milewski, MD  
1st Vice President, PRISM

Cordelia Carter, MD  
2nd Vice President, PRISM

Scott McKay, MD  
Chair, Scientific Program Committee

Jay Albright, MD  
Chair Elect, Scientific Program Committee

Kristina Wilson, MD  
Past Chair, Scientific Program Committee



## 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 8<sup>th</sup> 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.

## ACKNOWLEDGEMENTS

The **Pediatric Research in Sports Medicine Society** would like to thank the following organizations for their generous support of the Society and 8<sup>th</sup> Annual Meeting...

### Texas Children's Hospital



### OrthoPediatrics



### Stanford Children's Health – Children's Orthopedic and Sports Medicine Center





## **EXHIBITORS**

We would like to thank the following companies for exhibiting at PRiSM's 8<sup>th</sup> Annual Meeting. These companies and organizations help to make our Annual Meeting possible, and we encourage you to visit the virtual exhibits.

Arthrex

Smith & Nephew

Qualisys

## **VIRTUAL ENVIRONMENT AND FAQ'S**

### **BASICS – GETTING STARTED**

#### **How do I register for the 2021 PRiSM Annual Meeting?**

Visit <https://www.prismsports.org/events/2021-annual-meeting/registration> to register for the 2021 PRiSM Annual Meeting.

#### **How do I login to the virtual meeting?**

Go to <http://prismsports.6connex.us/event/annualmeeting/login> and select the "already registered" option. You will log in with the email you used to register for the event.

#### **What time zone will the meeting?**

All times are Central Standard Time (CST).

#### **Where do I find Continuing Education information?**

Visit the Resource Center in the virtual environment or go to <https://www.prismsports.org/events/2021-annual-meeting/continuing-education> for continuing education information. The "live" portion of the meeting takes place Thursday, January 28 – Saturday, January 30.

#### **How long with the virtual meeting be available?**

The virtual meeting will be available for 12 months.

### **VIRTUAL MEETING PLATFORM**

#### **General Trouble Shooting**

Go to the Log in page and click on 'System Check' under the login button as a first step to troubleshoot any issues. The best Virtual experience is going to be on a desktop computer using the Google Chrome browser. You can also visit the Help Desk to chat about any technical issues.

#### **Navigating the Meeting**

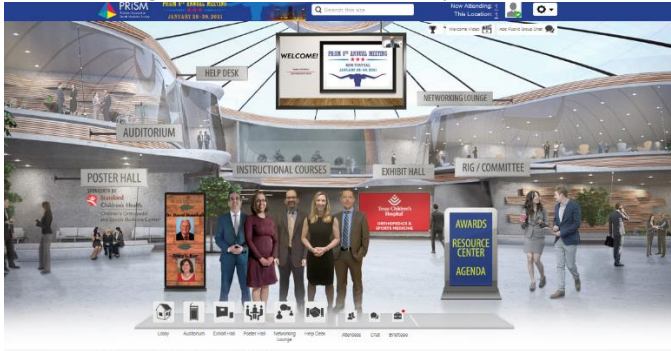
When you log in, you are in the virtual lobby and you have the opportunity to view a short introductory video from PRiSM President, Dr. Mark Paterno.



In the virtual lobby, you can click on the “room names” located throughout the space or you can click the icons on the bottom of the page. There is a signboard in the lobby that links to the Awards room, the full Agenda and the Resource Center. You will also find a number of clickable “doorways” in each room that will take you to other rooms in the virtual environment. Many of the signs and images are clickable and will open up additional videos, documents and websites.

**Quick Tip**

If your screen appears zoomed in and you cannot click the menu at the bottom, zoom out by clicking Ctrl and minus sign (-) at the same time. If you want to zoom in, click Ctrl and plus sign (+) at the same time.



If Ctrl and (-)/(+) does not work, you can also click on the 3 vertical dots in the upper right hand corner of your Chrome browser to zoom in/out

**How can I change my profile picture on the platform?**

Click on the gear icon at the top right hand corner, then select ‘Edit Registration Info’ to update your profile image.

**What is the Briefcase icon and how do I save resources into my Briefcase?**

The Briefcase is your personal list of important resources you would like to save throughout the event. You can add these resources into your Briefcase by clicking on the Briefcase icon next to any content item in the event.

**What is the Leaderboard and how does the scoring system work?**

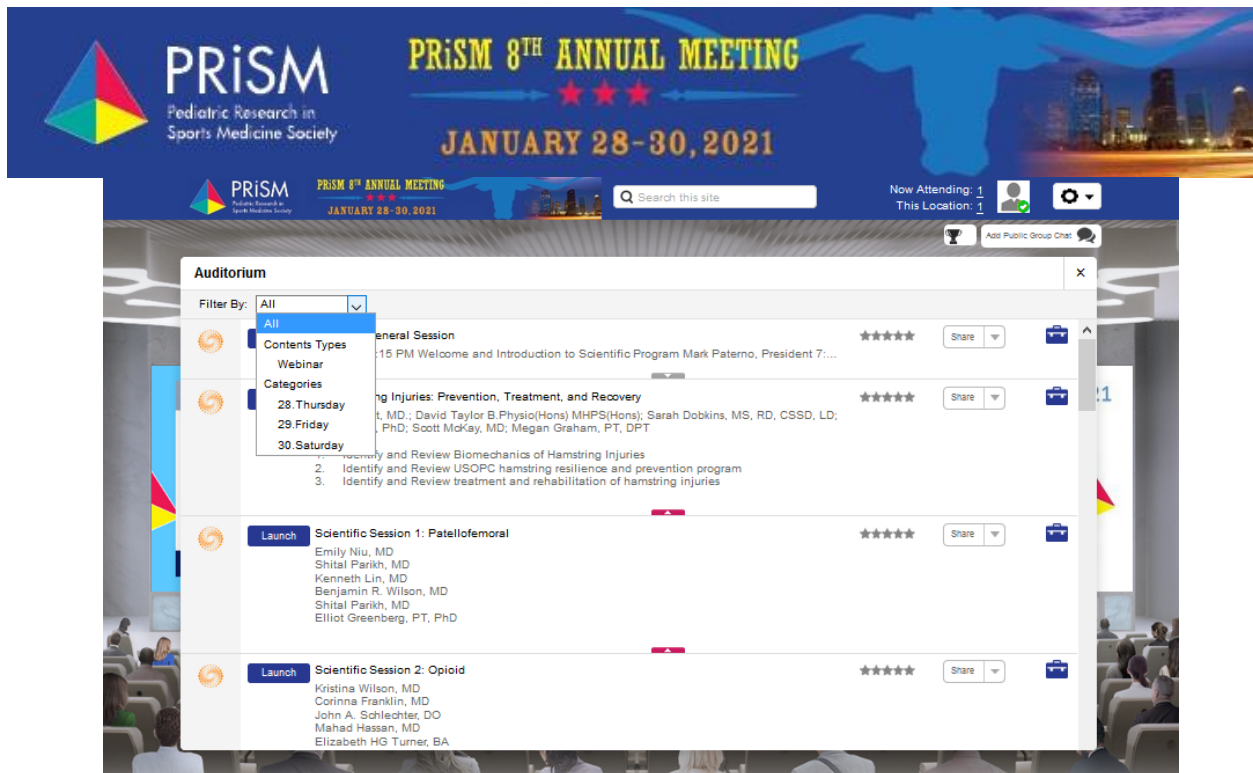
The Leaderboard is a mini competition - for fun - that exists to capture the engagement on the platform. There are points listed for different activities – examples include chatting with an exhibit booth representative, viewing the opening presentation or downloading a poster.

**PROGRAM**

There are live events during this year’s meeting – check out the Agenda for more information. There will be announcements sent via pop up messages throughout the meeting.

**Auditorium**

This area will house all live portions of the meeting, including Scientific Sessions and Keynote presentations. Click on the main screen to see a list of all content. Use the “category” drop down menu at the top to sort by day and click the grey arrow below session names to read more and view speakers.



### Instructional Courses

There are eight Instructional Courses available on demand in this area. Clicking on the course of your choice will open a content window where you can either view the course objectives and summaries or play the video. A chat feature runs alongside the video- use this to comment or ask questions.

### Poster Hall

There are nearly 100 posters to view that are organized by both general and specific topics. There will be running Q&A chat boards within each topic where attendees can ask questions and presenters can answer. The chat thread will be on going, so you can review other questions and answers or ask your own!

### Networking Lounge

The lounge is a place where meeting attendees can join in online chats- stop by and talk to other attendees about research collaborations or meet athletic trainers, physical therapists and advanced practice providers. PRISM will also host two video networking sessions, accessible by clicking on the “video networking” text.

Friday, January 29, 8:15-8:45pm (after the “Spirited Debates” session)

Enjoy a casual meet and greet with the PRISM leadership and your Scientific Program Committee!

Saturday, January 30, 2:30-2:45pm

Pop into the video networking session to meet fellow attendees, talk about the meeting and get ready to wrap up AM21!

### Exhibit Hall

Visit the virtual exhibit hall to learn more about companies and programs and earn PRISM points to be entered in a raffle to win free registration to the 9<sup>th</sup> Annual Meeting!





### **Awards**

Meet the 2021 National Award winners or view the 2020 on-site award winners and read their abstracts.

### **RIG/Committee**

Click on a RIG/Committee name to view video updates, see the current roster or join the live meetings via Zoom.

### **Resources**

In this room you can join PRISM, volunteer for a RIG/Committee, view the continuing education information, find out more about how to earn PRISM points and view educational tracks for athletic trainers, physical therapists and students.

### **Help Desk**

The help desk will be staffed and monitored during the live portions of the Annual Meeting and staffed by the PRISM Team and virtual technicians.



## **LIVE PROGRAM**

### **Tuesday, January 26, 2021**

6:00 PM - 7:00 PM	Committee Meetings - Awards, Communications, Education, Membership, Research
7:00 PM - 8:00 PM	RIGS group 1: Meniscus - Ultrasound - Hip Disorders
8:00 PM - 9:00 PM	RIGS group 2: Spine/Spondy - Injury Prevention – Patello

### **Wednesday, January 27, 2021**

6:00 PM - 7:00 PM	RIGS group 3: Tibial Spine - Rehab - Sports Spec - Female Athlete
7:00 PM - 8:00 PM	RIGS group 4: Bone Stress - Shoulder - Motion Analysis
8:00 PM - 9:00 PM	RIGS group 5: Concussion - Knee – Elbow

## Thursday, January 28, 2021

### 1:00 PM – 5:30 PM **Pre-course: 3D Motion Analysis: The Future of Sports Medicine!**

#### **Block 1**

- 1:00-1:06 Introduction  
*Jason Rhodes, MD*
- 1:10-1:27 2D vs 3D  
*Susan Kanai, PT, OCS*
- 1:30-1:40 Return to Play Clinical Assessment  
*Nick Giampetruzzi, PT, MS, CSCC*
- 1:40-2:00 Markers  
*Ross Chafetz, PT, PhD, DPT*
- 2:00-2:20 Q&A  
*Jason Rhodes, MD*

#### **Block 2**

- 2:30-3:15 Tasks and Reporting  
*Mia Katzel, DPT*
- 3:15-3:25 Tour of labs  
*Ross Chafetz, Sylvia Ounpuu, Susan Kanai*
- 3:25-3:45 Q&A  
*Kirsten Tulchin-Francis, PhD*
- 3:45-4:00 Break

#### **Block 3**

- 4:05-4:20 Cases 1  
*Corinna Franklin, MD*
- 4:20-4:35 Cases 2  
*Joseph Chorley, MD*
- 4:35-4:50 Cases 3  
*Jason Rhodes, MD*
- 4:50-5:15 SAFE program/Team capture  
*Sophia Ulman, PhD*
- 5:15-5:30 Panel Discussion/Q&A

### 6:00 PM - 7:00 PM **Committee Meeting - Diversity**

### 7:00 PM- 7:15 PM **Welcome and Introduction to Scientific Program**

- 7:00-7:10 Welcome and Year in Review  
*Mark Paterno, PT PhD MBA SCS ATC*
- 7:10-7:15 Recognition of 2020 on-site award winners  
*Mark Paterno, PT PhD MBA SCS ATC*

**7:15 PM - 8:00 PM**

**Opening Presentation: Baxter Holmes- ESPN**

7:15-7:17

Introduction of Baxter Holmes

*Nirav Pandya, MD*

7:17-7:40

The Threat of Youth Sports

*Baxter Holmes*

7:40-8:00

Moderated Q&A

*Nirav Pandya, MD*

**8:00 PM - 9:00 PM**

**IC: Hamstring Injuries: Prevention, Treatment, and Recovery**

*Jeffrey Shilt, MD.; David Taylor B.Physio(Hons) MHPS(Hons); Sarah Dobkins, MS, RD, CSSD, LD; Eric Dugan, PhD; Scott McKay, MD; Megan Graham, PT, DPT*

## Friday, January 29, 2021

**3:30 PM - 4:15 PM**

**Scientific Session 1: Patellofemoral**

3:30-3:31

Moderator Introduction

*Emily Niu, MD*

3:31-3:36

Patello RIG update/Lit review

*Shital Parikh, MD*

3:36-3:41

SPONTANEOUS CORRECTION OF EXTERNAL TIBIOFEMORAL ROTATION AND TIBIAL TUBEROSITY-TROCHLEAR GROOVE DISTANCE OCCURS AFTER MEDIAL PATELLOFEMORAL LIGAMENT RECONSTRUCTION IN FIXED OR OBLIGATORY DISLOCATORS

*Kenneth Lin, MD - Hospital for Special Surgery*

3:41-3:46

SURGICAL MANAGEMENT OF PATELLAR INSTABILITY IN ADOLESCENTS WITH BODY MASS INDEX GREATER THAN 30

*Benjamin R. Wilson, MD - Boston Children's Hospital*

3:46-3:51

DESCRIPTIVE EPIDEMIOLOGY STUDY OF THE JUSTIFYING PATELLAR INSTABILITY TREATMENT BY EARLY RESULTS (JUPITER) COHORT

*Shital Parikh, MD - Cincinnati Children's Hospital Medical Center*

3:51-3:56

RELIABILITY OF NOVEL ULTRASOUND MEASUREMENT FOR DETERMINING PATELLA POSITION

*Elliot Greenberg, PT, PhD - Children's Hospital of Philadelphia Sports Medicine*

3:56-4:15

Moderated Q&A

*Emily Niu, MD*

**3:30 PM - 4:15 PM**

**Scientific Session 2: Opioid**

3:30-3:31

Moderator Introduction

*Kristina Wilson, MD*

3:31-3:36

Opioid Lit review

*Corinna Franklin, MD*



3:36-3:41	DOES A CONTINUOUS PERIPHERAL NERVE BLOCK REDUCE HOME OPIOID USE IN CHILDREN AND ADOLESCENTS FOLLOWING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION? THE ENVELOPE PLEASE. <i>John A. Schlechter, DO</i> - Children's Hospital of Orange County
3:41-3:46	OPIOID OVERPRESCRIPTION IN ADOLESCENTS AND YOUNG ADULTS UNDERGOING HIP ARTHROSCOPY <i>Mahad Hassan, MD</i> - Boston Children's Hospital
3:46-3:51	NEURAXIAL ANESTHESIA FOR HIP ARTHROSCOPY IS ASSOCIATED WITH DECREASED IMMEDIATE POSTOPERATIVE PAIN SCORES AND OPIOID REQUIREMENTS COMPARED TO GENERAL ANESTHESIA <i>Elizabeth HG Turner, BA</i> - University of Wisconsin School of Medicine and Public Health
3:51-3:56	HOW MANY PAIN PILLS DO WE PRESCRIBE: A SURVEY OF PARTICIPANTS IN SCORE: A QUALITY IMPROVEMENT INITIATIVE <i>Henry B. Ellis, Jr., MD</i> - Texas Scottish Rite Hospital for Children
3:56-4:01	DECREASED PRESCRIBING OF POSTOPERATIVE OPIOIDS IN PEDIATRIC ACL RECONSTRUCTION- TREATMENT TRENDS AT A SINGLE CENTER <i>Ajith Malige, MD</i> - St. Luke's University Health Network, Bethlehem, PA, USA.
4:01-4:15	Moderated Q&A <i>Kristina Wilson, MD</i>
<b>4:15 PM - 5:00 PM</b>	<b>Scientific Session 3: Rehab</b>
4:15-4:16	Moderator Introduction <i>Nick Purcell, PT, DPT, SCS</i>
4:16-4:21	Rehab RIG update/Lit review <i>Joseph Molony, Jr., PT, MS, SCS, CSCS</i>
4:21-4:26	CORRELATIONS BETWEEN FUNCTIONAL TESTING AND THE PEDI-CHAMP© AGILITY TEST IN YOUTH ATHLETES <i>Kirsten Tulchin-Francis, PhD</i> - Scottish Rite for Children
4:26-4:31	PEDI-CHAMP© AGILITY TEST VARIES BY AGE, GENDER AND SPORT SPECIALIZATION IN YOUTH ATHLETES <i>Kirsten Tulchin-Francis, PhD</i> - Scottish Rite for Children
4:31-4:36	PHYSICAL THERAPISTS' PERCEPTIONS OF ADOLESCENT IDIOPATHIC SCOLIOSIS TREATMENT <i>Cassidy M. Foley Davelaar, DO, FAAP, CAQSM</i> - Nemours Children's Hospital
4:36-4:41	DEFINING LIMB DOMINANCE: A COMPARISON OF PERFORMANCE-BASED AND SELF-SELECTED MEASURES <i>Anne Leung, PT</i> - Arcadia University
4:41-5:00	Moderated Q&A <i>Nick Purcell, PT, DPT, SCS</i>
<b>4:15 PM - 5:00 PM</b>	<b>Scientific Session 4: Hip &amp; Lower Extremity</b>
4:15-4:16	Moderator Introduction

	<i>Neel Kushare, MD</i>
4:16-4:21	Hip Disorder RIG update/Lit review <i>Allison Crepeau, MD</i>
4:21-4:26	CLASSIFYING ISCHIAL TUBEROSITY AVULSION FRACTURES BY OSSIFICATION STAGE AND TENDON ATTACHMENT <i>Brendon C. Mitchell, MD</i> - University of California San Diego
4:26-4:31	THREE-DIMENSIONAL PREDICTORS OF FAI DISEASE PROGRESSION IN THE CONTRALATERAL HIP <i>Jeffrey J. Nepple, MD</i> - Washington University Orthopedics
4:31-4:36	NONOPERATIVE MANAGEMENT OF FEMOROACETABULAR IMPINGEMENT: CLINICAL OUTCOMES AT 5-YEARS – A PROSPECTIVE STUDY <i>Andrew Pennock, MD</i> - Rady Children's Hospital
4:36-4:41	ARTHROSCOPIC TREATMENT OF POSTERIOR ANKLE IMPINGEMENT IN PEDIATRIC ATHLETES AND ITS OUTCOMES - A PROSPECTIVE STUDY <i>Indranil Kushare, MD</i> - Texas Children's Hospital
4:41-5:00	Moderated Q&A <i>Neel Kushare, MD</i>
<b>5:00 PM- 5:15 PM</b>	<b>Exhibit and Poster Viewing Break</b>
<b>5:15 PM - 6:15 PM</b>	<b>Scientific Session 5: Knee</b>
5:15-5:16	Moderator Introduction <i>Jennifer Beck, MD</i>
5:16-5:21	Tibial Spine RIG update/Lit review <i>R. Justin Mistovich, MD</i>
5:21-5:26	KNEE RADIOGRAPHS DEMONSTRATE SMALL BUT STATISTICALLY SIGNIFICANT INCREASE IN POSTERIOR TIBIAL SLOPE IN PATIENTS WITH OSGOOD-SCHLATTER DISEASE <i>Daniel W. Green, MD, MS, FACS</i> - Hospital for Special Surgery
5:26-5:31	OSTEOCHONDRAL ALLOGRAFTING IN THE SKELETALLY IMMATURE KNEE: HIGH RATES OF INCORPORATION AND EXCELLENT EARLY OUTCOMES <i>Breann Tisano, MD</i> - University of Texas Southwestern Medical Center
5:31-5:36	CLINICAL EFFECTIVENESS OF TRANS-ARTICULAR VERSUS RETRO-ARTICULAR DRILLING OF STABLE OSTEOCHONDRITIS DISSECANS OF THE KNEE: A, PROSPECTIVE RANDOMIZED CONTROLLED TRIAL BY THE ROCK STUDY GROUP <i>Benton E. Heyworth, MD</i> - Boston Children's Hospital
5:36-5:41	LOOSE BODY VERSUS TROCHLEAR BIOPSY MATRIX-INDUCED AUTOLOGOUS CHONDROCYTE IMPLANTATION (MACI) MOCART SCORES AND IKDC REPORTED OUTCOMES IN PEDIATRIC PATIENTS <i>Zachary R. Hill, MD</i> - UC Davis Medical Center, Shriners Hospital of Northern California

- 5:41-5:46      MAGNETIC RESONANCE IMAGING OF LATERAL MENISCAL POSTERIOR ROOT TEARS IN THE ADOLESCENT KNEE: IS THE DIAGNOSIS MISSED, MENTIONED, OR MADE?  
*John A. Schlechter, DO* - Children's Hospital of Orange County
- 5:46-5:51      GROWTH OF THE PEDIATRIC KNEE MENISCUS: A CADAVERIC STUDY  
*Brian B. Vuong, BS* - Stanford University School of Medicine
- 5:51-5:56      TRENDS IN PEDIATRIC MENISCAL ALLOGRAFT TRANSPLANTATION: A PEDIATRIC HOSPITAL INFORMATION SYSTEMS DATABASE STUDY  
*Haley E. Smith, MD* - Northwestern University Feinberg School of Medicine
- 5:56-6:01      IS PERCUTANEOUS MEDIAL COLLATERAL LIGAMENT (MCL) RELAXATION DURING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION A SAFE OPTION FOR GAINING ACCESS TO THE MEDIAL KNEE COMPARTMENT IN CHILDREN?  
*John A. Schlechter, DO* - Children's Hospital of Orange County
- 6:01-6:15      Moderated Q&A  
*Jennifer Beck, MD*

**5:15 PM - 6:15 PM      Scientific Session 6: Patient Perspective**

- 5:15-5:16      Moderator Introduction  
*Neeraj Patel, MD, MPH, MBS*
- 5:16-5:21      Female Athlete RIG update/Lit review  
*Bianca Edison, MD MS FAAP*
- 5:21-5:26      PARENTS AND ATHLETES PERCEIVE PAIN AND PEER RELATIONSHIPS DIFFERENTLY: EARLY RESULTS OF A PROMIS DYAD STUDY  
*Corinna C. Franklin, MD* - Shriners Hospital for Children
- 5:26-5:31      TIME LOSS INJURIES AMONG FORMER COLLEGIATE GYMNASTS: THE INFLUENCE OF FEMALE ATHLETE TRIAD SYMPTOMS  
*Caroline Fryar, MD* - University of Kentucky
- 5:31-5:36      CHARACTERISTICS OF SPORTS BRA PREFERENCES IN ADOLESCENT FEMALES  
*Katherine Rizzone, MD, MPH* - University of Rochester Medical Center
- 5:36-5:41      ATHLETE IDENTITY AND COMMON BENEFITS AND BARRIERS TO SPORT PARTICIPATION AMONGST YOUTH SLED HOCKEY PLAYERS  
*Jonathan Napolitano, MD* - Nationwide Children's Hospital
- 5:41-5:46      THE IMPACT OF COVID-19 RELATED SCHOOL CLOSURES AND SPORT CANCELLATIONS ON THE HEALTH OF ADOLESCENT ATHLETES  
*Stephanie Kliethermes, PhD* - University of Wisconsin
- 5:46-5:51      NUMERICAL RATING SCALE AS A PREDICTOR OF AN UNDERLYING PATHOLOGY IN PEDIATRIC BACK PAIN USING MAGNETIC RESONANCE IMAGE AS DIAGNOSTIC TOOL  
*Eduardo A. Lindsay, MD* - Mayaguez Medical Center
- 5:51-5:56      ASSESSING THE ACCURACY, QUALITY, AND READABILITY OF ONLINE PATIENT RESOURCES ON TARSAL COALITION  
*Hui Zhang, MD* - Geisinger Health System

5:56-6:15      Moderated Q&A  
*Neeraj Patel, MD, MPH, MBS*

**6:15 PM - 6:45 PM      Exhibit and Poster Viewing Break**

**6:45 PM - 7:00 PM      PRiSM Awards and Gavel Exchange**

6:45-6:55      National Physical Therapy Achievement Award- Lauren S. Butler PT, DPT, SCS  
National Athletic Training Achievement Award- David R. Howell, PhD  
*Mark Paterno, PT PhD MBA SCS ATC*

6:55-7:00      Gavel Exchange  
*Mark Paterno, PT PhD MBA SCS ATC, Matthew Milewski, MD*

7:00-7:10      Tribute to Dr. David Marshall  
*Michael Busch, MD*

**7:10 PM- 8:10 PM      Complex Cases and "Spirited" Debates**

7:10-7:14      Moderator/Panel Introduction  
*Eric Edmonds, MD, David Howell, PhD, Emily Sweeney, MD*

7:14-7:27      SWIMMER WITH AN UNCOMMON CAUSE OF PAIN IN AN UNCOMMON LOCATION  
*Drew Duerson, MD*

7:27-7:40      A SURPRISING CAUSE OF LEG PAIN IN A 2-YEAR-OLD GIRL  
*Marissa B. McCay, MD, FAAP*

7:40-7:53      FEMORAL NECK STRESS FRACTURE IN A CHILD WITH OSTEOGENESIS IMPERFECTA  
*Thomas L. Pommering, DO, Kevin E. Klingele, MD*

7:53-8:06      TRANSVERSE SINUS VENOUS THROMBOSIS IN COVID19+ ADOLESCENT PRESENTING AS A CONCUSSION  
*Jonathan Napolitano, MD, Lydia Powers, DO*

8:06-8:10      Final thoughts  
*Eric Edmonds, MD, David Howell, PhD, Emily Sweeney, MD*

**8:15 PM-8:45 PM      Meet the Leadership Networking**

**Saturday, January 30, 2021**

**12:00 PM - 12:45 PM      Scientific Session 7: ACL**

12:00-12:01      Moderator Introduction  
*Cordelia Carter, MD*

12:01-12:06      Multi Ligament Knee RIG update/Lit review  
*Crystal Perkins, MD*

- 12:06-12:11 RISK FACTORS FOR FAILURE FOLLOWING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION IN A PEDIATRIC POPULATION: A NOVEL PREDICTION ALGORITHM  
*Nicholas J. Lemme, MD - Brown University Department of Orthopaedics*
- 12:11-12:16 LIMITED INTER-RATER RELIABILITY IN ANTEROLATERAL LIGAMENT DETECTION IN PEDIATRIC KNEE MRIS  
*Brendan A. Williams, MD - The Children's Hospital of Philadelphia*
- 12:16-12:21 LCL IN A SINGLE CORONAL SLICE – A NOVEL SIGN FOR IDENTIFYING ACL DEFICIENT PATIENTS AND PREDICTING RISK OF FUTURE GRAFT FAILURE  
*Brendon C. Mitchell, MD - University of California San Diego*
- 12:21-12:26 ANTERIOR CRUCIATE LIGAMENT TEAR FOLLOWING SURGICAL TREATMENT OF PEDIATRIC TIBIAL EMINENCE FRACTURE IN A MULTICENTER COHORT  
*Ryan O'Donnell, MD - Brown University Department of Orthopedics*
- 12:26-12:31 EARLY OUTCOMES AFTER SUTURE TAPE REINFORCEMENT OF QUADRICEPS TENDON AUTOGRAFT ACL RECONSTRUCTION IN ADOLESCENT ATHLETES  
*Michael Saper, DO, ATC, CSCS - Seattle Children's*
- 12:31-12:36 NERVE BLOCKS FOR PEDIATRIC ACL RECONSTRUCTION: COMPARING FUNCTION, PATIENT-REPORTED OUTCOMES, AND EFFICIENCY  
*Tomasina Leska, BS - Children's Hospital of Philadelphia*
- 12:26-12:45 Moderated Q&A  
*Cordelia Carter, MD*
- 12:00 PM - 12:45 PM Scientific Session 8: Concussion A**
- 12:00-12:01 Moderator Introduction  
*Michael Beasley, MD*
- 12:01-12:06 Concussion RIG update/Lit review  
*Matthew Grady, MD*
- 12:06-12:11 IS NEAR POINT OF CONVERGENCE ASSOCIATED WITH SYMPTOM PROFILES OR RECOVERY IN ADOLESCENTS AFTER CONCUSSION?  
*Gregory A. Walker, MD - Children's Hospital Colorado*
- 12:11-12:16 INITIAL CLINICAL PRESENTATION OF PEDIATRIC PATIENTS WITH PSYCHOLOGICAL DISORDERS FOLLOWING CONCUSSION  
*Jane Chung, MD - Scottish Rite for Children*
- 12:16-12:21 THE CLINICAL UTILITY OF THE VESTIBULAR AND OCULAR MOTOR SCREENING FOR PROTRACTED RECOVERY IN PEDIATRIC CONCUSSION PATIENTS  
*Todd Caze, II, PhD - Children's Health Andrews Institute*
- 12:21-12:26 MECHANISM OF INJURY IMPACTS CONCUSSION RECOVERY  
*Todd Caze, II, PhD - Children's Health Andrews Institute*
- 12:26-12:31 ANXIETY, FEAR, AND MOVEMENT FOLLOWING SPORTS-RELATED CONCUSSION: HOW DOES KINESIOPHOBIA CORRELATE TO SYMPTOMS AND REACTION TIME?  
*Sarah E. Reinking, PT, DPT, SCS - Children's Hospital Colorado*
- 12:31-12:45 Moderated Q&A  
*Michael Beasley, MD*



<b>12:45 PM - 1:30 PM</b>		<b>Scientific Session 9: ACL Rehab</b>
12:45-12:46	Moderator Introduction	<i>Lauren Schlacht, PT, DPT, SCS</i>
12:46-12:51	Injury Prevention RIG update/Lit review	<i>Kirsten Tulchin-Francis, MD</i>
12:51-12:56	ESTIMATED PERFORMANCE FOR AGE: A NOVEL CRITERION FOR RETURN TO SPORT AFTER ANTERIOR CRUCIATE RECONSTRUCTION AND ITS PERFORMANCE COMPARED TO LIMB SYMMETRY INDICES	<i>John Magill, PT, DPT - Duke University</i>
12:56-1:01	STRONGER THAN EVER! ADOLESCENT ATHLETES SHOW STRENGTH GAINS WITHIN THE UNINJURED LEG AFTER ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION	<i>Elliot Greenberg, PT, PhD - Children's Hospital of Philadelphia Sports Medicine</i>
1:01-1:06	EARLY STRENGTH TESTING AFTER ACL RECONSTRUCTION IMPACTS ISOKINETIC STRENGTH PERFORMANCE AT TIME OF RETURN TO SPORT	<i>Adam P. Weaver, PT, DPT - Connecticut Children's</i>
1:06-1:11	NEURAL ACTIVITY PROFILES ASSOCIATED WITH ACL INJURY-RISK MECHANICS IN ECOLOGICAL SPORT SPECIFIC VIRTUAL REALITY	<i>Dustin R. Grooms, PhD - Ohio University</i>
1:11-1:16	COACH EDUCATION IMPROVES ADHERENCE TO ACL INJURY PREVENTION PROGRAMS: A CLUSTER-RANDOMIZED CONTROLLED TRIAL	<i>Joseph Janosky, MS, PT, ATC - Hospital for Special Surgery</i>
1:16-1:30	Moderated Q&A	<i>Lauren Schlacht, PT, DPT, SCS</i>
<b>12:45 PM - 1:30 PM</b>		<b>Scientific Session 10: Concussion B</b>
12:45-12:46	Moderator Introduction	<i>Peter Kriz, MD</i>
12:46-12:51	Spondy RIG update/Lit review	<i>James P. MacDonald, MD MPH</i>
12:51-12:56	CHANGES IN SUBJECTIVE AND OBJECTIVE SLEEP MEASURES DURING RECOVERY IN PEDIATRIC CONCUSSION	<i>Julie C. Wilson, MD - Children's Hospital Colorado</i>
12:56-1:01	STEP UP! LESS PHYSICAL ACTIVITY AFTER CONCUSSION IS ASSOCIATED WITH PROLONGED CLINICAL RECOVERY AMONG ADOLESCENTS	<i>Corrine N. Seehusen, BA - Children's Hospital Colorado</i>
1:01-1:06	DIZZINESS, PSYCHOSOCIAL FUNCTION, AND GAIT ASSESSMENT FOLLOWING SPORT-RELATED CONCUSSION	<i>Danielle L. Hunt, MS, LAT, ATC - Boston Children's Hospital</i>
1:06-1:11	SPORT TYPE AND BASELINE NEUROCOGNITIVE SCORES AMONG HEALTHY HIGH SCHOOL ATHLETES	<i>Jessie R. Oldham, PhD - Boston Children's Hospital</i>



1:11-1:30	Moderated Q&A <i>Peter Kriz, MD</i>
<b>1:30 PM - 1:45 PM</b>	<b>Exhibit and Poster Viewing Break</b>
<b>1:45 PM - 2:30 PM</b>	<b>Allen Anderson Lectureship: Dr. Carolyn Emery - University of Calgary</b>
1:45-1:50	Introduction of Carolyn Emery <i>James P. MacDonald, MD MPH</i>
1:50-2:20	Targets for the Prevention of Injuries and their Consequences in Youth Sport <i>Carolyn Emery, PT PhD</i>
2:20-2:30	Moderated Q&A <i>James P. MacDonald, MD MPH</i>
<b>2:30 PM - 2:45 PM</b>	<b>Meeting Networking</b>
<b>2:45 PM - 3:30 PM</b>	<b>Scientific Session 11: Upper Extremity</b>
2:45-2:45	Moderator Introduction <i>Kristin Ernest, MD</i>
2:46-2:51	Elbow RIG update/Lit review <i>Eric W. Edmonds, MD, FAOA</i>
2:51-2:56	CHARACTERISTICS OF FOREARM RE-FRACTURE IN YOUTH ATHLETES <i>Ami Kapadia, BBA, BSA - UT Southwestern Medical Center</i>
2:56-3:01	OPEN REDUCTION OF MEDIAL EPICONDYLE FRACTURES IN CHILDREN AND ADOLESCENTS: SUPINE VERSUS PRONE POSITION <i>Soroush Baghdadi, MD - The Children's Hospital of Philadelphia</i>
3:01-3:06	CLINICAL FEATURES AND OUTCOMES OF LITTLE LEAGUE ELBOW IN YOUNG ATHLETES <i>Evan T. Zheng, BA - Boston Children's Hospital</i>
3:06-3:11	OPERATIVE TREATMENT OF SEVERE CERVICAL SPINE INJURIES SUSTAINED IN YOUTH SPORTS: EXPERIENCE FROM A PEDIATRIC LEVEL 1 TRAUMA CENTER OVER A 16-YEAR PERIOD <i>Yi-Meng Yen, MD PhD - Boston Children's Hospital</i>
3:11-3:30	Moderated Q&A <i>Kristin Ernest, MD</i>
<b>2:45 PM - 3:30 PM</b>	<b>Scientific Session 12: Shoulder</b>
2:45-2:45	Moderator Introduction <i>Melissa Christino, MD, FAAOS</i>
2:46-2:51	Shoulder RIG update/Lit review <i>Paul M. Saluan, MD</i>

2:51-2:56	OPERATIVE VERSUS NON-OPERATIVE TREATMENT OF SEVERELY SHORTENED OR COMMUNUTED CLAVICLE FRACTURES IN OOLDER ADOLESCENT ATHLETES: RESULTS FROM A PROSPECTIVE, MULTICENTER, LEVEL 2 COHORT STUDY <i>David D. Spence, MD - Campbell Clinic Orthopaedics</i>
2:56-3:01	MEAN 6 YEAR CLINICAL OUTCOMES, SURVIVORSHIP, AND RETURN TO SPORTS AFTER ARTHROSCOPIC CAPSULAR REPAIR WITH SUTURE ANCHORS FOR ADOLESCENT MULTIDIRECTIONAL SHOULDER INSTABILITY <i>Eric W. Edmonds, MD, FAOA - University of California San Diego</i>
3:01-3:06	ARTHROSCOPIC BANKART REPAIR FOR ADOLESCENT UNIDIRECTIONAL SHOULDER INSTABILITY: CLINICAL AND RADIOGRAPHIC PREDICTORS OF REVISION SURGERY AND INSTABILITY <i>Crystal Perkins, MD - Children's Healthcare of Atlanta</i>
3:06-3:11	IDENTIFYING THE AXILLARY NERVE DURING SHOULDER SURGERY: AN ANATOMIC STUDY USING ADVANCED IMAGING <i>Michael E. Hachadorian, MD - University of California, San Diego</i>
3:11-3:30	Moderated Q&A <i>Melissa Christino, MD, FAAOS</i>
<b>3:30 PM - 4:15 PM</b>	<b>Top Posters</b>
3:30-3:33	Moderator Introduction <i>David Bazett-Jones, PhD, ATC, CSCS</i>
3:33-3:36	INTRA-ARTICULAR MORPHINE AND ROPIVACAINE INJECTION PROVIDES EFFICACIOUS ANALGESIA COMPARED TO FEMORAL NERVE BLOCK IN THE FIRST 24 HOURS POST-OPERATIVELY AFTER ACL RECONSTRUCTION WITH BTB IN AN ADOLESCENT COHORT <i>Brendon C. Mitchell, MD - University of California San Diego</i>
3:36-3:39	CLEARANCE BASED ON STANDARDIZED RETURN TO SPORTS ASSESSMENT FOLLOWING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION IN PEDIATRIC AND ADOLESCENT PATIENTS <i>Eileen A. Crawford, MD - University of Michigan</i>
3:39-3:41	IDENTIFYING TRENDS IN MICROSACCADE RATE ON OCULOMOTOR TRACKER IN EARLY VS LATE STAGE PEDIATRIC CASES WITH PERSISTENT POST-CONCUSSION SYMPTOMS (PPCS) <i>Prem K. Thirunagari, BSHS, BS - University of Arizona</i>
3:44-3:47	ATHLETIC IDENTITY IN YOUTH ATHLETES: A SYSTEMATIC REVIEW <i>Bianca Edison, MD MS FAAP - Children's Orthopaedic Center, Children's Hospital Los Angeles, USC</i>
3:47-3:50	INTER-RATER RELIABILITY OF THE PRONE APPREHENSION RELOCATION TEST (PART) <i>Lauren E. Watchmaker, BA - University of Wisconsin School of Medicine and Public Health</i>

- 3:50-3:53      EFFECTIVENESS OF PRE-SEASON PHYSICAL PERFORMANCE TESTS IN IDENTIFYING IN-SEASON LOWER EXTREMITY INJURIES IN ADOLESCENT GYMNASTS  
*Danielle Farzanegan, DPT, PT - Texas Children's Hospital*
- 3:53-3:56      45° FLEXION ANTEROPOSTERIOR ELBOW RADIOGRAPHS IMPROVE DIAGNOSTIC ACCURACY OF CAPITELLUM OSTEOCHONDritis DISSECANS  
*Michael Saper, DO, ATC, CSCS - Seattle Children's*
- 3:56-3:59      ISOLATED MPFL RECONSTRUCTION VS. TIBIAL TUBERCLE OSTEOTOMY AND MEDIAL RETINACULAR PLICATION FOR RECURRENT PATELLAR INSTABILITY: A MATCHED, COHORT ANALYSIS OF CLINICAL OUTCOMES COMPARING TWO TECHNIQUES  
*Benton E. Heyworth, MD - Boston Children's Hospital*
- 3:59-4:03      PEDIATRIC HEALTHCARE PROVIDER AWARENESS, CONFIDENCE, AND USE OF SPORTS SPECIALIZATION RECOMMENDATIONS AND APPLICATION TOWARDS YOUTH ATHLETE COUNSELING  
*Tamara C. Valovich McLeod, PhD, ATC, FNATA - A.T. Still University*
- 4:03-4:15      Q&A  
*David Bazett-Jones, PhD, ATC, CSCS*
- 4:30 PM - 6:30 PM      PRiSM Board of Directors Meeting**



## PRISM 8<sup>th</sup> Annual Meeting Posters

Friday, January 29 5:00 PM- 5:15 PM	Hip Disorders, Foot & Ankle, Patellofemoral
Friday, January 29 6:15 PM - 6:30 PM	Mental Wellness, Injury Prevention
Friday, January 29 6:30 PM- 6:45 PM	OCD, Female Athlete, Sports Specialization
Saturday, January 30 1:30 PM - 1:45 PM	Concussion, ACL/Meniscus, Upper Extremity

Poster #	Abstract Title	Presenter	Topic
1	INTRA-ARTICULAR MORPHINE AND ROPIVACAINE INJECTION PROVIDES EFFICACIOUS ANALGESIA COMPARED TO FEMORAL NERVE BLOCK IN THE FIRST 24 HOURS POST-OPERATIVELY AFTER ACL RECONSTRUCTION WITH BTB IN AN ADOLESCENT COHORT	Brendon C. Mitchell, MD	ACL/Meniscus
2	CLEARANCE BASED ON STANDARDIZED RETURN TO SPORTS ASSESSMENT FOLLOWING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION IN PEDIATRIC AND ADOLESCENT PATIENTS	Eileen A. Crawford, MD	ACL/Meniscus
3	SEX, PATELLAR TENDON GRAFT, AND EARLY MOTION DEFICITS PREDICT ARTHROFIBROSIS AFTER PEDIATRIC ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION	Neeraj M. Patel, MD, MPH, MBS	ACL/Meniscus
4	ISOKINETIC STRENGTH IS COMPARABLE AMONG ADOLESCENT PATIENTS WHO HAD EITHER A SINGLE INJECTION FEMORAL NERVE BLOCK OR CONTINUOUS FEMORAL NERVE CATHETER DURING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION.	Jay Albright, MD	ACL/Meniscus
5	AVOIDING POPLITEAL NEURO-VASCULAR INJURY DURING ILIOTIBIAL BAND ACL RECONSTRUCTION	Kevin Shea, MD	ACL/Meniscus
6	COMPARISON OF ANTERIOR CRUCIATE LIGAMENT INJURY RATES IN HIGH SCHOOL AND MIDDLE SCHOOL SPORTS OVER A 30-YEAR PERIOD	Mitchell J. Rauh, PT, PhD, MPH, FACSM	ACL/Meniscus
7	HYBRID TRANSTIBIAL FEMORAL PREPARATION FOR TRANSPHYSEAL ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: A RADIOGRAPHIC COMPARISON TO TRANSTIBIAL AND ANTEROMEDIAL PORTAL TECHNIQUES.	Douglas L. Jarvis, MD	ACL/Meniscus
8	EFFECT OF AUTOGRAFT TYPE ON RECOVERY OF KNEE EXTENSOR MECHANISM FUNCTION FOLLOWING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION	Curtis VandenBerg, MD	ACL/Meniscus
9	BIOPSYCHOSOCIAL RISK FACTORS ASSOCIATED WITH SUBOPTIMAL OUTCOMES FOLLOWING ACLR IN THE PEDIATRIC ATHLETE	Emily J. Stapleton, PsyD	ACL/Meniscus
10	PATIENTS WHO ATTEND FORMAL PHYSICAL THERAPY FOR THE ENTIRE DURATION OF RECOVERY AFTER ACLR DEMONSTRATE EXCELLENT FUNCTIONAL OUTCOMES	Meredith Link, PT, ATC	ACL/Meniscus
11	DELAY TO ACL RECONSTRUCTION IN PEDIATRIC AND ADOLESCENT PATIENTS IS ASSOCIATED WITH A LINEAR INCREASE IN THE RISK OF MEDIAL MENISCAL TEARS	David A. Kolin, BA, MSc	ACL/Meniscus
12	GRAFT FAILURE IN ADOLESCENT PATIENTS UNDERGOING ADULT-TYPE ACL RECONSTRUCTION WITH BONE PATELLAR TENDON BONE OR HAMSTRING AUTOGRAFT	Ashish Mittal, MD	ACL/Meniscus



13	PRE-OPERATIVE EXPECTATIONS FOR RETURN TO SPORTS AND OUTCOMES FOLLOWING ACL RECONSTRUCTION: A SURVEY OF ADOLESCENT PATIENTS AND THEIR PARENTS	Michael Saper, DO, ATC, CSCS	ACL/Meniscus
14	ARE SEGOND FRACTURES OF THE TIBIA PATHOGNOMONIC FOR ACL TEARS IN THE PEDIATRIC AND ADOLESCENT POPULATION?	Indranil Kushare, MD	ACL/Meniscus
15	ANTERIOR CRUCIATE LIGAMENT RECONSRUCTION IN CHILDREN: OUTCOMES OF QUADRICEPS VERSUS HAMSTRING AUTOGRAFTS	Joshua T. Bram, BS	ACL/Meniscus
16	EFFECT OF SKELETAL MATURITY ON INCIDENCE OF ASSOCIATED MENISCAL AND CHONDRAL INJURIES IN ANTERIOR CRUCIATE LIGAMENT INJURED KNEES	Brett Heldt, BS	ACL/Meniscus
17	FUNCTIONAL RECOVERY AFTER REVISION ACL RECONSTRUCTION WITH A SECOND AUTOGRAFT: A MATCHED COHORT ANALYSIS IN ADOLESCENT PATIENTS	Benjamin R. Wilson, MD	ACL/Meniscus
18	TIBIAL PHYSEAL RESPECTING TUNNEL DRILLING TECHNIQUE FOR ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION IN SKELETALLY IMMATURE ATHLETES	Jay Albright, MD	ACL/Meniscus
19	POST-CONCUSSION PHYSICAL THERAPY REFERRALS	August Price, PsyD	Concussion
20	IDENTIFYING TRENDS IN MICROSACCADE RATE ON OCULOMOTOR TRACKER IN EARLY VS LATE STAGE PEDIATRIC CASES WITH PERSISTENT POST-CONCUSSION SYMPTOMS (PPCS)	Prem K. Thirunagari, BSHS, BS	Concussion
21	A PILOT STUDY EVALUATING THE TIMING OF VESTIBULAR THERAPY AFTER SPORT-RELATED CONCUSSION: EARLIER IS BETTER	Scott M. Miller, MD	Concussion
22	DIVERGENT INTERPRETATION OF POST-CONCUSSIVE SYMPTOMS BETWEEN PARENT AND CHILD	Jennifer Kieschnick, Doctorate of PT	Concussion
23	SELF-REPORTED SEVERITY OF MOOD SYMPTOMS IN PEDIATRIC PATIENTS WITH PERSISTENT POST-CONCUSSION SYMPTOMS (PPCS)	Marshall L. Spiegel, BS, JD	Concussion
24	DETERMINANTS OF IMMEDIATE AND DELAYED RECALL PERFORMANCE FOLLOWING PEDIATRIC CONCUSSION	Mathew J. Wingerson, BA	Concussion
25	MACHINE LEARNING CLASSIFICATION OF VERIFIED HEAD IMPACT EXPOSURE REVEALS ASSOCIATIONS WITH LONGITUDINAL WHITE MATTER CHANGES IN FEMALE HIGH SCHOOL SOCCER PLAYERS	Christopher A. DiCesare, PhD	Concussion
26	CHANGES IN DUAL-TASK GAIT VELOCITY COST FOLLOWING CONCUSSION	Kristin Ernest, MD	Concussion
27	IDENTIFYING QEEG EVOKED POTENTIAL VOLTAGE PATTERNS IN PEDIATRIC CASES WITH PERSISTENT POST-CONCUSSION SYMPTOMS (PPCS): A RETROSPECTIVE STUDY	Nancy Phu, BS	Concussion
28	THE UTILITY OF A MULTIDIRECTIONAL SUBMAXIMAL EXERTIONAL STEP AS PART OF AN EXERTIONAL REHABILITATION PROTOCOL AFTER CONCUSSION	Katelyn Paulsen, BFA	Concussion
29	VESTIBULAR TESTING IN CHILDREN WITH DIZZINESS AND BALANCE CONCERNS AFTER CONCUSSION: LABORATORY AND CLINICAL RESULTS	Michael Karl, DPT	Concussion
30	AEROBIC EXERCISE VOLUME, NOT PRESCRIPTION, INFLUENCES POST-CONCUSSION SYMPTOMS: A RANDOMIZED CLINICAL TRIAL	David R. Howell, PhD	Concussion
31	ATHLETIC IDENTITY IN YOUTH ATHLETES: A SYSTEMATIC REVIEW	Bianca Edison, MD MS FAAP	Female Athlete
32	LOWER QUARTER Y-BALANCE TEST SCORES ARE ASSOCIATED WITH ISOKINETIC KNEE STRENGTH	Ashley Erdman, BS, MBA	ACL/Meniscus
33	HEALTH OUTCOMES AMONG FORMER FEMALE COLLEGIATE GYMNASTS: THE INFLUENCE OF SPORT SPECIALIZATION, CONCUSSION, AND DISORDERED EATING	Emily A. Sweeney, MD	Female Athlete



34	SINGLE LEG SQUAT COMPENSATIONS ASSOCIATE WITH SOFTBALL PITCHING PATHOMECHANICS IN ADOLESCENT SOFTBALL PITCHER	Gretchen D. Oliver, PhD, FACSM, ATC	Female Athlete
35	SURGICAL OUTCOMES OF ACCESSORY NAVICULAR IN ADOLESCENT ATHLETES	Ally Yang, BS	Foot/Ankle
36	ROLE OF PHYSICAL THERAPY IN THE TREATMENT OF POSTERIOR ANKLE IMPINGEMENT IN PEDIATRIC ATHLETES - A PROSPECTIVE STUDY	Adam D. Saloom, DPT	Foot/Ankle
37	INTER-RATER RELIABILITY OF THE PRONE APPREHENSION RELOCATION TEST (PART)	Lauren E. Watchmaker, BA	Hip Disorders
38	PROSPECTIVE EVALUATION OF IN SITU SCREW FIXATION FOR STABLE SLIPPED CAPITAL FEMORAL EPIPHYSIS	Clarabelle DeVries, MD	Hip Disorders
39	TRENDS IN ADOLESCENT HIP ARTHROSCOPY FROM THE PHIS DATABASE 2008 to 2018	Mahad Hassan, MD	Hip Disorders
40	IDENTIFICATION OF FACTORS ASSOCIATED WITH DISEASE PROGRESSION IN THE CONTRALATERAL HIP OF PATIENTS WITH SYMPTOMATIC FEMOROACETABULAR IMPINGEMENT	Jeffrey J. Nepple, MD	Hip Disorders
41	BORDERLINE ACETABULAR DYSPLASIA: THREE-DIMENSIONAL DEFORMITY PREDICTORS OF THE DIAGNOSIS OF SYMPTOMATIC INSTABILITY TREATED WITH PERIACETABULAR OSTEOTOMY	Jeffrey J. Nepple, MD	Hip Disorders
42	SOFT TISSUE CAM IMPINGEMENT IN ADOLESCENTS: MRI REVEALS IMPINGEMENT LESIONS UNDERAPPRECIATED ON X-RAY	Benjamin Johnson, PA-C	Hip Disorders
43	RADIOGRAPHIC FOLLOW-UP AFTER MILD SLIPPED CAPITAL FEMORAL EPIPHYSIS: WHAT IS THE INCIDENCE OF SUBSEQUENT SURGERY FOR FEMOROACETABULAR IMPINGEMENT?	Stephanie W. Mayer, MD	Hip Disorders
44	PREOPERATIVE 3D MODELING AND PRINTING FOR GUIDING PERIACETABULAR OSTEOTOMY	Brian Haus	Hip Disorders
45	SLIPPED CAPITAL FEMORAL EPIPHYSIS ACETABULAR ORIENTATION AND SHAPE: A THREE-DIMENSIONAL CT STUDY	Connor Paez, BA	Hip Disorders
46	COMPARISON OF Y-BALANCE TEST PERFORMANCE BY MATURATION STATUS IN YOUTH DISTANCE RUNNERS	Mitchell J. Rauh, PT, PhD, MPH, FACSM	Injury prevention/ Motion Analysis
47	EFFECTIVENESS OF PRE-SEASON PHYSICAL PERFORMANCE TESTS IN IDENTIFYING IN-SEASON LOWER EXTREMITY INJURIES IN ADOLESCENT GYMNASTS	Danielle Farzanegan, DPT, PT	Injury prevention/ Motion Analysis
48	CHANGE IN KNEE SEPARATION DISTANCE IN ADOLESCENT ATHLETES AFTER A 6-WEEK NEUROMUSCULAR TRAINING PROGRAM	Jorge E. Gomez, MD, MS	Injury prevention/ Motion Analysis
49	PEDIATRIC ORTHOPAEDIC TRAUMA AND ASSOCIATED INJURIES AT AN INNER CITY LEVEL 1 TRAUMA CENTER	Folorunsho Edobor-Osula	Injury prevention/ Motion Analysis
50	ORTHOPEDIC INJURIES IN ADOLESCENT GYMNASTS: A SYSTEMATIC REVIEW	Michael Saper, DO, ATC, CSCS	Injury prevention/ Motion Analysis



51	NEURAL ACTIVITY AND LANDING BIOMECHANICS: EXPLORING THE RELATIONSHIPS BETWEEN THE BRAIN, BODY, AND ACL INJURY-RISK	Cody R. Criss, BS	Injury prevention/ Motion Analysis
52	HURDLE STEP COMPONENT SCORE FROM THE FUNCTIONAL MOVEMENT SCREEN IS ASSOCIATED WITH STRENGTH, SPEED, AND JUMP PERFORMANCE	Sophia Ulman, PhD	Injury prevention/ Motion Analysis
53	PITCHING IN YOUTH SOFTBALL: HOW MUCH ARE PITCHERS THROWING?	Cameron A. Trotter, BS	Injury prevention/ Motion Analysis
54	NATIONWIDE ETHNIC/RACIAL DIFFERENCES IN SURGICAL TREATMENT OF DISCOID MENISCUS IN CHILDREN: A PHIS DATABASE STUDY	Matthew D. Milewski, MD	ACL/Meniscus
55	EPIDEMIOLOGIC STUDY OF THE DISCOID MENISCUS: INVESTIGATING DEMOGRAPHIC-BASED PREDICTORS IN LARGE-SCALE CLAIMS DATABASE	Sahej Randhawa, BS/Medical Student	ACL/Meniscus
56	CONCOMITANT MENISCECTOMY RESULTS IN REDUCED RETURN TO SPORT COMPARED TO MENISCUS REPAIR IN PRIMARY PEDIATRIC ACL RECONSTRUCTION	Brendan A. Williams, MD	ACL/Meniscus
57	KIDS RUN DIFFERENTLY: A TWO-DIMENSIONAL VIDEO RUNNING ANALYSIS	Yukiko Matsuzaki, PT, DPT, OCS, SCS	Injury prevention/ Motion Analysis
58	RELIABILITY OF TWO-DIMENSIONAL VIDEO-BASED ANALYSIS IN ADOLESCENT RUNNERS	Yukiko Matsuzaki, PT, DPT, OCS, SCS	Injury prevention/ Motion Analysis
59	45° FLEXION ANTEROPOSTERIOR ELBOW RADIOGRAPHS IMPROVE DIAGNOSTIC ACCURACY OF CAPITELLUM OSTEOCHONDritis DISSECANS	Michael Saper, DO, ATC, CSCS	OCD
60	CLINICAL OUTCOMES OF OPERATIVE MANAGEMENT OF CAPITELLAR OSTEOCHONDritis DISSECANS IN ADOLESCENT ATHLETES	Richard M. Michelin, D.O.	OCD
61	COMPLICATIONS OF ARTHROSCOPIC DRILLING IN THE TREATMENT OF OSTEOCHONDritis DISSECANS OF THE KNEE IN CHILDREN AND ADOLESCENTS	Soroush Baghdadi, MD	OCD
62	PREVALENCE AND CLINICAL FEATURES OF BILATERAL OSTEOCHONDritis DISSECANS (OCD) OF THE KNEE IN PEDIATRIC AND ADOLESCENT PATIENTS PRESENTING WITH UNILATERAL SYMPTOMS	Joseph Yellin, MD	OCD
63	GENDER PREFERENCES OF YOUTH ATHLETES FOR THEIR SPORTS MEDICINE PROVIDERS: A SYSTEMATIC REVIEW	Jane Chung, MD	Female Athlete
64	PATELLOFEMORAL JOINT CARTILAGE RESTORATION WITH PARTICULATED JUVENILE ALLOGRAFT IN PATIENTS UNDER 21 YEARS OLD: POSTOPERATIVE MRI ANALYSIS AND RETURN TO SPORT RATES	Daniel W. Green, MD, MS, FACS	Patellofemoral
65	VARIATION IN TREATMENT APPROACHES TO ADOLESCENT MIDSHAFT CLAVICLE FRACTURES IN PEDIATRIC VERSUS ADULT HOSPITALS	Benton E. Heyworth, MD	Upper Extremity
66	CHANGES IN SUPERIOR DISPLACEMENT, ANGULATION, AND SHORTENING IN THE EARLY PHASE OF HEALING FOR COMPLETELY DISPLACED MIDSHAFT CLAVICLE FRACTURES IN ADOLESCENTS: RESULTS FROM A PROSPECTIVE, MULTICENTER STUDY	Andrew Pennock, MD	Upper Extremity





67	DIFFERENCES IN QUALITY OF LIFE, SLEEP, AND PHYSICAL ACTIVITY IN ADOLESCENT ATHLETES BEFORE AND DURING COVID-19	Mathew J. Wingerson, BA	Mental Wellness
68	BIOMECHANICAL SIMULATION OF RADIAL HEAD SUBLUXATION IN CADAVERIC PEDIATRIC ELBOWS	Molly C. Meadows, MD	Upper Extremity
69	DOES BRAIN ACTIVATION DURING FUNCTIONAL MOVEMENT TASKS DIFFERENTIATE BETWEEN GOOD AND BAD MOVERS? AN INTEGRATED NEUROIMAGING ASSESSMENT OF MOTOR CONTROL IN YOUNG ATHLETES	Manish Anand, PhD	Injury prevention/ Motion Analysis
70	COMMUNITY IMPACT FOR CLINICALLY INTEGRATED ATC PROGRAM IN A SPORTS MEDICINE PRACTICE	Laura Fleisher, Masters	Injury prevention/ Motion Analysis
71	SURGICAL TREATMENT OF OSGOOD-SCHLATTER DISEASE IN ADOLESCENT ATHLETES	Frederick Mun, B.S, B.A	Patellofemoral
72	DOES FEAR OF MOVEMENT ALTER BRAIN ACTIVITY? INVESTIGATING THE NEURAL MARKERS OF KINESIOPHOBIA IN PEDIATRIC PATIENTS WITH PATELLOFEMORAL PAIN	Jed A. Diekfuss, PhD	Injury prevention/ Motion Analysis
73	FACTORS THAT INFLUENCE PATIENTS' RECOMMENDATION OF ORTHOPAEDIC SURGEONS: AN ANALYSIS OF A POPULAR ONLINE RATING WEBSITE	Ashok Para, MD	Injury prevention/ Motion Analysis
74	PEDIATRIC SPORTS INJURY EPIDEMIOLOGY DURING COVID-19 PANDEMIC	Mitchell A. Johnson, BSE	Injury prevention/ Motion Analysis
75	ARE SPORTS INJURIES THE MOST COMMON CAUSE OF MOREL-LAVALLEE LESIONS IN THE PEDIATRIC POPULATION?	Indranil Kushare, MD	Injury prevention/ Motion Analysis
76	VARIATION AMONG PEDIATRIC ORTHOPAEDIC SURGEONS WHEN TREATING TIBIAL TUBERCLE FRACTURES	Flo Edobor-Osula, MD, MPH	Patellofemoral
77	CLINICAL OUTCOMES AFTER MEDIAL PATELLOFEMORAL LIGAMENT RECONSTRUCTION UTILIZING ALLOGRAFT TISSUE IN PEDIATRIC AND ADOLESCENT PATIENTS: MINIMUM 2-YEAR FOLLOW-UP	Sachin Allahabadi, MD	Patellofemoral
78	ISOLATED MPFL RECONSTRUCTION VS. TIBIAL TUBERCLE OSTEOTOMY AND MEDIAL RETINACULAR PLICATION FOR RECURRENT PATELLAR INSTABILITY: A MATCHED, COHORT ANALYSIS OF CLINICAL OUTCOMES COMPARING TWO TECHNIQUES	Benton E. Heyworth, MD	Patellofemoral
79	RELIABILITY OF RADIOLOGIC ASSESSMENTS OF CLINICALLY RELEVANT GROWTH REMAINING IN KNEE MRIS OF CHILDREN AND ADOLESCENTS WITH PATELLOFEMORAL INSTABILITY	Shital Parikh, MD	Patellofemoral
80	THE EXTENT OF MEDIAL QUADRICEPS TENDON FEMORAL LIGAMENT (MQTFL) PATELLAR AND QUADRICEPS ATTACHMENT: A PEDIATRIC CADAVERIC STUDY	Tyler J. Stavinoha, MD	Patellofemoral
81	SURGICAL TREATMENT OF PATELLAR INSTABILITY IN ADOLESCENT DANCERS	Kianna D. Nunally, BA	Patellofemoral
82	MANAGEMENT OF FIRST-TIME PATELLAR DISLOCATION: A SURVEY OF PRISM MEMBERS	Shital Parikh, MD	Patellofemoral



83	THE IMPACT OF SOCIAL MEDIA USE ON SLEEP QUALITY AND PERFORMANCE AMONG COLLEGIATE ATHLETES	Rhonda A. Watkins, MD, MPH	Mental Wellness
84	SPORT SPECIALIZATION, ATHLETIC IDENTITY, AND COPING STRATEGIES IN YOUNG ATHLETES	Melissa A. Christino, MD, FAAOS	Sports Specialization
85	PEDIATRIC HEALTHCARE PROVIDER AWARENESS, CONFIDENCE, AND USE OF SPORTS SPECIALIZATION RECOMMENDATIONS AND APPLICATION TOWARDS YOUTH ATHLETE COUNSELING	Tamara C. Valovich McLeod, PhD, ATC, FNATA	Sports Specialization
86	PREVALENCE OF OVER THE COUNTER PAIN MEDICATION USE AMONG HIGH SCHOOL VOLLEYBALL PLAYERS	Pamela Lang, MD	Injury prevention/ Motion Analysis
87	EXPLORING PARENT-ATHLETE DYADS' PERCEPTIONS OF SPORTS SPECIALIZATION AND SPORT EXPERIENCES IN AN EARLY YOUTH COMMUNITY-BASED SPORT PROGRAM	Justin S. DiSanti, PhD	Sports Specialization
88	THE BENEFITS CONFERRED BY MULTI-SPORT PARTICIPATION MAY NOT INCLUDE IMPROVED FUNCTIONAL AND PSYCHOLOGICAL READINESS FOLLOWING INJURY	Craig Kemper, BBA	Sports Specialization
89	DIFFERENCES IN TRAINING, INJURY, AND OVERALL HEALTH OF YOUTH LONG-DISTANCE RUNNERS AMONG SPORT SPECIALIZATION LEVELS	Micah C. Garcia, MS	Sports Specialization
90	SPORTS SPECIALIZED YOUTH ATHLETES EXHIBIT LOWER RISK QUALITY OF MOTION THAN NON-SPECIALIZED ADOLESCENTS	Peter D. Fabricant, MD MPH	Sports Specialization
91	DOES GEOGRAPHICAL REGION IMPACT PARENTS' PERCEPTIONS TOWARDS YOUTH SPORT SPECIALIZATION?	Amanda J. Arnold, PT, DPT, PhD	Sports Specialization
92	THE IMPACT OF SPORT SPECIALIZATION AND LEVEL OF COMPETITION ON TRAINING IN YOUNG ATHLETES DURING COVID-19	Connor M. Carpenter, BBA	Sports Specialization
93	PEDIATRIC HEALTHCARE PROVIDER KNOWLEDGE AND PERCEPTIONS OF SPORTS SPECIALIZATION	Traci Snedden, PhD, RN, CPNP	Sports Specialization
94	FEMORAL NECK BONE STRESS INJURIES IN CHILDREN AND ADOLESCENTS: A LITERATURE REVIEW AND META-ANALYSIS	Naomi Brown, MD	Hip Disorders
95	UNEVEN PLAYING FIELD: INSURANCE STATUS ADVERSELY AFFECTS CHILDREN WITH TIBIAL SPINE FRACTURES	Neeraj M. Patel, MD, MPH, MBS	Injury prevention/ Motion Analysis



## **8<sup>th</sup> Annual Meeting Instructional Courses**

### **Hamstring Injuries: Prevention, Treatment, and Recovery (LIVE!- Thursday, January 28 8-9pm CST)**

Jeffrey Shilt, MD.; David Taylor B.Physio(Hons) MHPS(Hons); Sarah Dobkins, MS, RD, CSSD, LD; Eric Dugan, PhD; Scott McKay, MD; Megan Graham, PT, DPT

1. Identify and Review Biomechanics of Hamstring Injuries
2. Identify and Review USOPC hamstring resilience and prevention program
3. Identify and Review treatment and rehabilitation of hamstring injuries

We will review the biomechanics of hamstring function and injury with a particular emphasis of findings in the motion analysis lab. We will then review the United States Olympic and Paralympic Committees hamstring resilience and prevention programs, and finally review the treatment and rehab of hamstring injuries. Treatment review will include both operative and non-operative treatment.

### **The PRISM Meniscus RIG Presents: A delve into the spectrum of diagnosis and treatment of Discoid Lateral Menisci in Children and Adolescents (On Demand)**

John Schlechter, DO; Mark Halstead, MD; Erica Schallert, MD; Jennifer Bray, MD; Jennifer, Beck, MD ; Nick Purcell, PT, DPT

1. Identify patient characteristics and physical examination findings that should influence their decision on when referral to an orthopedic surgeon is warranted.
2. Recognize whether through imaging and/or a thorough arthroscopic examination the pathoanatomy of a discoid meniscus as well as express knowledge of the classification of tear patterns commonly encountered.
3. Discuss the rationale for surgical treatment ranging from saucerization to meniscus repair / stabilization of peripheral rim instability and the principals of rehabilitation following surgery for a Discoid lateral meniscus.

The PRISM Meniscus RIG Presents: A delve into the spectrum of diagnosis and treatment of Discoid Lateral Menisci in Children and Adolescents. During this instructional course lecture by way of lecture and a case-based format a comprehensive overview of caring for the child and adolescent with a Discoid lateral meniscus will be presented. Topics discussed are to include clinical presentation, work-up, imaging, arthroscopic inspection, classification, advanced treatment strategies, tips, tricks and rehabilitation principles.



### **Return to Play Decision Making after ACL Reconstruction - State of the Art in 2021 (On Demand)**

Jonathan Riboh, MD; Mark Paterno, PhD DPT; Jack Magill, DPT; Christy Zwolski, DPT ; Dai Sugomoto, PhD ATC

1. Update attendees on cutting edge research guiding safe RTP
2. Provide hands-on advice to build a RTP algorithm at your institution
3. Emphasize cross-disciplinary strategies for ATC/PT/MD in RTP

This course is designed for all practitioners that interact with post-operative ACL patients: MDs, ATCs, and PTs. The primary goal of the course is to allow the provider to go back to their institution with a concrete plan for creation, implementation and ongoing monitoring of a RTP program with evidence-based algorithms and clear metrics for success. A combination of lectures and interactive sessions will explore state of the art research updates as well as boots-on-the-ground advice to overcome roadblocks and setbacks; all under the guidance of a multidisciplinary panel that will emphasize the importance of collaboration between professions and disciplines to achieve optimal outcomes.

### **Quality Improvement versus Research: What is the difference? (On Demand)**

Henry Ellis, MD; Jennifer Beck, MD; Kevin Shea, MD

1. To compare the differences in the methodologic development of research versus quality improvement projects
2. Discuss the use of registries for research or quality improvement
3. Review key components of a successful quality improvement project

Quality improvement projects are become of interest to investigators, in part, due to limited oversight and regulatory requirements put forth by research oversight committees. However, important distinctions between QI and research are necessary in order to ensure quality of investigation is maintained. Pediatric sports medicine investigators will be educated on how to distinguish between research and quality improvement and develop a model to determine which is best for their 'idea'.

### **Management Considerations for Tibial Bone Stress Injury (On Demand)**

Eric Nussbaum, MEd, LAT, ATC; Emily Kraus, MD; Adam Tenforde, MD; Eric Greenberg - DPT, PT, SCS, CSCS

1. Review current literature in order to formulate best recommendations
2. Interpret clinical exam, imaging and considerations for additional testing
3. Discuss rehabilitation strategies including gait evaluation and running

This course will review the best available evidence related to tibial bone stress injury, including contributing factors, clinical exam, imaging, and advanced testing when indicated. Also included will be a discussion of rehab considerations including gait evaluation and retraining in order to reduce bone stress injury in the future.



### **Return to Sport after Hip Preservation Surgery – a team-based approach (On Demand)**

Alfred Mansour, MD; Brian Duncan, PT; Emily Gardner, PT; Chris Slocum, CSCS; Chris Juneau, PT

1. Understand the role of the surgeon, therapist, and sports performance specialists in returning adolescent athletes back to sports after open and arthroscopic hip preservation
2. Learn common pitfalls witnessed during the return to sport process after hip preservation and strategies to navigate those hurdles.
3. Learn the similarities and differences in the return to sport process between open and arthroscopic hip preservation.

Management of the painful athletic hip poses several challenges to the sports clinician. When hip preservation surgery is undertaken as treatment, a long journey back to athletics begins. We propose that a team-based approach is the optimal way to successfully return the adolescent athlete to sport. The surgeon, therapists, trainers, and sports performance specialists each play a vital part in a successful return and a calculated collaborative approach will maximize the patient's outcome. We aim to focus on the post-operative management of the athletic hip in the context of open and arthroscopic hip preservation, emphasizing key differences in the recovery and return and additional considerations for the high-level athlete. Finally, we will discuss strength and conditioning principles specific to rehabilitation of the athletic hip to guide the clinician in late-stage programming for this unique population and guidelines on transitioning through each phase of progression.

### **Improving Care for Young Athletes through hospital partnerships and utilization of athletic trainers in middle school (On Demand)**

Jonathan Santana, DO; Ari Gladstein, MD; Ana Bull, MS LAT ATC; Marian Abowd, MS LAT ATC; Kristin Ernest, MD

1. Understand how to incorporate an athletic trainer in the middle school and high school setting
2. Describe the economical and educational benefits of partnering with a school district
3. Review barriers of providing sports medicine to a low socioeconomic area

The purpose of this course is to describe how Texas Children's Hospital is able to provide sports medicine care both on and off the field with local school districts of predominantly minority and low socioeconomic background. We will discuss the roles that our outreach athletic trainers play in providing care to the middle school and junior high school athletes. Explain the roles of both primary care sports medicine and orthopedic providers in this partnership. Understand the financial implications as well as the benefits of improved access to care it provides a lower socioeconomic community and their athletes. Our expectation is to show this model is beneficial to both the hospital and the community it serves and can be replicated in other communities.



### **Optimizing Athletic Performance through Wellness (On Demand)**

Corinna Franklin, MD; Katie Rizzone, MD, MPH; Cordelia Carter, MD; Melissa Christino, MD; Kyle Nagle, MD, MPH; Drew Watson, MD, MS

1. Review the epidemiology of sexual abuse and harassment in youth/adolescent athletics and discuss clinical diagnosis, setting up and utilizing best practices to help decrease future incidence
2. Identify and explore mindfulness strategies that can promote young athletes' well-being, improve performance, and reduce injuries
3. Discuss evidence-based recommendations for athletes' sleep, nutrition, and supplement use for performance, recovery, and injury prevention

This course details the interplay between an athlete's physical, mental, and emotional health and performance. Attendees will acquire a diverse set of skills and recommendations for athlete wellness.

### **Dual-Task Paradigms for Concussion Management: Translation from the Laboratory to Clinical Implementation (On Demand)**

Julie C. Wilson, MD; David R. Howell, PhD, ATC

1. Describe appropriate and practical methods to implement dual-task tandem gait testing as a part of usual care for diagnosis, prognosis, and recovery monitoring among adolescents with a concussion.
2. Explain the basic mechanisms underlying attentional and neuromuscular dual-task performance
3. Translate established lab research protocols into clinical tools for concussion assessment.

Concussion evaluations require a multimodal approach to fully assess the many effects that patients may experience following injury. Dual task gait evaluation is one of few tests capable of widespread implementation that is objective, provides relevant clinical information, and does not require large-scale time, personnel, or equipment resources. Furthermore, dual-task deficits may persist beyond clinical recovery and clinicians may allow athletes to return to sports despite incomplete recovery. Measuring dual-task function as a part of usual care can be performed in an easily-implemented manner, and may improve the ability to detect subtle neurological deficits and make more informed return-to-play decisions.



## Continuing Education

### Live to Enduring Learner Notification

**Pediatric Research in Sports Medicine  
PRISM 8th Annual Meeting**

**Date of CE Release: January 28, 2021**

**Date of CE Expiration: January 28, 2022**

**Online**

### **Acknowledgement of Financial Commercial Support**

No financial commercial support was received for this educational activity.

### **Acknowledgement of In-Kind Commercial Support**

No in-kind commercial support was received for this educational activity.

### **Satisfactory Completion**

Learners 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. 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.

### **Accreditation Statement**



JOINTLY ACCREDITED PROVIDER™  
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and Pediatric Research in Sports Medicine (PRISM). Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

### **Physicians (ACCME)**

Amedco LLC designates this live to enduring activity for a maximum of 24.75 live / 29.75 enduring *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### **Nurses (ANCC)**

Amedco LLC designates this activity for a maximum of 24.75 live / 29.75 enduring ANCC contact hours.

### **Board of Certification – Athletic Trainer**

Amedco LLC is accredited by the Board of Certification, Inc. to provide continuing education to Athletic Trainers – BOC AP# P10120 and designates this live activity for a maximum of 21.75 live / 26.75 enduring Category A hours/CEUs. ATs should claim only those hours actually spent in the educational program.



**New Jersey State Board of Physical Therapy Examiners**

This course has been submitted for review to the New Jersey State Board of Physical Therapy Examiners. Please check back for more information.

**Texas Physical Therapy Association**

PRISM 8th Annual Meeting has been approved for 21.75 live / 26.75 enduring continuing competence unit(s)(CCUs). Course Approval Number: 74382TX.

***States with reciprocity with Texas Physical Therapy Association: AL, AK, AZ, CT, DE, GA, HI, ID, IN, IA, KS, KY, LA, ME, MA, MI, MN, MO, MS, NE, NH, NC, ND, OR, RI, SC, SD, TN, UT, VT, VA, WA, WI, WY- updated 02/18***

**Objectives - After Attending This Program You Should Be Able To**

1. Discuss the diagnosis and multidisciplinary management of common pediatric and adolescent sports related injuries.
2. Explore clinical approaches to the injured athlete throughout their continuum of care.
3. Evaluate effective ways to improve patient care and reduce lifelong sequelae of sports injuries.

**Disclosure of Conflict of Interest**

The following table of disclosure information is provided to learners and contains the relevant financial relationships that each individual in a position to control the content disclosed to Amedco. All of these relationships were treated as a conflict of interest, and have been resolved. (C7 SCS 6.1—6.2, 6.5)

All individuals in a position to control the content of CE are listed below.

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Manish	Anand	NA
Aubrey	Armento	NA
Amanda	Arnold	NA
Soroush	Baghdadi	NA
David	Bazett-Jones	NA
Michael	Beasley	NA
Jennifer	Beck	NA
David	Bernholt	NA
Joel	Bervell	NA
Javier	besomi	NA





Joshua	Bram	NA
Naomi	Brown	NA
Lauren	Butler	NA
Jaclyn	Caccese	NA
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Charles	Chan	NA
Melissa	Christino	NA
Jane	Chung	NA
Monica	Coughlan	NA
Eileen	Crawford	NA
Allison	Crepeau	NA
Cody	Criss	NA
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Brody	Dawkins	NA
Clarabelle	DeVries	NA
Christopher	DiCesare	NA
Jed	Diekfuss	NA
Justin	DiSanti	NA
Andrew	Dobitsch	NA
Sarah	Dobkins	NA
Eric	Dugan	NA
Brian	Duncan	NA
Bianca	Edison	NA
Eric	Edmonds	Arthrex: Speakers Bureau
Folorunsho	Edobor-Osula	NA
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Ashley	Erdman	NA



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Pediatric Research in  
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**PRISM 8<sup>TH</sup> ANNUAL MEETING**

**JANUARY 28-30, 2021**

Kristin	Ernest	NA
Peter	Fabricant	NA
Andrew	Fancher	NA
Danielle	Farzanegan	NA
Michael	Fields	NA
Laura	Fleisher	NA
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Eric	Fornari	NA
Corinna	Franklin	NA
Caroline	Fryar	NA
Emily	Gale	NA
Micah	Garcia	NA
Emily	Gardner	NA
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Ari	Gladstein	NA
Jorge	Gomez	NA
Matthew	Grady	NA
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Eric	Greenberg	NA
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Dustin	Grooms	NA
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Mark	Halstead	NA
Gabriel	Hanna	NA
Katie	Harbacheck	NA
Kris	Haskin	NA
Mahad	Hassan	NA
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Benton	Heyworth	NA
Zachary	Hill	NA
Baxter	Holmes	NA
David	Howell	NA
Danielle	Hunt	NA
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Ebony	Jernigan	NA
Mitchell	Johnson	NA
Ben	Johnson	NA
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Michael	Karl	NA
Craig	Kemper	NA
Jennifer	Kieschnick	NA
Stephanie	Kliethermes	NA
Greggory	Kobelski	NA
David	Kolin	NA
Emily	Kraus	NA
Peter	Kriz	NA
INDRANIL	KUSHARE	NA
Pamela	Lang	NA
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Nicholas	Lemme	NA
Tomasina	Leska	NA
Anne	Leung	NA
Michael	Levidy	NA
EDUARDO	LINDSAY	NA



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Justin	Luis	NA
Samuel	Lyons	NA
James	MacDonald	NA
John	Magill	NA
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Timothy	McGuine	NA
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Mark	Pankow	NA
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Paul	Saluan	Arthrex: Speakers Bureau



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**JANUARY 28-30, 2021**



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Erica	Schallert	NA
JOHN	SCHLECHTER	Arthrex Inc.: Speakers Bureau
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Haley	Smith	NA
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Ally	Yang	NA
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