



**Boston
Children's
Hospital**

Until every child is well



**HARVARD MEDICAL SCHOOL
TEACHING HOSPITAL**

16TH Annual Sport-Related

CONCUSSION Conference

FOCUS ON THE
FEMALE ATHLETE

DAY 1 | May 9 | Joseph B. Martin Conference Center at Harvard Medical School
77 Avenue Louis Pasteur, Boston, MA

DAY 2 | May 10 | Boston Children's Hospital @ 1 Autumn Street
1 Autumn Street, Boston, MA

Learn more | bostonchildrens.org/concussion2019

*Early bird rates end 3/31/19. Register soon to save!

PINK CONCUSSIONS



About the course

The Sport-Related Concussion Conference at Boston Children's Hospital will return for its 16th consecutive year on **May 9-10, 2019**. This year's course will focus on the basic science and clinical management of sport-related concussion (SRC), highlighting the female athlete.

The interactive format of this course will engage participants and help to increase knowledge and skills needed to diagnose, treat and manage SRC through lectures, panel presentations, and Q&A sessions. There will be an additional, optional practical applications seminar on Friday morning to address relevant evaluation and management of SRC specifically for clinicians, nurses, athletic trainers, coaches, and school personnel who work with brain injured patients in any capacity.

We are excited to be partnering with PINK Concussions, a non-profit organization with a highly personal and urgent mission to improve the pre-injury education and post-injury medical care for women and girls challenged by brain injury including concussion incurred from sport, violence, accidents or military service. The PINK panel will feature women and girls who have experienced persistent concussion symptoms. These young women will share stories of their lived experiences, challenges, and impart advice providers can use when caring for young athletes affected by brain injuries.



Topics for 2019 include **initial clinical evaluation, biomechanics of injury, acute and chronic treatment**, as well as **relevant research regarding evaluation and treatment differences of head injuries in females**.

Course Directors

- Stefanie Hartman, RN, MS, CPNP
- Rebekah Mannix, MD, MPH
- Diane Sartanowicz, MS, LAT, ATC
- Rebecca Stevens, MSN, RN, CPNP
- Alex M. Taylor, PsyD

Target audience

The content of this course is designed to meet the needs of clinicians who care for or treat female athletes, including:

- › Primary Care Physicians
- › Neurology Specialists
- › Neuropsychologists
- › Psychologists
- › Physician Assistants
- › Nurse Practitioners
- › Nurses
- › School Nurses
- › Researchers (PhDs)
- › Physical Therapists
- › Athletic Trainers
- › Coaches and School Personnel
- › Emergency Medicine Technicians
- › Complementary and Alternative Medicine Practitioners

Objectives

Upon completion of the course, participants will be able to:

- › Assess the problems of sports-related concussion and develop strategies to evaluate and treat them effectively.
- › Understand the biological differences in the brain between the genders to develop.
- › Evaluate current practices related to concussion and determine new strategies, and when to refer your patients to an expert for a higher level of care.

Registration and refund policies

Attendees who register on or before March 31, 2019 will receive a **25% early bird** discount registration rate. Past attendees of the course are eligible to sign up with a 10% discount off of the full price fee. Groups of three or more who wish to attend the course are eligible for a group rate.

The practical applications seminar will take place on Friday, May 10, 2019. This is optional and open to all attendees of the course for an additional fee.

****Groups of 3 or more:** please contact the CME Department to register cmepartment@childrens.harvard.edu.

*****Practical Application Seminar will take place on Friday, May 10, 2019.** These sessions are optional and open to all attendees of the course. If you wish to attend the seminar on day 2 of the conference, please check the 'Day 2: practical applications seminar' box in addition to your registration fee at checkout.

Registration by check (draft on a United States bank): please make payable to Boston Children's Hospital and contact the CME Department at cmepartment@childrens.harvard.edu to discuss payment. Telephone or fax registration is not accepted. Registration with cash payment is not permitted. Upon receipt of your paid registration, an email confirmation from the Boston Children's office will be sent to you. Be sure to include an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation and certificate.

Fifty-percent (50%) refunds will be issued for all cancellations received prior to the start of the course. Refund requests must be received by postal mail, email or telephone. "No shows" are subject to the full course fee, and no refunds will be issued once the conference has started.

Accreditation

In support of improving patient care, Boston Children's Hospital 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

Boston Children's Hospital designates this live activity for a maximum of 11 *AMA PRA Category 1 Credits*[™]. Physicians should claim only credit commensurate with the extent of their participation in this activity.

Nurses

Boston Children's Hospital designates this activity for 11 contact hours for nurses. Nurse should only claim credit commensurate with the extent of their participation in the activity.

Physician Assistants

Boston Children's Hospital has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 11 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

Athletic Trainers

Boston Children's Hospital (BOC AP# P10089) is approved by the Board of Certification, Inc. to provide continuing education to Athletic Trainers. This program is eligible for a maximum of 11 EBP Category hours/CEUs. ATs should claim only those hours actually spent in the educational program.

Physical Therapists

The APTA of MA approves "16th Annual Sport-Related Concussion Conference: Focus on the Female Athlete" for 11 Continuing Education Hours.

Disclosure policy

Boston Children's Hospital adheres to all ACCME Essential Areas, Standards, and Policies. It is Boston Children's policy that those who have influenced the content of a CME activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that Boston Children's may identify and resolve any conflicts of interest prior to the activity. These disclosures will be provided in the activity materials along with disclosure of any commercial support received for the activity. Additionally, faculty members have been instructed to disclose any limitations of data and unlabeled or investigational uses of products during their presentations.



JOINTLY ACCREDITED PROVIDER[™]
INTERPROFESSIONAL CONTINUING EDUCATION

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Registration fee	Early Bird*	Regular rate**	Past Attendee rate
Physicians	\$206.25	\$275	\$247.50
Nurses	\$142.50	\$190	\$171
Trainees/Allied Health Professionals	\$157.50	\$210	\$189
Athletic Trainers/Physical Therapists	\$157.50	\$210	\$189
Coaches/Athletic Directors/Athletes/Families	\$118.12	\$157	\$141.75
Groups of 3 or more		\$155	
Practical Application Seminar (5/10/19)***	\$35	\$35	\$35

Schedule Day 1: Thursday, May 9, 2019

Joseph B. Martin Conference Center

- 7:30–8 a.m. **Breakfast and Registration**
- 8–8:15 a.m. **Welcome and Introductions**
- 8:15–9 a.m. **Sex Differences in Brain Structure**
Inga Koerte , MD, PhD
- 9–9:45 a.m. **Biomarkers and Concussions**
Rebekah Mannix, MD, MPH
- 9:45–10 a.m. **BREAK**
- 10–10:45 a.m. **Biomechanics of Injury in Women**
Kristy Arbogast , PhD
- 10:45–11:30 a.m. **Neuropsych Evaluation and Assessment**
Alex McLean Taylor, PsyD
- 11:30–11:45 a.m. **Q&A Panel Discussion**
- 11:45 a.m.–12:30 p.m. **LUNCH**
- 12:30–1:30 p.m. **Pink Panel**
A panel of women and girls who have suffered concussion with prolonged symptoms will discuss their experiences, challenges and what their providers did or did not do that made a difference.
- 1:30–2:15 p.m. **Sex Differences in Concussion Physiology, Symptoms and Response to Treatment**
John Leddy, MD, FACSM, FACP
- 2:15–2:30 p.m. **BREAK**
- 2:30–3:15 p.m. **Effects of Hormones on Recovery from Traumatic Brain Injury**
Jeffrey Bazarian, MD, MPH
- 3:15–4 p.m. **Seeing Concussion Through New Eyes**
Christina Master, MD, FAAP, CAQSM
- 4–4:15 p.m. **Q&A Panel Discussion**
- 4:15–4:30 p.m. **Closing Remarks**

Schedule Day 2: Friday, May 10, 2019

Boston Children's @ 1 Autumn Street

- 7:30–8 a.m. **Breakfast and Registration**
- DAY 2: OPTIONAL PRACTICAL WORKSHOPS**
- 8–9 a.m. **Vestibular Assessment and Management**
Jacob Brodsky, MD, FAAP
- 9–10 a.m. **Ocular Assessment and Management and Sex Differences**
Aparna Raghuram, OD, PhD
- 10–11 a.m. **Post-Concussion Physical Therapy**
Heather Molind, PT, DPT, PCS, ATC
Danielle Barnack, PT, DPT, PCS
- 11 a.m.–noon **Reporting of Symptoms and Sex Differences in Student Athletes**
Katherine Price Snedaker, LCSW





Department of Continuing Medical Education
300 Longwood Avenue, LM 7, Boston, MA 02115

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