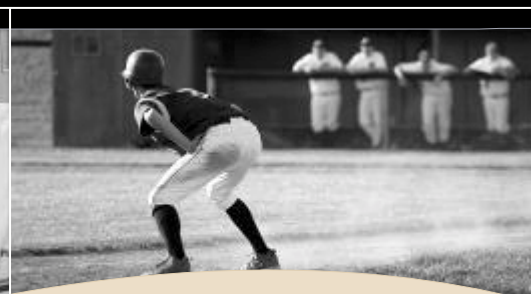




New Developments in
Sports-Related
Concussion Conference
July 24-25, 2008

PITTSBURGH, PA



Sponsored By:
UPMC Sports Medicine
and

Western Psychiatric Institute and Clinic

Course Directors:

Mark Lovell, PhD, ABPN

Micky Collins, PhD

Joseph Maroon, MD

New Developments in Sports-Related Concussion Conference

July 24-25, 2008

The Sheraton Station Square
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Course Description

Concussion as defined by the American Academy of Neurology is “a trauma-induced alteration in the mental status that may or may not involve loss of consciousness.” It is a brain injury caused by bumps or blows to the head that causes the brain to move rapidly inside the skull and disrupts the way the brain works. New knowledge on sport-related concussions has developed in recent years and athletic trainers and medical professional have had to rethink how they manage sport-related concussion. This conference features internationally recognized experts in concussion management and will focus specifically on new and innovative strategies for the evaluation and treatment of sports-related concussion. Participants will have an opportunity to gain and expand their knowledge regarding comprehensive management of sports-related concussion through didactic lectures, panel discussions, hands-on workshop and active dialog between faculty and participants will be encouraged.

Faculty Include:

Micky Collins, PhD

Mark Lovell, PhD

Joseph Maroon, MD

David Hovda, PhD

Barry Jordan, MD

Bob Cantu, MD

Chris Withnall, P. Eng

Melvin Field, MD

Gerry Gioia, PhD

Bill Ankrom, ATC & UPMC Staff

Ruben Echemendia, PhD

Julian Bailes, MD

Cara Camiolo Reddy, MD

Sean Learish, MPT

Stephen Russo, PhD

Gary Solomon, PhD

Vanessa Fazio, PhD

*The best way to prevent problems with concussion
is to manage them effectively when they occur.*



Target Audience

This course is designed for physicians, neurologists, psychologists, neuropsychologists, athletic trainers, physical therapists, coaches and all others who are involved in the evaluation and management of athletes sustaining concussion.

Objectives

Following completion of this program, participants should be able to:

- Classify biomechanical, neurometabolic and neurobehavioral aspects of concussion.
- Explain appropriate on-field concussion diagnostic and return-to-play protocols.
- Compare and contrast new brain imaging diagnostic techniques for the management of concussion.
- Analyze the role of the computerized neuropsychological testing in making return-to-play decisions.
- Assess current treatment options for sports-related concussion and post-concussion syndrome.
- Implement a concussion management program at the professional, college or high school level.



Accreditation

Physicians may self claim up to 14 hours of *AMA PRA Category 2 Credit™*

Psychologists : Western Psychiatric Institute and Clinic is approved by the **American Psychological Association** to offer continuing education for psychologists. Western Psychiatric Institute and Clinic maintains responsibility for this program and its content. This program is being offered for **14** continuing education credits.

Athletic Trainers: University of Pittsburgh is recognized by the **NATA Board of Education, Inc.** to offer continuing education for certified athletic trainers. This activity is eligible for up to 14 CEU's. Provider # P578.



Information on other continuing education *credits is pending for PT and OT.*

Call for Abstracts

This is a solicitation for posters to be presented at the 2008 NDSRC Conference. Abstracts for posters should be 250 words or less in length and provide a brief, clear summary of the research/project/program. Content should include timely and relevant topics related to all aspects of concussion. Abstract information must be completed by July 15, 2008 and be submitted electronically via the website: <http://ccehs.upmc.edu/formalCourses.jsp#1798>.

Call for Case Presentations

This is a solicitation for Concussion Cases to be presented by the clinician at the 2008 NDSRC Conference on Friday afternoon.

Cases should be submitted to:

Labiba Russo @ russolb@upmc.edu.

Cases will be reviewed by Course Directors and Faculty for approval.

7:20 - 7:30

Introduction and Overview

Sports-Related Concussion: An Evolution		
7:30 - 8:00 am	Sports Related Concussion- Defining the Clinical Syndrome	Micky Collins, PhD
8:00 – 8:30 am	New Advances in Clinical Neuroscience and Brain Imaging	Mark Lovell, PhD
8:30– 9:00am	Pathophysiology of MTBI	David Hovda, PhD
9:00 - 9:30 am	Genetic Influences and Concussion	Barry Jordan, MD
9:30 – 9:45 am	Break, Exhibits, and Posters	
9:45 – 10:15 am	Preventative Aspects of Sports Concussion	Bob Cantu, MD
10:15 – 10:45 am	New Advance in Biomechanical Research	Chris Withnall, P. Eng
10:45 – 11:00 am	Q and A Session with Speaker Panel	
11:00–11:15 am	Break, Exhibits and Posters	
From Basic Science to Clinical Diagnosis		
11:15 – 11:45 am	Are Children and Adults Different?	Melvin Field, MD
11:45 – 12:15 am	New Advances in Evaluation of the Child Athlete	Gerry Gioia, PhD
12:15 - 12:45 pm	On-Field Evaluation of Head and Spine Injuries	Bill Ankrom, ATC & UPMC Staff
12:45 - 1:00 pm	Q and A Session with Speaker Panel	
1:00 – 1:45 pm	Lunch, Exhibits and Posters	
High School, Collegiate, and Professional Athletes		
1:45 – 2:15 pm	New Advances in Concussion Management in High School Athletics Concussion and the Collegiate Athlete (FRIDAY @ 8:15 am)	Micky Collins, PhD
2:15 – 2:45 pm	Concussion Management in the Professional Athlete	Mark Lovell, PhD
2:45 - 3:15 pm	Are There Long-term Neuropathological Changes in Athletes	Julian Bailes, MD
3:15 – 3:30 pm	Q and A Session with Speaker Panel	
3:30 - 4:30 pm	Exhibits and Posters	
4:30 pm	Adjournment	
5:30 pm	Gateway Clipper Fleet to PNC Park @ Station Square	
7:05 pm	Pittsburgh Pirates vs. San Diego Padres: BY SUBSCRIPTION	PNC Park

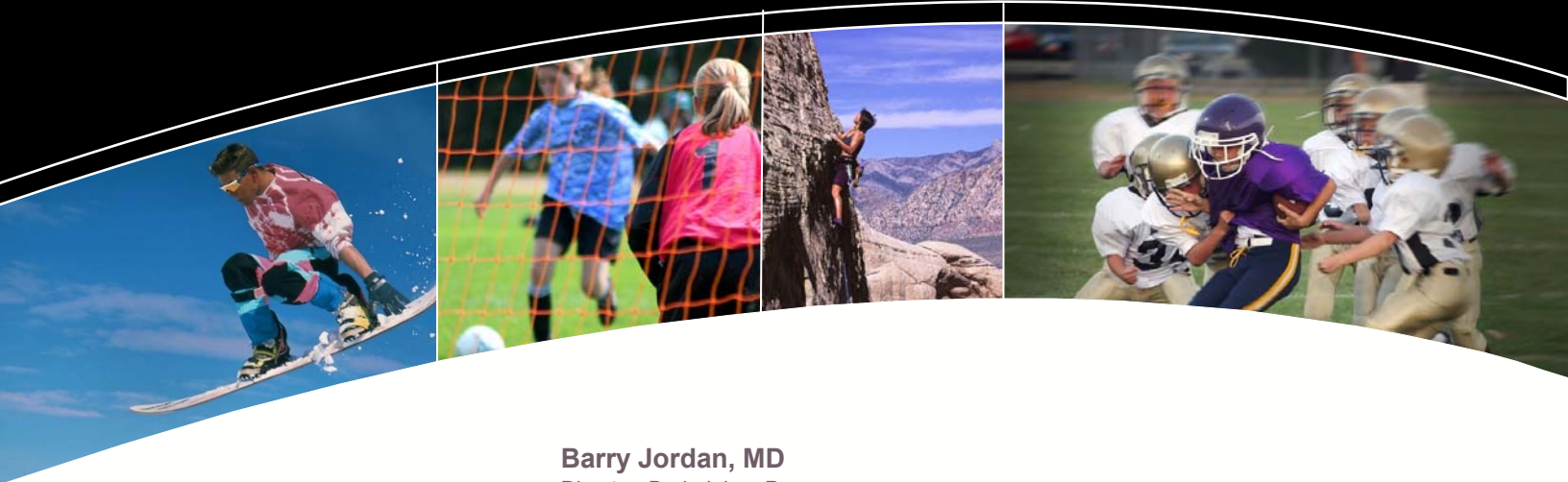
8:00 - 8:15am Opening Remarks

High School, Collegiate, and Professional Athletes, con't

8:15—8:45 am	Concussion and the Collegiate Athlete	Ruben Echemendia, PhD
Treatment and Rehabilitation		
8:45 – 9:15 am	Treatment of Sports Concussion: New Developments	Cara Camiolo Reddy, MD
9:15 – 9:45 am	Physical Therapy and Rehabilitation	Sean Learish, PT
9:45 – 10:15 am	Sport Psychology and Concussion	Stephen Russo, PhD
10:15 – 10:45 am	New Frontiers in Neuroprotection /Memory Enhancement	Joseph Maroon, MD
10:45 – 11:00 am	Q and A Session with Speaker Panel	
11:00 – 11:15 am	Break, Exhibits and Posters	
Neurocognitive Testing		
11:15 – 11:45 pm	Overview of Neurocognitive Testing in Sports	Gary Solomon, PhD
11:45 – 12:15 pm	Baseline Testing Recommendations	Vanessa Fazio, PhD
12:15 – 12:45 pm	Keys to Clinical Interpretation	Vanessa Fazio, PhD
12:45 – 1:00 p	Q and A Session with Speaker Panel	
1:00 – 1:45 pm	End of Formal Lectures Lunch, Exhibits and Posters	
Case Presentations & Open Forum		
1:45 – 3:15 pm	UPMC Sports Concussion Clinic Case Presentations and Open Forum Mark Lovell, PhD, Micky Collins, PhD, Jamie Pardini, PhD Vanessa Fazio, PhD, Alex Taylor, PsyD	
3:15 – 4:15 pm	Additional Case Studies: Presented by Attendees (Submit your case in advance to Labiba Russo) 5 MIN of Q & A after each case being presented	
4:15 pm	Closing Remarks & Adjournment	

**THE PROGRAM SCHEDULE
IS SUBJECT TO CHANGES.**





Faculty:

(Directors followed by Presenters in Order of Presentation)

Micky Collins, PhD

Assistant Director
UPMC Sports Medicine Concussion Program
Assistant Professor of Orthopedic Surgery
Pittsburgh, PA

Mark Lovell, PhD

Director, UPMC Sports Medicine Concussion Program
Associate Professor of Orthopedic Surgery
Consultant, NFL Committee on Mild Traumatic Brain Injury
Consultant, NHL Neuropsychology Program
Consultant, Major League Soccer
Consultant, USA Ski and Snow Board Team
Pittsburgh, PA

Joseph Maroon, MD

Professor, Department of Neurological Surgery
University of Pittsburgh Medical Center
Clinical Professor of Orthopedic Surgery
Heindl Scholar
Team Neurosurgeon, The Pittsburgh Steelers Football Club
Pittsburgh, PA

David Hovda, PhD

Director, UCLA Brain Injury Research Center
Professor, Departments of Neurosurgery and of Molecular and Medical Pharmacology
David Geffen School of Medicine at UCLA
Los Angeles, CA

Barry Jordan, MD

Director, Brain Injury Program
Director, Memory Evaluation and Treatment Service
Attending Neurologist
The Burke Rehabilitation Hospital
White Plains, NY

Bob Cantu, MD

Department Chair, Surgery
Service Chief, Neurosurgery
Chairman, Sports Medicine Committee
Emerson Hospital
Concord, MA

Chris Withnall, P. Eng

Senior Engineer - Sports Biomechanics
Biokinetics and Associates Ltd
Ontario, Canada

Melvin Field, MD

Neurosurgeon & Researcher
Orlando Neurosurgery
Orlando, FL

Gerry Gioia, PhD

Director, Division of Pediatric Neuropsychology
Director, Safe Concussion Outcome, Recovery & Education (SCORE) Program
Children's National Medical Center
Associate Professor, Depts of Pediatrics and Psychiatry
George Washington University School of Medicine
Rockville, MD

Bill Ankrom, ATC and UPMC Staff

Manager, Athletic Training and Development
UPMC Sports Medicine Center
Pittsburgh, PA

Julian Bailes, MD

Professor and Chairman, Neurosurgery
West Virginia University
West Virginia University Hospitals
Morgantown, WV

Ruben Echemendia, PhD

President and Fellow
National Academy of Neuropsychology
Director, NHL Neuropsychological Testing Program
Consultant, U.S. Soccer National Teams
State College, PA

Cara Camiolo Reddy, MD

Assistant Professor of Physical Medicine and Rehabilitation
Associate Residency Program Director
Director of Medical Student Education
Department
Pittsburgh, PA

Sean Learish, MPT

Assistant Director of Physical Therapy
CRS/ UPMC Center for Sports Medicine
Pittsburgh, PA

Stephen Russo, PhD

Assistant Professor
Center for Psychological Studies
Director of Sport Psychology
Health Professions Division
Nova Southeastern University
Ft. Lauderdale, FL

Gary Solomon, PhD, ABPN

Psychiatric Consultants, P.C.
Team Neuropsychologist, Nashville Predators
Consulting Neuropsychologist, Tennessee Titans
Assistant Clinical Professor of Psychiatry,
Vanderbilt University School of Medicine
Nashville, TN

Vanessa Fazio, PhD

Post Doctoral Neuropsychology Fellow
UPMC Sports Medicine Concussion Program
Pittsburgh, PA



Course Directors

Mark R. Lovell, PhD, ABPN

Director, UPMC Sports Medicine Concussion Program
Associate Professor of Orthopedic Surgery
Consultant, NFL and NHL Neuropsychology Programs
Consultant, IRL, F1 Racing
Consultant Major League Soccer and the US Ski Team

Michael W. Collins, PhD

Assistant Director
UPMC Sports Medicine Concussion Program
Assistant Professor of Orthopedic Surgery

Joseph C. Maroon, MD

Professor, Department of Neurological Surgery
University of Pittsburgh Medical Center
Clinical Professor of Orthopedic Surgery
Heindl Scholar
Team Neurosurgeon, Pittsburgh Steelers Football Club

Faculty Disclosure

In accordance with Accreditation Council for Continuing Medical Education requirements on disclosure, information about relationships of presenters with commercial interests (if any) will be included in materials distributed at the time of the conference.

Airport Transportation

When you arrive at Pittsburgh International Airport, you may make individual arrangements by asking for the Airlines Transportation Company which provides shuttle service to the Sheraton Station Square Hotel in Pittsburgh. The cost is approximately \$16, one way. For your return from the hotel to the airport, the hotel bell captain can assist you with schedules for your return to the airport.

Meeting Location

The Sheraton Station Square Hotel is located at 300 W Station Square Dr, Pittsburgh, Pennsylvania 15219, United States. The hotel contact information is: Phone: (412) 261-2000 or Toll-free in the United States is 1-(800) 328-6242 or online at

<http://www.starwoodhotels.com/sheraton>

Parking is on your own and available at and near the hotel.

Overnight Accommodations at Conference Site

A block of rooms is being held at the Sheraton Station Square Hotel however your room reservations must be received by June 20, 2008. After this cut-off date, reservations will be accepted on an availability basis only and at a higher rate. Overnight accommodations are the responsibility of the participant. Call the Sheraton Station Square Hotel directly at 412-261-2000 or 800-328-624 Toll-free in the United States is 1-(800) 328-6242. The group reference name is "UPMC SPORTS RELATED CONCUSSION CONFERENCE". The

Overnight Accommodations at Nearby Hotels

Hilton Pittsburgh and Towers \$169 MENTION: UPMC—New Developments in Sports Related Concussion Conference for the discount

600 Commonwealth Place, Pittsburgh, PA 15222

Call 800-HILTONS or 412-391-4600

Holiday Inn Express Hotel & Suites Pittsburgh South Side starting from \$149

20 South Tenth Street, Pittsburgh, PA 15203

Call 412-488-1130

Renaissance Pittsburgh (near PNC Park) starting from \$179

107 Sixth Street, Pittsburgh, PA 15222

Call 412-562-1200

Registration Information

Registering online is the quickest and easiest way to reserve your space at CCEHS conferences. Visit our online registration

site at [https://ccehs.upmc.edu/](https://ccehs.upmc.edu/formalCourses.jsp#1798)

[formalCourses.jsp#1798](https://ccehs.upmc.edu/formalCourses.jsp#1798)

Click the Registration button and enter all the requested information. After registering, an electronic confirmation will be sent to the email address you provided us when you registered.

Please note: Registration is not complete until you receive the confirmation letter / email for your pre-registration. If you do not receive this letter within 5-7 days of registration, please contact us at (412) 647-8232.

You must bring your confirmation with you to the conference.

Refund Policy

Registration fees will be refunded minus a cancellation fee of \$150 until June 30, 2008.

All cancellations must be in writing and sent to us via U.S. mail, e-mail or fax. No refunds will be made on or after July 1, 2008.

Registration Fees

\$350 Physicians

\$250 Residents, nurses, and other healthcare professionals

\$175 Athletic Trainers, Nurses

Optional Pittsburgh Pirates Baseball Game

Pittsburgh Pirates vs. San Diego Padres

July 24, 2008 @ 7:05 pm

Tickets: \$27 each

Conference Contact

for cancellation requests or registrations by mail or fax

Krystal Moore

UPMC / CCEHS

Medical Arts Building, Suite 220

200 Lothrop Street

Pittsburgh, PA

Fax: 412-647-8222

Email: CCEHS@upmc.edu

Special Needs

Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service.

Please notify us of your needs at least two weeks in advance of the program by calling 412-647-8232.

The UPMC/Center for Continuing Education in the Health Sciences reserves the right to cancel this program if sufficient registrations are not received. In the case of cancellation, the department will fully refund registration fees. However, other costs incurred by the registrant, such as airline or hotel penalties, are the responsibility of the registrant.

For Additional Information Contact:

Conference Contact for cancellation requests or registrations by mail or fax

Tricina Cash

UPMC / CCEHS

Medical Arts Building, Suite 220200 Lothrop Street, Pittsburgh, PA

Phone: 412-647-8255 or 412-647-8232, Fax: 412-647-8222, Email: CCEHS@upmc.edu

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