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Boston University School of Medicine
Continuing Medical Education

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72 East Concord Street, A 410
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2010 HEAD TRAUMA AND THE ATHLETE

October 1, 2010

The Conference Center at Waltham Woods, Waltham, MA

PLEASE POST

Boston University School of Medicine Continuing Medical Education



2010 HEAD TRAUMA & THE ATHLETE

October 1, 2010 • Waltham, MA



In conjunction with

The Center for the Study of Traumatic Encephalopathy
Boston University School of Medicine Department of Neurosurgery
Brain Injury Association of Massachusetts
Sports Legacy Institute



ACCREDITATION

TARGET AUDIENCE

Physicians, certified athletic trainers, physical therapists, coaches, EMTs and all healthcare providers interested in the care and treatment of concussions

OBJECTIVES

At the conclusion of this conference, participants will be able to:

- Describe the biomechanics of concussion
- Explain the current knowledge of chronic traumatic encephalopathy, including the neuropathology and clinical research findings
- Outline the management of concussion, including pediatric, on-field, and office-based settings

PROGRAM OVERVIEW

This conference will provide state of the art knowledge for health care providers, athletic trainers, and others, by providing a balanced mix of diagnostic, prevention, and intervention topics in the field of sports-related head trauma. We will feature detailed presentations from CSTE researchers whose work on Chronic Traumatic Encephalopathy has recently been featured on *60 Minutes*, HBO, *Time Magazine*, *The New Yorker*, the *New York Times*, and many other media outlets.

ACCREDITATION

Boston University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Boston University School of Medicine designates this educational activity for a maximum of **7 AMA PRA Category 1 Credit(s)**[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Boston University School of Medicine is recognized by the Board of Certification, Inc. to offer continuing education for Certified Athletic Trainers.

Commonwealth Educational Seminars (CES) is approved by the American Psychological Association to offer Continuing Education for Psychologists. Psychologists attending this program receive 7 Continuing Education Hours credit. CES maintains responsibility for these programs.

LOCATION

The Conference Center at Waltham Woods

860 Winter Street, Waltham, MA

Phone: (781) 434-7499

Website: www.conferencecenteratwalthamwoods.com

SUBSTITUTION/CANCELLATION POLICY

Substitution may be made at any time without an additional charge. Refunds will be issued for all cancellations received at least two weeks prior to the start of the conference. Should cancellation occur less than two weeks prior to the start of the conference, a credit towards another Boston University School of Medicine conference will be issued, not a refund. A \$50.00 administrative fee will be charged for all refunds and credits. "No shows" are subject to the full course fee. Cancellations/substitutions must be made in writing. Refunds and credits will not be issued once the conference has started. This course is subject to change and/or cancellation.

DIETARY NEEDS/SPECIAL SERVICES

To request reasonable accommodations for disabilities, please notify the Office of Continuing Medical Education, in writing, at least two weeks prior to the start of the conference. The Office of Continuing Medical Education will work to accommodate dietary requests (including, but not limited to: vegetarian, kosher, low-cholesterol, and low-sodium) received in writing at least two weeks prior to the start of the conference.

- 7:15am** *Registration and Breakfast*
- 8:00am** **Welcoming Remarks**
Robert C. Cantu, MA, MD, FACS, FACSM and Robert A. Stern, PhD
- 8:15am** **Pathophysiology and Biomechanics of Concussion**
Lawrence S. Chin, MD, FACS
- 8:45am** **Concussive and Subconcussive Trauma in Football: Lessons from Helmet Sensors**
Richard Greenwald, PhD
- 9:15am** **Long-Term Effects of Repetitive Concussive and Subconcussive Brain Trauma: Chronic Traumatic Encephalopathy (CTE)**
Ann C. McKee, MD and Robert A. Stern, PhD
- 10:15am** *Break*
- 10:30am** **New Recommendations from Sports Legacy Institute to Improve the Safety of Football**
Christopher Nowinski
- 11:00am** **Concussion Initiatives from the NFL and National Governing Bodies**
Robert C. Cantu, MA, MD, FACS, FACSM
- 11:30am** **PANEL DISCUSSION**
Robert C. Cantu, MA, MD, FACS, FACSM; Lawrence S. Chin, MD, FACS; Richard Greenwald, PhD; Ann C. McKee, MD; Christopher Nowinski; Robert A. Stern, PhD
- 12:15pm** *Lunch*
- 1:15pm** **KEYNOTE: My Experiences with Concussion**
Don Hasselbeck
- 2:00pm** **Youth Concussion Management**
Gerard Gioia, PhD
- 2:30pm** **On the Field Management of Concussion**
Stephen Bushee, ATC and Pierre A. d'Hemecourt, MD
- 3:00pm** **Clinical Management of Concussion**
William P. Meehan, III, PhD
- 3:30pm** **Panel Discussion**
Stephen Bushee, ATC; Pierre A. d'Hemecourt, MD; Gerard Gioia, PhD; William P. Meehan, III, MD
- 4:00pm** **Closing Remarks**
Robert C. Cantu, MA, MD, FACS, FACSM and Robert A. Stern, PhD
- 4:15pm** *Adjourn*

COURSE CO-DIRECTORS

Robert C. Cantu, MA, MD, FACS, FACSM
Clinical Professor of Neurosurgery, Boston University School of Medicine
Co-Director, Center for the Study of Traumatic Encephalopathy, Boston University School of Medicine
Chairman, Department of Surgery, Emerson Hospital
Chief, Neurosurgery Service, Emerson Hospital
Director, Service of Sports Medicine, Emerson Hospital
Medical Director, National Center for Catastrophic Sports Injury Research
Adjunct Professor, Department of Exercise and Sport Science, University of North Carolina at Chapel Hill

Robert A. Stern, PhD
Associate Professor of Neurology, Boston University School of Medicine
Co-Director, Center for the Study of Traumatic Encephalopathy, Boston University School of Medicine
Co-Director, Alzheimer's Disease Clinical and Research Program, Boston University School of Medicine
Director, Clinical Core, Boston University Alzheimer's Disease Center

COURSE STEERING COMMITTEE

Lawrence S. Chin, MD, FACS
Professor and Chair, Dept. of Neurosurgery, Boston University School of Medicine
Neurosurgeon-in-Chief, Boston Medical Center

Ann C. McKee, MD
Associate Professor of Neurology and Pathology, Boston University School of Medicine
Co-Director, Center for the Study of Traumatic Encephalopathy, Boston University School of Medicine
Director, VISN-1 Neuropathology, New England Veterans Administration Medical Centers
Director, Brain Banks of the Center for the Study of Traumatic Encephalopathy, Alzheimer's Disease Center, Framingham Heart Study, and the Centenarian Study, Boston University School of Medicine

Christopher Nowinski
Co-Director, Center for the Study of Traumatic Encephalopathy, Boston University School of Medicine
President and CEO, Sports Legacy Institute

FACULTY

Stephen Bushee, ATC
Assistant Athletic Director - Sports Medicine, Boston College

Pierre A. d'Hemecourt, MD
Director, Primary Care Sports Medicine Fellowship, Children's Hospital Boston

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

Richard Greenwald, PhD
President, Simbex
Associate Professor (Adjunct), Thayer School of Engineering, Dartmouth College
Research Affiliate, Dept of Aeronautics and Astronautics, Massachusetts Institute of Technology

Don Hasselbeck
Director, NFL Sports Marketing, Reebok International, LTD
Former professional American football tight end, National Football League (New England Patriots, Los Angeles Raiders, Minnesota Vikings, and New York Giants; 1977 - 1985)

William P. Meehan, III, MD
Director, Sports Concussion Clinic, Division of Sports Medicine, Children's Hospital Boston
Attending Physician, Division of Emergency Medicine, Children's Hospital Boston
Instructor of Pediatrics and Orthopedics, Harvard Medical School

DISCLOSURE POLICY

Boston University School of Medicine asks all individuals involved in the development and presentation of Continuing Medical Education (CME) activities to disclose all relationships with commercial interests. This information is disclosed to CME activity participants. Boston University School of Medicine has procedures to resolve any apparent conflicts of interest. In addition, faculty members are asked to disclose when any unapproved use of pharmaceuticals and/or devices is being discussed. Disclosure information will be available on site in the printed conference materials.

2010 HEAD TRAUMA AND THE ATHLETE

Name: _____

Degree: _____ Specialty: _____

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Phone: _____ Fax: _____

E-mail: _____

Emergency Contact Name: _____

Emergency Contact Phone: _____

Check here if you do NOT want to be added to the BUSM CME e-mail list.

Check here if you do NOT want to be included on the conference participant list.

Tuition:	Group Rates:
MD: <input type="checkbox"/> \$195	3 or more physicians from the same practice/company \$145 each
Other: <input type="checkbox"/> \$145	3 or more non-physicians from the same practice/company \$125 each

If you plan to take advantage of a group rate, please call (617) 638-4605 with the registration information for the additional participants.

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Core Competencies

This activity has been developed with consideration given to the American Board of Specialties Six Core Competencies. This activity will increase your competency in the areas of Patient Care, Medical Knowledge, System-Based Practice, and Practice-Based Learning and Improvement.