



A New Era of Scientific Collaboration

**NCAA-U.S. Department of Defense
Grand Alliance Concussion Conference
Seventh Annual • April 10, 2025**



**SPORT SCIENCE
INSTITUTE™**



BIG

Presented in partnership with
the Big Ten Conference and the
University of Michigan Concussion Center.

M
CONCUSSION CENTER
UNIVERSITY OF MICHIGAN

Conference Description

In partnership with the Big Ten Conference and the University of Michigan, the NCAA Sport Science Institute invites you to save the date for the Seventh Annual NCAA-U.S. Department of Defense Grand Alliance Concussion Conference: A New Era of Scientific Collaboration that will occur virtually on Thursday, April 10.

During the day-long event, concussion experts and researchers will share preliminary and recently publicized data from the NCAA-U.S. Department of Defense Grand Alliance, the largest longitudinal clinical and advanced research study to investigate concussion and head impact exposure. Participants will hear from key concussion studies including the CARE Consortium, the NCAA one-year study, TRACK-TBI and NFL LONG studies.

Target Audience

The purpose of this virtual conference is to provide a platform to present and discuss emerging information and policy implications from the NCAA-DoD Grand Alliance. The virtual conference site can host up to 1,000 athletic trainers, team physicians, sports medicine clinicians and athletic health care administrators from NCAA member schools, DoD operational and medical treatment facility providers and other key stakeholders who oversee and manage sport-related concussion and repetitive head impact exposures.

Conference Date and Time

Thursday, April 10, 2025

10 a.m.-5:05 p.m. Eastern time

Course Learning Objectives

- ▶ Describe the public health and safety implications of concussion and repetitive head impact exposures in sport and in the military.
- ▶ Describe the knowledge gaps in concussion and repetitive head impact exposure.
- ▶ Explain the rationale for developing the NCAA-DoD Grand Alliance, which includes the largest, prospective, longitudinal clinical and advanced research study ever conducted in the history of concussion and repetitive head impact exposure.
- ▶ Identify and understand emerging clinical and advanced research developments from the NCAA-DoD Concussion Assessment, Research and Education Consortium.
- ▶ Discuss policy, program and practice implications from emerging concussion and repetitive head impact exposure results.
- ▶ Discuss how science can transform policy and societal views on concussion and repetitive head impacts.

CME

Accreditation Council for Continuing Medical Education (ACCME)

Purpose: Participants will be able to appropriately identify, diagnose and manage treatment of concussions.

The University of Michigan Medical School is accredited by the ACCME to provide continuing medical education for physicians.

Credit Statement

The University of Michigan Medical School designates this live internet activity for a maximum of *6.25 AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Board of Certification (BOC) for the Athletic Trainer



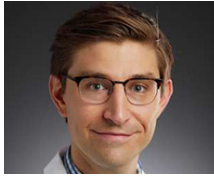
The University of Michigan Athletic Department (BOC AP# P8320) is approved by the Board of Certification, Inc. to provide continuing education to Athletic Trainers. This program is eligible for a maximum of 6.25 Category A hours/CEUs. ATs should claim only those hours actually spent in the educational program. For more information, please refer to [BOC Maintain Certification, Category A](#).

PRESENTERS



Adrian Boltz

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Datalys Center



Benjamin Brett

Clinical Neuropsychologist
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Steven Broglio

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Ken Cameron

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Deena Casiero

Chief Medical Officer, NCAA



Shawn Eagle

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Ruben Echemendia

Co-Chair of National Hockey
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Program; Consulting
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Kevin Guskiewicz

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Kathy Lee

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Function Across the Lifespan:
A LONGitudinal, Translational
Study for Former NFL Players



Allyssa Memmini

Licensed Athletic Trainer
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Lindsay Nelson

Clinical Neuropsychologist,
Professor of Neurosurgery
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of Neurosurgery, Medical
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Santa Ono

President, University
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Katharine Seagly

Associate Professor,
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Neuropsychologist; Director
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Reid Syrydiuk

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Eleanna Varangis

Assistant Professor,
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Concussion Center and
School of Kinesiology,
University of Michigan



Phil Veliz

Associate Research
Professor, University of
Michigan School of Nursing

AGENDA

10 to 10:10 a.m.

Welcome and introduction.

President Santa J. Ono, University of Michigan

Steven Broglio, Director, University of Michigan Concussion Center

10:10 to 10:30 a.m.

Conference welcome/overview.

Deena Casiero and Kathy Lee

10:30 a.m. to 11:40 a.m.

Part 1: Findings from the Concussion Assessment, Research and Education (CARE) Consortium.

Influence of Lifetime Concussion History and Sport Exposure Across Clinical Measures During a Collegiate Athletic Career. (:15)

Alyssa Memmini

Head Impact Exposure and Health Outcomes in Former NCAA Athletes: Findings from the Concussion Assessment, Research and Education Consortium Study. (:15)

Adrian Boltz

The Cumulative Effects of a Collegiate Athletic Career on Self-Reported Health: Findings from the CARE Consortium. (:15)

Reid Syrydiuk

History of Contact Sports Participation and Incident Concussion During Combative Training Activities Among Military Service Academy Cadets. (:15)

Ken Cameron

Discussion. (:10)

11:40 to 11:45 a.m.

Break.

11:45 a.m. to 12:45 p.m.

Part 2: The NCAA 15-year Study.

The NCAA Concussion Study: Past to Current Progress. (:12)

Kevin Guskiewicz

NCAA 15-Year Study: Research Design, Objectives and Cohort. (:12)

Michael McCrea

Long-Term Subtle Clinical and Biological Alterations, Characterizing RHI Exposure, and Importance of Non-Head Injury Factors: Critical Lessons Learned from the NCAA-15 Cohort. (:25)

Benjamin Brett

Discussion. (:10)

12:45 to 1:15 p.m.

Lunch.

1:15 to 2:25 p.m.

Part 3: Outcomes from the TRACK-TBI Study.

TRACK-TBI: A 15 Year Journey to Transform Research and Clinical Knowledge in TBI. (:15)

Geoff Manley

Recovery of Symptoms, Function and Quality of Life 1-5 Years

After Traumatic Brain Injury. (:15)

Lindsay Nelson

Long-Term Outcomes Across the Spectrum of Traumatic Brain Injury:

Patterns of Change and Influential Factors. (:15)

Brett

AGENDA

1:15 to 2:25 p.m. (cont'd)

Risk Factors for Long-Term Adverse Psychiatric Outcomes 1-7 Years After Traumatic Brain Injury. (:15)
Shawn Eagle
Discussion. (:10)

2:25 to 2:30 p.m.

Break.

2:30 to 3:55 p.m.

Part 4: The NFL Long Study.

History of the NFL-LONG Cohort and Early Study Findings. (:15)
Guskiewicz
Neurobehavioral Health of Former NFL Players. (:15)
McCrea
The Long-Term Health-Related Quality of Life of Former NFL Players. (:15)
Ruben Echemendia
Modifiable Risk Factors in Mitigating Adverse Outcomes in Older NFL Players. (:15)
Brett
Potential Future Therapies for Long-Term Neurological Health of Former NFL Players from the Basic Science Lab. (:15)
Bill Meehan
Discussion. (:10)

3:55 to 4 p.m.

Break.

4 to 5 p.m.

Part 5: Emerging Research from the University of Michigan Concussion Conference.

Influence of concussion and collision sport history on self-reported substance use later in life: Results from the U-M Alumni Brain Health Study. (:15)
JT Eckner, Katharine Seagly and Phil Veliz
The effects of sport participation on cognitive development in childhood – evidence from large longitudinal and cross-sectional samples. (:15)
Eleanna Varangis
Spatial Navigation for Cognitive Rehabilitation after Traumatic Brain Injury. (:15)
Jonny Lifshitz
Network Analysis of Structural MRI in TBI: Preliminary Findings from the ENIGMA Military Working Group. (:15)
James Shih

5 to 5:05 p.m.

Concluding remarks.

Casiero

Questions?

If you have any questions, please contact
the NCAA Sport Science Institute at ssi@ncaa.org.



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