



A New Era of Scientific Collaboration

**NCAA-U.S. Department of Defense
Grand Alliance Concussion Conference
Sixth Annual • April 24, 2024**



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

Conference Description

In partnership with the Big Ten Conference and the University of Michigan Concussion Center, the NCAA Sport Science Institute invites you to attend the Sixth Annual NCAA-U.S. Department of Defense Grand Alliance Concussion Conference: A New Era of Scientific Collaboration, which will occur virtually on Wednesday, April 24.

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.

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 and other key stakeholders who oversee and manage sport-related concussion and repetitive head impacts.

Conference Date and Time

Wednesday, April 24, 2024
10 a.m.-5 p.m. Eastern time

Course Learning Objectives

- ▶ Describe the public health and safety implications of concussion and repetitive head impacts 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 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.
- ▶ Implement evidence-based interventions for concussion and head impact risk reduction in the clinical setting.

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

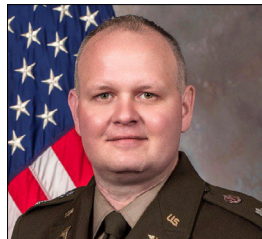


The University of Michigan Athletic Department (BOC AP# P8320) is approved by the Board of Certification, Inc. to provide continuing education to Athletic Trainers. This program is eligible for a maximum of 6.25 Category A hours/CEUs. ATs should claim only those hours actually spent in the educational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

PRESENTERS



Charlie Baker
President, NCAA



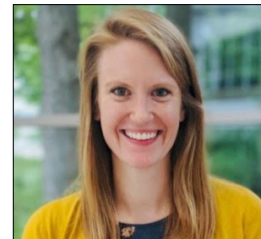
Bradley Dengler
Lieutenant Colonel, Medical Corps,
United States Army



Ruben Echemendia
President, Concussion
in Sport Group



James T. Eckner
Associate Professor, Department
of PM&R, Director of Clinical
Research, Michigan NeuroSport,
PM&R Concussion Program,
Associate Director, Research,
Michigan Concussion Center,
University of Michigan



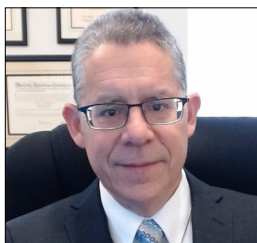
Hayley Falk
PhD Candidate in
Computational Medicine and
Bioinformatics,
University of Michigan



Brian Hainline
Senior Vice President of Sport
Science Institute and Chief
Medical Officer, NCAA



Stan Herring
Clinical Professor, Department
of Rehabilitation Medicine,
University of Washington, Seattle,
Washington



Grant Iverson
Professor, Department of Physical
Medicine and Rehabilitation,
Harvard Medical School; Director,
Concussion Research Program,
Schoen Adams Research Institute
at Spaulding Rehabilitation;
Director, Mass General for Children
Sports Concussion Program;
Neuropsychologist, Home Base, A
Red Sox Foundation
and Massachusetts General
Hospital Program



Alan Kaplan
Research Scientist, Lawrence
Livermore National Laboratory



John Leddy
Professor of Clinical Orthopedics
and Rehabilitation Sciences,
SUNY Buffalo Jacobs School
of Medicine and Biomedical
Sciences, Buffalo, NY; Director,
University at Buffalo Concussion
Management and Research
Center; Team Physician,
SUNY at Buffalo



Kathy Lee
Director of Warfighter
Brain Health Policy



Christina Master
Professor of Pediatrics, University
of Pennsylvania Perelman School
of Medicine; Co-Director, Minds
Matter Concussion Program,
Pediatric and Adolescent Sports
Medicine, Division of Pediatric
Orthopedics; Attending Physician,
Care Network -
Karabots Center



Mike McCrea
Chair in Neurosurgery; Professor
and Vice Chair of Research;
Director, Center for Neurotrauma
Research Department of
Neurosurgery Medical College
of Wisconsin; Director, Clinical
Neuroscience Research Center



Kasey Moritz
Assistant Neurotrauma
Portfolio Manager



Santa J. Ono
President,
University of Michigan

PRESENTERS



Jon Patricios

Professor, University of the Witwatersrand, Johannesburg, South Africa; Director, Sports Concussion South Africa



Tony Petitti

Commissioner,
Big Ten Conference



Margot Putukian

Chief Medical Officer, Major League Soccer; Internist/Sports Medicine Specialist; Past President American Medical Society for Sports Medicine



Katharine Seagly

Associate Professor, Department of Physical Medicine and Rehabilitation; Director, Traumatic Brain Injury Rehabilitation Program, University of Michigan



Robert Stern

Professor of Neurology, Neurosurgery and Anatomy & Neurobiology; Director of Clinical Research, BU CTE Center; Senior Scientist, BU Alzheimer's Disease Research Center; Boston University Chobanian & Avedisian School of Medicine



Nsini Umoh

Program Director in the Repair and Plasticity Cluster in the Division of Neuroscience



Eleanna Varangis

Assistant Professor of Movement Science in the School of Kinesiology and Michigan Concussion Center, University of Michigan



Philip Veliz

Associate Research Professor, University of Michigan School of Nursing



Douglas Wiebe

Professor of Epidemiology, University of Michigan



Keith Yeates

Professor of Psychology, Ward Chair in Pediatric Brain Injury, University of Calgary

AGENDA

10 to 10:15 a.m.

Welcome and introduction.

President Charlie Baker, NCAA
President Santa J. Ono, University of Michigan
Commissioner Tony Petitti, Big Ten Conference

10:15 to 10:30 a.m.

Conference welcome/overview.

Brian Hainline and Kathy Lee

10:30 a.m. to noon

Part 1: Translational Science.

Amsterdam Consensus Publication Summary. (:15)
Jon Patricios
SCAT6/CRT6. (:15)
Ruben Echemendia
SCOAT 6. (:15)
Patricios
Traumatic Brain Injury Reclassification Report.
(:15) Nsini Umoh
AI and Machine Learning Applications in TBI. (:15)
Alan Kaplan
Discussion. (:15)

Noon to 12:10 p.m.

Break.

12:10 to 1:10 p.m.

Part 2: Return to learn/Return to sport.

Amsterdam consensus publication - RTL/RTS. (:15)
Margot Putukian
Rehabilitation. (:15)
Christina Master
Rest and exercise. (:15)
John Leddy
Discussion. (:15)

1:10 to 1:40 p.m.

Lunch.

1:40 to 2:45 p.m.

Part 3: Biomarkers.

Amsterdam consensus publication - biomarkers. (:20)
Mike McCrea
Use of biomarkers in military medicine. (:15)
Bradley Dengler
Concussion diagnostics - Updates from the 2024 Non-invasive Diagnostics and
Monitoring State of the Technology Meeting. (:15)
Kasey Moritz
Discussion. (:15)

2:45 to 2:55 p.m.

Break.

AGENDA

2:55 to 4:10 p.m.

Part 4: Persisting and long-term effects.

Amsterdam consensus publication - persisting symptoms. (:15)
Keith Owen Yeates

Persisting symptoms clinical care. (:15)
Stan Herring

Amsterdam consensus publication - long-term effects. (:15)
Grant Iverson

Traumatic Encephalopathy Syndrome. (:15)
Robert Stern

Discussion. (:15)

4:10 to 4:15 p.m.

Break.

4:15 to 4:55 p.m.

Part 5: University of Michigan Research.

Big Ten/Ivy League Concussion Epidemiology study. (:10)
Douglas Wiebe

University of Michigan Athlete Alumni study. (:10)
James Eckner and Philip Veliz

ABCD football imaging study. (:10)
Eleanna Varangis

Michigan Algorithm for Acute Evaluation of TBI. (:10)
Hayley Falk and Katharine Seagly

4:55 to 5 p.m.

Concluding remarks.

Brian Hainline

Questions?

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



SPORT SCIENCE
INSTITUTE™