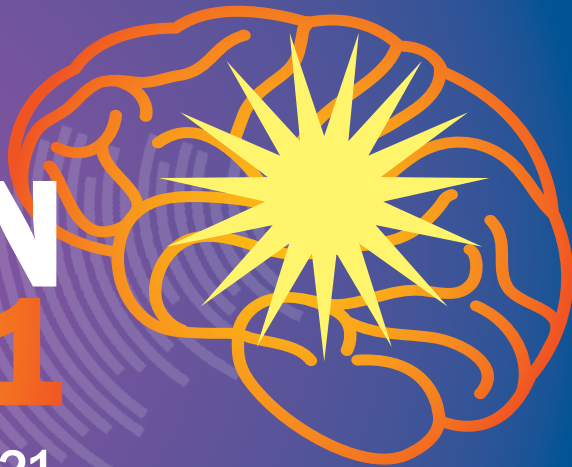


LIVE
STREAMING
ONLY

The University of Hawaii, College of Education,
State of Hawaii, Department of Health
Hawaii Concussion Awareness & Management Program and
The Queen's Center for Sports Medicine
present

CONCUSSION SUMMIT 2021



Thursday, July 8 & Friday, July 9, 2021
8 am - 1:30 pm HST

LIVE STREAMING
Synchronous & Asynchronous

For more information, or for online registration and payment:
hawaiiconcussion.com/concussionsummit

FEATURED SPEAKERS

Tyler Duffield, PhD
David Howell, PhD, ATC
John Leddy, MD, FACSM, FACP
Angela Lumba-Brown, MD
Shelly Massingale, PT, MPT
Erik Swartz, PhD, ATC, FNATA

The organizers would like to acknowledge the generous financial support of this conference from: State of Hawaii, Department of Health, Neurotrauma Supports Hawaii Pacific Health Bone and Joint Center



About the Conference

Hawaii Concussion Awareness & Management Program (HCAMP)

has reported that an average of 1,000 concussions were sustained annually by Hawaii's high school athletes since 2010. HCAMP has also reported an average high school athlete takes more than three weeks to recover from a concussion. The featured faculty will provide research-based evidence and discuss the current trends in concussion management and spinal-motion restriction. Topics will include best practices for schools and youth organizations to implement to help keep students and members safe.

Attendees will be provided with the most up-to-date assessment and management techniques and be inspired to start using these techniques immediately.

This conference has broad appeal to athletic trainers, EMT/MICTs, nurses, physical therapists, and physicians.

Educational Objectives

- Describe and discuss concussion subtypes and associated conditions, as well as gender and age frequency during acute concussions
- Discuss and evaluate the reliability, objectivity, and user friendliness of a noninvasiveness of a saliva-based microRNA diagnostic test and patient reported symptoms in the diagnosis of mTBI/concussions
- Describe and discuss the physiology of concussion with respect to the Autonomic Nervous System, Cerebral Blood Flow regulation, and the role of exercise tolerance testing in the prescription of individualized subthreshold aerobic exercise for the treatment of sport-related concussion and for Persistent Post-Concussive Symptoms (PPCS)
- Describe and discuss the relationship of sleep and concussion symptom reporting during the course of concussion recovery
- Apply the NATA Consensus Statement on the Prehospital Care of the injured athlete with a suspected catastrophic cervical spine injury into practice
- Explain and demonstrate the 8 conditions of Concussion Balance Test (COBALT) and what equipment is required to perform the test for the concussed patient
- Explain how integrated neuromuscular control and dual-task training may be beneficial for the treatment of concussion
- Summarize and discuss the utilization of the Helmetless Tackling Technique (HuTT) in Hawaii, year one results



Conference Committee

HCAMP

University of Hawaii at Manoa

Troy Furutani, MS, ATC
Program Manager

Nathan Murata, PhD
Dean, College of Education
University of Hawaii at Manoa

The Queen's Medical Center

Kristin Fernandez, MD
Medical Director
After Hours Clinic

Ross Oshiro, MS, ATC
Program Coordinator

Program

Thursday, July 8, 2021

7:30 - 7:50 am HST	Registration & Log In
7:50 - 8:00 am HST	Welcome and Introductions
8:00 - 9:00 am HST	Classifying Clinical Presentations of Concussion to Target Recovery Angela Lumba-Brown, MD
9:00 - 9:05 am HST	Break 5 Minutes
9:05 - 10:05 am HST	Concussion Biomarkers: Blood, Blood Flow and Saliva John Leddy, MD, FACSM, FACP
10:05 - 10:10 am HST	Break 5 Minutes
10:10 - 11:10 am HST	The Influence of Sleep Health on General Injury and Concussion Management Tyler Duffield, PhD
11:10 - 11:20 am HST	Break 10 Minutes
11:20 - 12:20 pm HST	Highlights from the Consensus Recommendations on the Prehospital Care of the Injured Athlete with a Suspected Catastrophic Cervical Spine Injury Erik Swartz, PhD, ATC, FNATA
12:20 - 12:25 pm HST	Break 5 Minutes
12:25 - 1:25 pm HST	Prehospital Care Demonstration Erik Swartz, PhD, ATC, FNATA & Local EMS *Asynchronous
1:25 - 1:30 pm HST	Closing Remarks

Friday, July 9, 2021

7:45 - 7:55 am HST	Check in /Log on
7:55 - 8:00 am HST	Welcome and Introductions
8:00 - 8:30 am HST	A HuTT808 Research Update: Year 1 Preliminary Results and COVID Challenges Erik Swartz, PhD, ATC, FNATA
8:30 - 8:35 am HST	Break 5 Minutes
8:35 - 9:05 am HST	Head Impact Location of Offensive and Defensive Linemen in Hawaiian High School Football Darian Brothers, MS, ATC
9:05 - 9:10 am HST	Break 5 Minutes
9:10 - 10:10 am HST	Exercise for Concussion: Physiology and Implementation John Leddy, MD, FACSM, FACP
10:10 - 10:15 am HST	Break 5 Minutes
10:15 - 11:15 am HST	Emerging Concussion Rehabilitation Approaches: Incorporating Neuromuscular Control and Dual-Task Training into Return to Play Progressions David Howell, PhD, ATC
11:15 - 11:30 am HST	Break 15 Minutes
11:30 - 12:30 pm HST	The Concussion Balance Test (COBALT) for Athletes' Pre-Season and Post Injury for mTBI Shelly Massingale, PT, MPT *Asynchronous
12:30 - 12:35 pm HST	Break 5 Minutes
12:35 - 1:45 pm HST	COBALT Demonstration: How to Administer the assessment with and without a force plate Shelly Massingale, PT, MPT *Asynchronous
1:35 - 1:45 pm HST	Closing Remarks

Special Needs - The sponsors fully intend to comply with the legal requirements of the Americans with Disabilities Act. If you are in need of accommodation, please include this information with your registration.

Refund - To receive a refund for the registration fee, cancellation must be made in writing. Refunds will be processed less 20%

service fee if made by July 1, 2021. No refunds will be made after that date.

Cancellation - This activity is subject to cancellation. In the unlikely event that it should be cancelled, refund of registration fees will be made in full; however, the sponsor(s) are not responsible for any travel costs you incur.

Featured Guest Faculty

Darian Brothers, MS, ATC

*University of Hawaii at Manoa
Hawaii Concussion Awareness & Management Program
Graduate Assistant
Honolulu, HI*

Ms. Brothers, is a recent Masters of Science graduate from the University of Hawaii's Kinesiology & Rehabilitation Science department where she is working as a graduate assistant. Last year she presented her poster at the Far West Athletic Trainers Association annual meeting titled "Head Impact Location of Offensive and Defensive Linemen in Hawaiian High School Football."

Tyler Duffield, PhD

*Oregon Health & Science University (OHSU)
Assistant Professor of Family Medicine, School of Medicine
Assistant Professor of Neurology, School of Medicine
Portland, OR*

Dr. Duffield is a neuropsychologist who specializes in traumatic brain injury, epilepsy, neurodevelopmental disorders (e.g., ADHD), and sleep health. In addition to neuropsychological assessment, Dr. Duffield provides a cognitive-behavioral sleep intervention service within the concussion clinic at OHSU. Research interests generally include innovative technologies, such as wearables and biometrics, with the potential to improve clinical assessment and treatment.

David R. Howell, PhD, ATC

*Children's Hospital Colorado, Sports Medicine Center
Lead Researcher
University of Colorado Denver
Assistant Professor and Assistant Director of Clinical Research,
Department of Orthopedics, School of Medicine
Denver, CO*

Dr. Howell has received numerous awards for his research, most recently, the National Athletic Trainer Achievement Award from the Pediatric Research in Sport Medicine Society in 2021. The main goal of Dr. Howell's research is to evaluate objective and quantitative measures that provide clinically relevant data for concussion management and to discover the physiologic underpinnings of post-concussion deficits.

John J. Leddy, MD, FACP, FACSM

*University at Buffalo
Clinical Professor
Director of the Concussion Management Clinic
Jacobs School of Medicine & Biomedical Sciences
Buffalo, NY*

Dr. Leddy is Professor of Clinical Orthopedics and Rehabilitation Sciences at the University at Buffalo Jacobs School of Medicine and Biomedical Sciences, and Director of Outcomes Research for the Department of Orthopaedics. He is a Member of the Expert

Panel for the Berlin Fifth International Consensus Conference on Concussion in Sport and a consultant to the NIH on sport concussion research.

Angela Lumba-Brown, MD

*Stanford University School of Medicine
Co-Director, Stanford Brain Performance Center,
Clinical Associate Professor of Emergency Medicine
Clinical Associate Professor of Pediatrics
Stanford, CA*

Dr. Lumba-Brown is an academic pediatric emergency medicine physician with expertise in neuroscience and neurocritical emergencies. She cares for children and young adults clinically in the Stanford Pediatric Emergency Department. Dr. Lumba-Brown is a national expert on traumatic brain injury and has led several recent large guideline projects. She is also the co-director of the Stanford Brain Performance Center where she works to advance the neuroscience of brain synchronization in childhood development, injury, and aging through novel biomarker discovery and treatments.

Shelly Massingale, PT, MPT

*Banner Concussion Center
Senior Director of Concussion Services
Phoenix, AZ*

Ms. Massingale is the Senior Director of the Banner Sports Medicine and Concussion Center in Arizona. She is a Physical Therapist and is a specialist in vestibular and balance therapy. She has completed the Emory University Vestibular competency and advanced competency courses and has been treating vestibular and balance disorders since the beginning of her career. Since opening the Banner Sports Medicine and Concussion Center in 2013, she has focused her treatment and research solely on concussion. She is a co-developer of the Concussion Balance Test (COBALT) and has published articles that explored the utility of COBALT as an objective measurement of balance for the healthy and injured athletic population.

Erik E. Swartz, PhD, ATC, FNATA

*University of Massachusetts, Lowell
Chairperson and Professor, Department of
Physical Therapy and Kinesiology
Lowell, MA*

Dr. Swartz's research interest focuses on the prevention and acute care of head and neck injuries in football. He has received grants from The NATA Foundation, NOCSAE, NFL Charities and was a winner of the NineSigma Head Health Challenge. He has published in journals such as The American Journal of Emergency Medicine, New England Journal of Medicine, Spine, and The American Journal of Sports Medicine. He served on the NFL Head Neck and Spine Committee's Subcommittee on Safety Equipment and Rules and as chair of the NATA Position Statement on the Acute Management of the Cervical Spine Injured Athlete.

LIVE STREAMING USING ZOOM MEETING

REGISTRATION & PAYMENT >

Three payment options:

1. Register and Pay Online:

Go to: hawaii concussion.com/concussionsummit

**Please note that Eventbrite will charge a user fee and tax on top of the registration fee.*

2. Register and pay by Check:

Go to: hawaii concussion.com/concussionsummit and select "Pay by Check"

- Complete the online form and print form
- Make check payable to "Research Corporation of the University of Hawaii"
- Send completed form and check to: University of Hawaii, College of Education, Kinesiology & Rehabilitation Science Department, HCAMP/Summit
1337 Lower Campus Road PE/A complex 231, Honolulu, HI 96822

3. Purchase Order

- Email Ross Oshiro at rooshiro@queens.org
- Provide name of organization, list of participant(s) and email of participant(s)

Registration CLOSES on July 7th

FEES	Early Registration Before 7/1/21	After 7/1/21
Athletic Trainers	\$ 50	\$100
Physicians	\$150	\$200
Other Health Care Providers	\$100	\$150
Students	\$ 25	\$50

LIVE STREAM OF CONCUSSION SUMMIT > Requirements for viewing: Active Zoom account

Please note for Live Streaming: Two presentations will be pre-recorded and will be shown during their specified times during the presentations. They are labeled Asynchronous in the speaker schedule.

Course Materials Online Conference materials will be available via web access. More information will be emailed to you upon confirmation of your registration.

For More Information: The Queen's Medical Center, The Center for Sports Medicine
Ross Oshiro, Ph: (808) 691-8059 Email: rooshiro@queens.org

CONTINUING EDUCATION CREDITS

■ **Physicians** This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education through the joint providership of The Queen's Medical Center and the Hawai'i Concussion Awareness Management Program. The Queen's Medical Center is accredited to provide continuing medical education for physicians.

The Queen's Medical Center designates this live activity for a maximum of **10.0 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

■ **Nurses** *AMA PRA Category 1 Credits™* issued by organizations approved by ACCME will be recognized by the American Nurses Credentialing Center (1 CME credit = 1 contact hour) and most other nursing certifying bodies. Check with your certifying body. It will also be recognized by the State of Hawaii Board of Nursing for license renewal.

■ **EMS Personnel (EMT/MICT)** HCAMP (BOC The Queen's Medical Center is an approved provider of continuing education for Emergency Medical Services Personnel. Hawaii provider #19-029. This educational activity has been approved for 10.0 hours.

■ **Athletic Trainers** HCAMP (BOC Approved Provider #P10061) Hawaii Concussion Awareness and Management Program (BOC AP# P10061) is approved by the Board of Certification, Inc. to provide continuing education to Athletic Trainers. This program is eligible for a maximum of **10.0 Category A CEUs**. ATs should claim only those hours actually spent in the educational program.

■ **Physical Therapists** Continuing Competence units (CCUs) pending approval from Hawaii Board of Physical Therapy.

■ **Other Health Professionals** A certificate of attendance will be provided to other healthcare professionals for requesting credits in accordance with state boards, specialty societies, or other professional associations.

■ **Level of Difficulty:** Essential and Advanced

