

Scientific Programme

Day 1: 27 October 2022

07:00	Registration	
08:00 – 09:15	Registration & POSTER SESSION (Concussion Definition & Prevention)	
09:15 – 09:25	Welcome and conference opening	Uğur Erdener/Lars Engebretsen
09:25 – 09:40	History of the Concussion Consensus Process	Willem Meeuwisse (Introduction by Jiri Dvorak)
9:40 – 10:00	Overview of Scientific Process	Kathryn Schneider
Session 1: Concussion Definition & Prevention		
10:00 – 10:35	What is the definition of concussion? M. Beauchamp: Extending sports concussion notions to early childhood: Validity of post-concussion symptom measurement Lecture - Definition of concussion and Recommendation Discussion	Moderator: Gavin Davis Noah Silverberg/Grant Iverson
10:35 – 11:20	Prevention Strategies S. West: What is the relationship between mouthguard use and concussion incidence in professional male rugby union? J. Brown: Clinically important reduction in concussion rate following lowering of the legal tackle height in collegiate rugby union Lecture Reviewing Evidence and Providing Recommendation Panel Discussion with co-authors and audience Q&A	Moderator: Carolyn Emery Carolyn Emery
11:20 – 11:50	Morning coffee break - POSTER SESSION (Sideline Detection and Follow-Up Assessment)	
Session 2: Sideline Detection and Follow-Up Assessment		
11:50 – 12:35	Sideline concussion detection (SCAT tools and technology) J. Bruce: Does the SCAT5 10-word list improve the distribution of scores over the SCAT3 5-word list in professional hockey players?	Moderator: Ruben Echemendia



	J. Tabor: Sport-related concussion blood biomarkers in youth athletes: Do previous concussion, age, sex, menstrual cycle, and sex hormone levels matter?	
	Lecture Reviewing Evidence and Providing Recommendation	Ruben Echemendia
	Panel Discussion with co-authors and audience Q&A	
12:35 – 13:20	Follow up and Office-based Assessment	Moderator: Jon Patricios
	V. Di Pietro: Study of Concussion in Rugby Union through MicroRNAs: a prospective, observational cohort study of salivary small non-coding RNA biomarkers of mild traumatic brain injury.	
	M. Haider: Buffalo Concussion Physical Exam Score for Predicting Delayed Recovery in Adolescents	
	Lecture Reviewing Evidence and Providing Recommendation	Jon Patricios
	Panel Discussion with co-authors and audience Q&A	
13:20 – 14:00	SCAT6 and SCOAT6	Ruben Echemendia / Jon Patricios / Gavin Davis
	Panel discussion with audience feedback	
14:00 – 15:00	Lunch - POSTER SESSION (Rest & Exercise and Treatment)	
Session3: Rest & Exercise and Treatment		
15:00 – 15:45	Rest & Exercise	Moderator: John Leddy
	L. Lempke: Early Exercise is Associated with Faster Concussion Recovery Among Collegiate Athletes: Findings from the NCAA-DoD CARE Consortium	
	R. Zemek: Pediatric Concussion Assessment of Rest and Exertion (PedCARE): A Multicentre Randomized Clinical Trial.	
	Lecture Reviewing Evidence and Providing Recommendation	John Leddy
	Panel Discussion with co-authors and audience Q&A	
15:45 – 16:30	Treatment: Cervical, vestibular, visual, headache, autonomic, hormonal, mood & behavior	Moderator: Kathryn Schneider
	K. Campbell: Concussion rehabilitation can improve turning quality during daily life	



	J. Register-Mihalik: Effectiveness of early multi-dimensional rehabilitation following SRC.	
	Lecture Reviewing Evidence and Providing Recommendation	Kathryn Schneider
	Panel Discussion with co-authors and audience Q&A	
16:30 – 17:00	Afternoon coffee - SPEED Meeting - discussion	
17:00 – 17:40	Special Considerations for the Parasport Athlete	Moderator: Cheri Blauwet
	R. Moran: Quantifying baseline performance of university para-sport athletes on a concussion assessment battery	
	Parasport presentation	
	Panel Discussion with parasport and audience Q&A	
17:40 – 17:50	Closing comments - Scientific Committee	Jon Patricios
17:50 – 18:00	Closing comments - Organising Committee	Mark Aubry, Andrew Massey
18:00	Welcome Reception	

Day 2: 28 October 2022

08:15 – 08:45	POSTER SESSION (Persistent Symptoms and Defining Recovery)	
08:45 – 09:00	Opening Remarks	Martin Raftery, Éanna Falvey

Session 4: Persistent Symptoms and Defining Recovery

09:00 – 09:45	Persistent symptoms (> 1month) detection and management	Moderator: Keith Yeates
	J. Caccese: Factors associated with symptom reporting in collegiate student athletes without concussion	
	M. Osmond: Predicting persistent symptoms in children (aged 5 to 12 years) with an acute sport-related concussion	
	Lecture Reviewing Evidence and Providing Recommendation	Keith Yeates
	Panel Discussion with co-authors and audience Q&A	
9:45 – 10:30	Defining Recovery	Moderator: Michael McCrea
	J. Schmidt: Optimizing Concussion Care Seeking (OCCS): the influence of continued participation on concussion recovery	



	M. Haider: Abnormal Cerebral Blood Flow Regulation during 60 Head-Down Tilt after Sport-Related Concussion.	
	Lecture Reviewing Evidence and Providing Recommendation	Michael McCrea
	Panel Discussion with co-authors and audience Q&A	
10:30 – 11:00	Morning coffee break - POSTER SESSION (Graded Exertion and Return to School/Sport)	
Session 5: Graded Exertion and Return to School/Sport		
11:00 – 11:45	Graded Exertion and Return to School/Sport	Moderator: Steve Broglio (& Margot Putukian)
	A. Boltz: Differences in return to play time by race and sport type among university student-athletes: findings from the Concussion Assessment, Research, and Education (CARE) Consortium	
	R. Tucker: Symptoms, but not cognitive or balance abnormalities during SCAT5 post-concussion screening, are associated with longer return to play time in elite Rugby Union	
	Lecture Reviewing Evidence and Providing Recommendation	Steve Broglio & Margot Putukian
	Panel Discussion with co-authors and audience Q&A, moderated by the lead author	
11:45 – 12:15	Proposed changes to return to sport/school strategies - (include authors from/input from review 4, 5, 7, 8)	
	Panel Discussion with co-authors and audience Q&A	
12:15 – 13:15	Lunch break - POSTER SESSION (Long term effects and Criteria for Retirement) + SPEED networking	
Session 6: Long Term Sequellae and Criteria for Retirement		
13:15 – 14:15	Potential Long Term Effects	Moderator: Grant Iverson
	E. Bonke: White matter microstructure of the cingulum bundle is associated with visuospatial memory in former professional American football players	
	T. Owens: Recurrent concussion in retired rugby union players is associated with decreased nitric oxide bioactivity, cerebral hypoperfusion and cognitive impairment.	



	Literature Reviewing Evidence and Providing Recommendation Panel Discussion with co-authors and audience Q&A	Grant Iverson/Bob Cantu
14:15 – 14:55	Criteria for Retirement J. Schmidt: Medical Disqualification Following Concussion: A CARE Consortium Study	Moderator: Mike Makdissi
	Lecture Reviewing Evidence and Providing Recommendation Panel Discussion with co-authors and audience Q&A	Mike Makdissi
14:55 – 15:25	Afternoon coffee - POSTER SESSION Additional topics on concussion + SPEED meetings	

Session 7: Special Considerations for the Child and Adolescent Athlete

15:25 – 16:10	Special Considerations for the Child and Adolescent Athlete Lecture Reviewing Evidence and Providing Recommendation Panel Discussion with pediatric co-authors and audience Q&A	Moderator: Gavin Davis
16:10 – 16:40	Athlete Voices Panel discussion and sharing of stories from an athlete perspective	Moderator: Osman Ahmed
16:40 – 16:50	A Sport Related Concussion Research Agenda Beyond Medical Science: culture, ethics, science, policy	Mike McNamee
16:50 – 17:10	Future directions prioritization and Open discussion with audience engagement (questions at start and throughout)	Jon Patricios/Kathryn Schneider
17:10 – 17:30	What do we know and where will we go Summary of the science and future directions	Jon Patricios/Kathryn Schneider
	Closing words from the Organising Committee	Catherine Bollon, Paul Rea