Jason Mihalik, Ph.D., CAT(C), ATC

Professor, Department of Exercise and Sport Science & Co-Director, Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center, College of Arts and Sciences at UNC-Chapel Hill

Chapel Hill, NC, US

Mihalik's research interests include sport-related concussions and the biomechanics related to head trauma.

Jason Mihalik is an Associate Professor in the Department of Exercise and Sport Science. He is the Co-Director of the Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center, and also serves as Affiliate Faculty at the UNC Injury Prevention Research Center in the TBI focus area. Jason teaches courses in Biomechanics (EXSS 385) and Undergraduate Research Methods (EXSS 273), and Graduate Statistics and Research Methods. Jason completed his undergraduate degree in Exercise Science with a specialization in Athletic Therapy at Concordia University (Montreal, Quebec, Canada) in 2001. He completed his graduate work in Sports Medicine at the University of Pittsburgh (Pittsburgh, PA), earning his Master's Degree in December 2004. He was a recipient of a 5-year Royster Fellowship, allowing him to ultimately complete his doctoral work in Human Movement Science at The University of North Carolina at Chapel Hill in the summer of 2009. Jason's primary research interest intersects head trauma biomechanics with clinical outcomes in civilian athletes and military warfighters. He investigates the effectiveness of innovative concussion assessment, management, and rehabilitation technologies. He is additionally interested in the interrelationships between ocular and vestibular function, as well as the utility of neuroimaging and neurophysiology, in the context of the concussion management paradigm. He has developed smartphone applications designed to assist lay rescuers in recognize concussion signs and symptoms and intervene accordingly. He is also the Chief Science Officer for Senaptec LLC, a startup company in the visual and sensory performance space. Jason also studies field management of neurotraumatic spine-related injuries.

Biomechanics of head trauma, Sport-related traumatic brain injury, Concussion management, Postconcussion Syndrome, Concussion Rehabilitation, Neurotraumatic Spine-Related Injuries, Neuroscience, Understanding head trauma in the military

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University of North Carolina at Chapel Hill
Ph.D. Human Movement Science

University of Pittsburgh
M.S. Sports Medicine

Concordia University
B.Sc. Exercise Science

Director, Exercise and Sport Science Cadaver Anatomy Laboratory
July 2009 to present

10-time winner
Canadian Athletic Therapists Association National Writing Award

Advancement of Science Award
Neuro-Optometric Rehabilitation Association 2014

Member, Royster Society of Fellows
The UNC Graduate School's select interdisciplinary fellowship program that attracts exceptional graduate students from around the world,

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