

STEVEN P. BROGLIO

Office:

830 N. University Ave
Ann Arbor, MI 48109
734.764.9669
broglio@umich.edu

LEADERSHIP

Research

More than twenty years of extensive neuroscience research underpinned by robust support from a variety of institutions, including local communities, national organizations, and federal agencies committed to advancing scientific understanding and fueling groundbreaking discoveries on the identification, diagnosis and management of concussion.

- Secured \$113M in grant support (\$105M as PI/coPI)
- Managed >350 full and part time research employees from 30 institutions across the US
- >275 peer reviewed manuscripts
 - h-index = 77 (Google Scholar 10/2024)
 - #1 concussion subject matter expert (<https://expertscape.com/>)

Founding director Michigan Concussion Center

- Secured seed funding (>\$5M) and 3 tenure track lines
- Grew center membership to >175 faculty, staff, and trainees across 25 campus units
- Developed a distribution list of approx. 22,000 researchers, clinicians, trainees and advocates
- Facilitated >\$2million in development gifts

Teaching and Mentoring

I have continually engaged and inspired graduate and undergraduate students through innovative teaching methods and commitment to student success by creating a supportive and inclusive learning environment that fosters critical thinking, collaboration, and the continuous pursuit of knowledge.

- Primary mentor or committee member for 41 MS and PhD students

Service and Administration

My dedication to higher education is evident through a progressive escalation in my administrative roles, during which I have sought to refine and advance policies, streamline procedures, and enrich the academic atmosphere. Throughout my career, I have been focused on enhancing the educational experience, research environment, and community engagement, ensuring that each venture under my purview not only meets, but exceeds the expectations of academic excellence and societal contribution.

University of Michigan, School of Kinesiology, Associate Dean of Graduate Affairs: 2020 to present

- 78% increase in graduate student applications
- 265% increase in enrolled graduate students
- 82% increase in Office of Graduate Affairs budget and Office staff by 50%
- Development of Master of Science degree programs in Intraoperative Neuromonitoring (anticipated Fall 2026) and Sport Management (online; anticipated Fall 2027)
- #1 ranked graduate program - National Academy of Kinesiology (2023)

Diversity, Equity, Inclusion and Justice

Dedication to fostering a collegial environment within and outside the University where diversity is celebrated, equity is pursued, and inclusion is the norm, ensuring that everyone has an opportunity to contribute and thrive. My actions reflect a steadfast commitment to these principles by working proactively to dismantle barriers and create pathways for the success and empowerment.

EDUCATION

University of Georgia: Athens, Georgia: 2006

Doctorate of Philosophy, Exercise Science: Measurement and Evaluation concentration

Dissertation: *Reliability of computer-based concussion assessment programs*

University of Pittsburgh: Pittsburgh, Pennsylvania: 2002

Master of Science, Health and Rehabilitation Science

Thesis: *The acute effect of rotational heading on measures of postural stability*

University of North Carolina at Chapel Hill: Chapel Hill, North Carolina: 2000

Bachelor of Arts, Exercise and Sport Science

Highest Honors and Highest Distinction Graduate

Thesis: *The cumulative effect of soccer on postural stability and cognitive function*

The Ohio State University: Columbus, Ohio

Bachelor of Science, Molecular Genetics (degree not conferred)

PROFESSIONAL EXPERIENCE

University of Michigan

School of Kinesiology

Associate Dean of Graduate Affairs: 2020 to present

Founding Director, Michigan Concussion Center: 2018 to present

Professor: 2018 to present

Associate Professor: 2013 to 2018

Assistant Professor: 2011 to 2013

Director, NeuroTrauma Research Laboratory: 2011 to present

School of Medicine

Department of Neurology

Adjunct Professor: 2019 to present

Adjunct Associate Professor: 2014 to 2019

Adjunct Assistant Professor: 2011 to 2014

Department of Physical Medicine and Rehabilitation

Adjunct Professor: 2019 to present

Adjunct Associate Professor: 2014 to 2019

Adjunct Assistant Professor: 2011 to 2014

Michigan Neuroscience Institute

Affiliate Member: 2022 to present

Neuroscience Graduate Program Faculty: 2021 to present

University of Michigan Injury Prevention Center

Concussion Content Lead: 2016 to present

Member: 2013 to present

Institute for Healthcare Policy and Innovation

Leadership Team: 2022-present

Investigator Member: 2014 to present

University of Illinois at Urbana-Champaign

Department of Kinesiology and Community Health

Adjunct Assistant Professor: 2011 to 2017

Director, Graduate Athletic Training: 2008 to 2011

Assistant Professor: 2006 to 2011

Director, Neurotrauma Research Laboratory: 2006 to 2011

Director, Undergraduate Athletic Training Education Program: 2006 to 2011

Center for Advanced Study

Beckman Fellow: 2010 to 2011

Center on Health, Aging, and Disability

Affiliate Member: 2008 to 2011

University of Georgia

Department of Kinesiology

Clinical Coordinator, Undergraduate Athletic Training Education Program: 2003 to 2006

Graduate Research Assistant (Athletic Training Research Laboratory): 2002 to 2006

Approved Clinical Instructor of Athletic Training Students: 2003 to 2006

University of Pittsburgh

Neuromuscular Research Laboratory

Research Assistant: 2001

TEACHING EXPERIENCE

University of Michigan

School of Law

Course Instructor Concussion: Reducing Brain Injuries in Youth Football

School of Kinesiology

Course Instructor: Athletic Training Administration
Pharmacology for the Allied Health Professional
Mild Traumatic Brain Injury in Sport
Special Topics in Sports Medicine

University of Illinois at Urbana-Champaign

Department of Kinesiology and Community Health

Course Instructor: Advanced Assessment of Athletic Injuries - Lower Extremity
Advanced Assessment of Athletic Injuries - Upper Extremity
Capstone Proficiency of Athletic Training
Special Topics - Sport Concussion
Issues in Sports Medicine

University of Georgia

Department of Exercise Science

Course Instructor: Recognition and Evaluation of Athletic Injuries - Upper Extremity
Introduction to Athletic Training Lab
Clinical Experience in Athletic Training I, II, III, IV

Workshops: Athletic Training Student Workshop:
Co-director: 2004 to 2006

Cramer Japan Athletic Training Workshop:
Co-director: 2004
Coordinator and lecturer: 2003

University of Pittsburgh

Department of Health and Rehabilitation Science

Course Instructor: Athletic Training Practicum
Basic Athletic Training Lab
Teaching Assistant: Basic Athletic Training

University of North Carolina at Chapel Hill

Department of Exercise and Sport Science

Teaching Aid: Human Anatomy Cadaver Lab, 1999

CLINICAL EXPERIENCE

University of Georgia

Graduate Assistant Certified Athletic Trainer - Cheerleading: 2004

University of Pittsburgh

Graduate Assistant Certified Athletic Trainer - Baseball: 2000 to 2002
Graduate Assistant Certified Athletic Trainer - Women's Soccer: 2002

University of North Carolina at Chapel Hill

Athletic Training Student: 1998 to 2000

Sports: football, track & field, field hockey, baseball, Southeast Raleigh High School

Athletic Summer Camps

Certified Athletic Trainer

University of North Carolina - Field Hockey: 2000 to 2003

Carnegie Mellon University - Soccer: 2001

Athletic Training Student

University of North Carolina - Field Hockey, Wrestling: 1999

New York Football Giants

Training Camp Intern: 1999

SCHOLARSHIP

Refereed Journal Publications

Pandeya HS, Garcia GGP, **Broglia SP**, McAllister TW, McCrea MA, Pasquina PF, Lempke LB, CARE Consortium Investigators, Comprehensive Assessment under Constrained Time (CompACT): An operationally constrained machine learning approach, *IISE Transactions* (in review).

Czerniak LL, Garcia GGP, Genthe MW, Xia Y, Lavieri MS, McCrea MA, McAllister TW, Pasquina PF, Liebel SW, **Broglia SP**, CARE Consortium Investigators, Prediction of symptom burden, cognitive status, and risk of psychological distress in NCAA athletes with sport-related concussion(s): Findings from the NCAA-DoD CARE Consortium, *Annals of Biomedical Engineering* (in review)

Huntzinger KJ, Caccese JB, Law CA, Wittmer RM, Buckley TA, **Broglia SP**, McAllister TW, McCrea MA, Pasquina PF, Schneider ALC, CARE Consortium Investigators, Associations of collegiate football career and incident concussion with players' health: A longitudinal study from the CARE Consortium, *Sports Medicine* (in review).

Eagle SR, Huber D, McCrea M, Okonkwo DO, McAllister T, Pasquina P, **Broglia S**, Meier T, CARE Consortium Investigators, Effect of obese body mass index on clinical outcomes and inflammatory blood biomarkers following sport-related concussion in collegiate athletes and military cadets: Findings from the NCAA-DOD CARE Consortium, *Journal of Neurology, Neurosurgery, and Psychiatry* (in review).

Bretzin AC, Zynda AJ, Wiebe DJ, **Broglia SP**, Collins CL, Acute concussion management of high school athletes with access to athletic training services, *Pediatrics* (in review).

Hunzinger KJ, Caccese JB, Law CA, Wittmer RM, Buckley TA, **Broglia SP**, McAllister TW, McCrea MA, Pasquina PF, Schneider ALC, CARE Consortium Investigators, Associations of collegiate football career and incident concussion with players' health: A longitudinal study from the CARE Consortium, *British Journal of Sports Medicine* (in review)

Syrydiuk RA, Bretzin AC, Goldstick JE, **Broglia SP**, Wiebe DJ, All-cause mortality between National Hockey League players and the general population: A retrospective cohort study, *American Journal of Epidemiology* (in review).

Memmini AK, Mosesso KM, Li C, Perkins SM, Boltz AB, Lempke LB, Syrydiuk RA, Ren J, Harezlak J, Pasquina PF, McAllister TW, McCrea MA, **Broglia SP** & CARE Consortium Investigators, Effects of concussion history and sport exposure across a collegiate athletic career: A CARE Consortium study, *Sports Medicine*, (in review).

Dybing K, McAllister TW, W YC, McDonald BC, **Broglia SP**, Mihalik JP, Guskiewics KM, Goldman JT, Jackson JC, Saykin AJ, Risacher SL, Nudelman KMH, Association of Alzheimer's disease polygenic risk score with concussion severity and recovery metrics, *Sports Medicine* (in review).

Boltz AJ, Lempke LB, Syrydiuk RA, Memmini AK, Chengyun L, Ren J, Perkins SM, Harezlak J, Mosesso KM, Pasquina PF, McAllister TW, McCrea MA, **Broglia SP**, CARE Consortium Investigators, Head impact exposures and health outcomes in former collegiate athletes: A CARE Consortium study, *JAMA Neurology* (in review).

Aderman MJ, Andriescu R, Malvasi SR, Roach MH, Ross JD, Svoboda SJ, Robb J, McGinty G, Jackson J, Campbell D, Estevez CA, Brodeur RM, VanPelt K, Susmarski A, **Broglia SP**, McCrea MA, McAllister T, Pasquina PF, Cameron KL, Association between sleep duration and recovery trajectories after a concussion in United States service academy cadets and midshipmen, *Neurotrauma Reports* (in review).

Petrosian A, Casas R, Twyford J, McCrea M, McAllister T, **Broglia S**, Kelly L, ADHD as a mediating variable for invalid baseline profiles on the ImpACT, *Neurodiversity* (in review).

Fasoranti ZO, Anderson M, Putukian M, Bodt B, Pasquina P, McCrea M, McAllister T, **Broglia SP**, Buckley TA, Sport participation type and cognitive function in collegiate student-athletes, *Archives of Clinical Neuropsychology* (in review).

Anderson MN, Gallo CA, Gill J, Caccese J, **Broglia SP**, McCrea M, McAllister TW, Pasquina P, Cameron KL, Malvasi SR, Trump JR, Roach MH, Jackson J, McGinty G, Buckley TA, Career duration does not predict baseline neuroinflammatory blood biomarkers in NCAA athletes or military cadets, *Journal of Athletic Training*, (in review).

Syrydiuk RA, Cairns J, Pankow MP, **Broglia SP**, Mrazik M, Emery CA, Down three: Does a reduction in on-field players influence head impacts in youth tackle football?, *Journal of Neurosurgery: Pediatrics* (in review).

McCrea MA, **Broglia SP**, W YC, Nencka AS, Koch KM, Saykin AJ, Brett BL, Klein AP, Meier TB, Pasquina P, McAllister TW, Advanced neuroimaging of concussion: Findings from the CARE Consortium, *Brain Injury Professional* (in review).

Muench JR, Sinson GP, Harezlak J, Rowson S, Duma S, Brooks A, Cameron K, Giza C, Goldman J, McGinty G, Rigger LD, Pasquina P, Broglia SP, McCrea M, McAllister T, Stemper B, Change in head impact exposure following return to play in concussed football athletes, *Medicine and Science in Sport and Exercise* (in review).

Stemper BD, Shah AS, Rowson S, Mihalik J, Rigger L, Harezlak J, Duma S, Pasquina P, **Broglia SP**, McAllister TW, McCrea M, CARE Consortium Investigators, Correlation of annual trends in preseason and regular season head impact exposure with season-long concussion incidence in NCAA Division I college football, *Journal of Athletic Training* (in review)

Garcia GGP, Lavieri MS, McAllister TW, McCrea MA, **Broglia SP**, CARE Consortium Investigators, Estimating the value of incorporating patient behavior in return-to-play from concussion: A behavior-learning POMDP approach, *Operations Research* (in review).

Rooks L, Giulia B, Pasquina P, **Broglia S**, McAllister T, McCrea M, Pestilli F, Port N, Protective and risk factors for persisting post concussion symptoms and return to play of NCAA collegiate athletes: Findings from the NCAA-DoD CARE Consortium, *Sports Medicine* (in press).

McAllister TW, **Broglia SP**, Perkins SM, Katz BP, Pasquina PF, McCrea MA, CARE Consortium Investigators, Characterizing the effects of concussion & head impact exposure: Design, methods & participant traits of the CARE 2.0 study, *Journal of Neuropsychiatry and Clinical Neurosciences* (in press).

Goeckner BD, Huber DL, Van Bortel K, Hill JM, Mannix R, Master CL, Brett BL, Pasquina PF, **Broglio SP**, McAllister TW, Harezlak J, McCrea MA, Meier TB, Associations of progesterone and estradiol with concussion and clinical outcomes in female athletes and cadets, *Medicine and Science in Sport and Exercise* (in press).

Jain D, Caccese JB, Boltz AJ, Buckley T, Cameron K, Chrisman SPD, Clugston JR, Eckner JT, Ermer E, Griffin Scott F, Harcum S, Hunt TN, Jannace KC, Kelly LA, Lempke LB, McDevitt J, Memmini A, Mozel A, Putukian M, Robb JB, Susmarski AJ, Srydiuk RA, **Broglio SP**, McAllister TW, McCrea MA, Pasquina PF, Master CL, Esopenko C, CARE Consortium Investigators, Factors associated with return to activity after concussion among female service academy members: Findings from the NCAA-DoD CARE Consortium, *Military Medicine*, (in press).

Glodowski K, Freemyer B, Myers J, Lee JS, **Broglio S**, Furutani T, Murata N, Stickley C, Swartz E, Hawaiian high school football player positional differences in helmet impact characteristics, *Journal of Athletic Training* (in press).

Swartz EE, Myers JL, Lee JS, **Broglio SP**, Furutani T, Oshiro R, Gioia GA, Brothers D, Glodowski K Meyer L, Rodriguez I, Murata N, Head impact exposure in Hawaiian high school football: influence of adherence rates on a helmetless tackling and blocking training intervention, *Journal of Athletic Training* (in press).

Pandey HS, Lahijanian B, Schmidt JD, Lynall RC, **Broglio SP**, McAllister TW, McCrea MA, Pasquina PF, Garcia GG-P, CARE Consortium Investigators, Quantifying the diagnostic utility of baseline testing: An analysis of the NCAA-DoD CARE Consortium dataset, *The American Journal of Sports Medicine*, 53(1):181-191, 2025.

Srydiuk RA, Boltz AJ, Lempke LB, van Pelt K, Balendran V, Scott K, Vesia M, Giordani B, McCrea MA, McAllister TW, **Broglio SP**, CARE Consortium Investigators, Association between magnetic resonance imaging use and recovery time following concussion: A CARE Consortium study, *Research in Sports Medicine*, 22:1-12, 2025.

Pestilli F, Bertò G, Rooks L, **Broglio S**, McAllister T, McCrea M, Pasquina P, Giza C, Brooks A, Mihalik J, Guskiewicz K, Goldman J, Duma S, Rowson S, Port N, Diffusion tensor analysis of white matter tracts is prognostic of persisting post-concussion symptoms in collegiate athletes, *NeuroImage: Clinical*, 43:103646, 2024.

Srydiuk RA, Boltz AJ, Lempke LB, Caccese JB, McAllister TW, McCrea MA, Pasquina PF, **Broglio SP**, CARE Consortium Investigators, SCAT symptom evolution in the acute concussion phase: Findings from the NCAA-DoD CARE Consortium, *Journal of Neurotrauma*, 41(23-24):2571-2579, 2024

Kelly LA, Caccese JB, Esopenko, C, Jain D, Master CL, Lempke L, Memmini AK, Buckley T, Clugston JR, Mozel A, Eckner JT, Susmarski A, Ermer E, **Broglio SP**, McAllister TW, McCrea M, and CARE Investigators, Sex differences across concussion characteristics in U.S. Service Academy cadets: A CARE Consortium study, *Sports Medicine*, 54(11):2955-2964, 2024.

Meier TB, Huber DL, Goeckner BD, Gill JM, Pasquina P, **Broglia SP**, McAllister TW, Harezlak J, McCrea MA, CARE Consortium Investigators, Research Letter: Relationship of blood biomarkers of inflammation with acute concussion symptoms and recovery in the CARE Consortium, *Journal of Head Trauma Rehabilitation*, 40(1): E23-E28, 2025.

Boltz AJ, Lempke LB, Srydiuk RA, Duma S, Pasquina P, McAllister TW, McCrea MA, Chandran A, **Broglia SP**, CARE Consortium Investigators, Association of sport helmet status on concussion presentation and recovery in male collegiate student-athletes, *Annals of Biomedical Engineering*, 52(10):2884-2896, 2024.

Simons MU, McCrea MA, **Broglia S**, McAllister TW, Nelson LD, CARE Consortium Investigators, Latent profiles of acute symptoms, cognitive performance, and balance in sport-related concussion, *American Journal of Sports Medicine*, 52(8):2110-2118, 2024.

Memmini AK, Snedden TR, Boltz AJ, Benson BA, Margolin E, Pasquina PF, McAllister TW, McCrea MA, **Broglia SP**, CARE Consortium Investigators, Factors influencing time to return to learn among NCAA student-athletes enrolled in the Concussion Assessment, Research, and Education (CARE) study, *Sports Medicine*, 54(7):1965-1977, 2024.

Shumski E, Eagle SR, Kontos AP, Bazarian JJ, Caccese JB, Chrisman S, Clugston JR, McAllister TW, McCrea M, **Broglia SP**, Lynall RC, Schmidt JD, The interval between concussions does not influence time to asymptomatic or return to play: A CARE Consortium study, *Sports Medicine*, 54(8):2185-2197, 2024.

King JA, Nelson LD, Cheever K, Brett B, Gliedt J, Szabo A, Dong H, Huber DL, **Broglia SP**, McCrea M, Prevalence and influence of new or worsened neck pain after sport-related concussion in collegiate athletes: A study from the CARE consortium, *American Journal of Sports Medicine*, 52(7):1845-1854, 2024.

Jo J, Boltz AJ, Williams KL, Pasquina PF, McAllister TW, McCrea MA, **Broglia SP**, Zuckerman SP, Zuckerman SL, Terry DP, CARE Consortium Investigators, Mechanisms of injury leading to concussion in collegiate soccer players: A CARE Consortium study, *American Journal of Sports Medicine*, 52(6):1585-1595, 2024.

McAllister T, Kenny R, Harezlak J, Harland J, McCrea M, Pasquina P, **Broglia SP**, Profile of Brief Symptom Inventory-18 (BSI-18) scores in collegiate athletes: A CARE Consortium Study, *The Clinical Neuropsychologist*, 38(7):1667-1682, 2024.

Caccese JB, Master CL, Buckley TA, Chrisman SPD, Clugston JR, Eckner JT, Ermer E, Harcum S, Hunt TN, Jain D, Kelly LA, Langford TD, Lempke LB, McDevitt J, Memmini AK, Mozel AE, Perkins SM, Putukian M, Roby PR, Susmarski A, **Broglia SP**, McAllister TW, McCrea MA, Pasquina PF, Esopenko C, CARE Consortium Investigators, Sex differences in recovery trajectories of assessments for sport-related concussion: A CARE Consortium Study, *Sports Medicine*, 54(6):1707-1721, 2024.

Liebel SW, Van Pelt KL, Pasquina PF, McAllister TW, McCrea MA, **Broglia SP**, CARE Consortium Investigators, Sport-specific recovery trajectories for NCAA collegiate athletes following concussion, *Annals of Biomedical Engineering*, 52(10):2794-2802, 2024.

Coffman CA, Gunn BS, Pasquina PF, McCrea MA, McAllister TW, **Broglia SP**, Moore RD, Concussion risk and recovery in athletes with psychostimulant-treated attention-deficit/hyperactivity disorder: Findings from the NCAA-DOD CARE Consortium, *Journal of Sport & Exercise Psychology*, 45(6):337-346, 2024.

D'Lauro CJ, Register-Mihalik JK, Meier TB, Kerr ZY, Knight KN, **Broglia SP**, Leeds D, Lynall RC, Kroshus E, McCrea M, McAllister TW, Schmidt JD, Optimizing Concussion Care Seeking (OCCS): Connecting care-seeking behaviors and neurophysiological states through blood biomarkers, *American Journal of Sports Medicine*, 52(3):801-810, 2024.

Lempke LB, Boltz AJ, Garcia GGP, Strydiuk RA, Pandey H, McCrea MA, McAllister TW, **Broglia SP**, CARE Consortium Investigators, Optimizing baseline and post-concussion assessments through identification, confirmation, and equivalence of latent factor structures: Findings from the NCAA-DoD CARE Consortium, *The Clinical Neuropsychologist*, 38(5):1156-1174, 2024.

Lempke LB, Ermer E, Boltz AJ, Caccese JB, Buckley TA, Cameron KL, Chrisman SPD, D'Lauro C, Eckner JT, Esopenko C, Hunt TN, Jain D, Kelly LA, Memmini AK, Mozel AE, Putukian M, Susmarski A, Pasquina PF, McCrea MA, McAllister TW, **Broglia SP**, Master CL, CARE Consortium Investigators, Initial mild traumatic brain injury characteristics and recovery patterns among females across the United States military service academies: A descriptive report from the NCAA-DoD CARE Consortium, *Annals of Biomedical Engineering*, 52(10):2756-2767, 2024.

Lempke LB, Caccese JB, Strydiuk RA, Buckley TA, Chrisman SPD, Clugston JR, Eckner JT, Ermer E, Esopenko C, Jain D, Kelly LA, Memmini AK, Mozel AE, Susmarski A, Pasquina PF, McCrea MA, McAllister TW, **Broglia SP**, Master CL, CARE Consortium Investigators, Female collegiate athletes' concussion characteristics and recovery patterns: A descriptive report from the NCAA-DoD CARE Consortium, *Annals of Biomedical Engineering*, 52(10):2741-2755, 2024.

Roby P, Mozel A, Arbogast K, Buckley T, Caccese J, Chrisman S, Clugston J, Eckner J, Esopenko C, Hunt T, Kelly L, McDevitt J, Perkins S, Putukian M, Susmarski A, **Broglia S**, Pasquina P, McAllister T, McCrea M, Master C, Arbogast K, Post-injury outcomes following non-sport related concussion: A CARE Consortium study, *Journal of Athletic Training*, 59(3):289-296, 2024.

Anderson M, Gallo C, Passalugo S, Nimeh J, Edgar R, Yengo-Kahn A, Neitz K, Terr D, **Broglia S**, McCrea M, McAllister T, Pasquina P, Buckley T, Collegiate athletes with diabetes: Baseline medical comorbidities and preseason concussion testing performance differ from non-diabetics?, *Journal of Athletic Training*, 59(3):297-303, 2024.

Simpson E, Nudelman KN, Riggen L, Menser M, Ren J, Reiter JL, Harezlak J, Foroud TM, Saykin AJ, **Broglia S**, McCrea MA, Pasquina PF, McAllister TW, Liu Y, CARE Consortium Investigators, Gene expression alterations in peripheral blood following sport-related concussion in a prospective cohort of collegiate athletes: A Concussion Assessment, Research and Education (CARE) Consortium Study, *Sports Medicine*, 54(4):1021-1032, 2024.

Hunzinger KJ, Cameron KL, Roach M, Jackson JC, McGinty GT, Robb JB, Susmarski AJ, Estevez CA, **Broglia SP**, McAllister TW, McCrea M, Pasquina PF, Buckley TA, Baseline concussion assessment performance by sex in military service academy rugby players: Findings from the CARE Consortium, *BMJ Military Health*, 170(e2):e161-e166, 2024.

Kontos AP, Shawn E, Chrisman S, Putukian M, Manderino LM, Holland CL, Collins M, **Broglia S**, McAllister TW, McCrea M, Pasquina P, Kaminski T, Incidence of concussion and associated risk factors in collegiate soccer: Findings from the NCAA-DoD CARE Consortium, *Science of Medicine in Football*, 8(3):189-195, 2024.

Kroshus E, Leeds DD, McAllister T, Kerr ZY, Knight K, Register Mihalik J, Lynall RC, D'Lauro C, Ho Y, Rahman M, **Broglia SP**, McCrea MA, Schmidt JD, CARE Consortium Investigators, Optimizing concussion care seeking: Using machine learning to identify individual and institutional factors that predict concussion care seeking, *American Journal of Sports Medicine*, 52(9):2372-2383, 2024.

Broglia SP, Register-Mihalik JK, Guskiewicz KM, Leddy JJ, Merriman A, Valovich McLeod TC. Updates to the 2014 National Athletic Trainers' Association bridge statement: Management of sport related concussion, *Journal of Athletic Training*, 9(3):225–242, 2024.

Davis GA, Schneider KJ, Anderson V, Babl FE, Barlow K, Blauwet CA, Bressan S, **Broglia SP**, Emery CA, Echemendia RJ, Gagon I, Gioia GA, Giza CC, Leddy JJ, Master CL, McCrea M, McNamee MJ, Meehan WP, Purcell L, Putukian M, Moser RS, Takagi M, Yeates KO, Zemek R, Patricios JS, Pediatric sport-related concussion: Recommendations from the Amsterdam consensus statement 2023, *Pediatrics*, 153(1):e2023063489, 2024.

Meier TB, Huber DL, Goeckner BD, Gill JM, Pasquina P, **Broglia SP**, McAllister TW, Harezlak J, McCrea MA, CARE Consortium Investigators, Association of blood biomarkers of inflammation with acute concussion in collegiate athletes and military service academy cadets, *Neurology*, 102(2):e207991, 2024.

Chang RC, Singleton M, Chrisman SP, Giza CC, Cuneo AZ, Murinova N, **Broglia SP**, McCrea M, McAllister TW, Sharma TL, Postinjury alcohol use is associated with prolonged recovery after concussion in NCAA athletes, *Clinical Journal of Sports Medicine*, 34(1):30-37, 2024.

Lempke LB, Breedlove KM, Caccese JB, McCrea MA, McAllister TW, **Broglia SP**, Schmidt JD, Lynall RC, Buckley TA, CARE Consortium Investigators, Pre-injury measures do not predict future concussion among collegiate student-athletes: Findings from the CARE Consortium. *American Journal of Physical Medicine and Rehabilitation*, 102(9):823-828, 2023.

Boltz AJ, Memmini AK, Brett BL, Snedden TR, Yengo-Kahn AM, Chandran A, Conway DP, Shah R, Pasquina P, McAllister TW, McCrea MA, Master CL, **Broglia SP**, CARE Consortium Investigators, Intersection of Race and Socioeconomic Status on Concussion Recovery among NCAA Student-Athletes: A CARE Consortium study, *Medicine and Science in Sport and Exercise*, 55(12), 2180-2193, 2023.

Garcia GGP, Czerniak LL, Lavieri MS, Liebel SW, Van Pelt KL, Pasquina PF, McAllister TW, McCrea MA, **Broglia SP**, Estimating the relationship between the symptom-free waiting period and injury rates after return-to-play from concussion: A simulation analysis using CARE Consortium data, *Sports Medicine*, 53(12), 2513-2528, 2023.

Aderman MJ, Brett BL, Ross JD, Malvasi SR, McGinty G, Jackson JC, Estevez CA, Brodeur RM, Svoboda SJ, McCrea MA, **Broglia SP**, McAllister TW, Pasquina PF, Cameron KL, Roach MH, Association between symptom cluster endorsement at initiation of a graduated return-to-activity protocol and time to return to unrestricted activity after concussion in United States service academy cadets, *American Journal of Sports Medicine*, 51(11):2996-3007, 2023

Mayer A, Meier T, Ling J, Dodd A, Brett B, Robertson-Benta C, Huber D, van der Horn H, Broglia SP, McCrea M, McAllister T, Increased brain age and relationships with blood-based biomarkers following concussion in younger populations, *Journal of Neurology*, 270(12):5835-5848, 2023.

Lempke LB, Teel EF, Lynall RC, Hoffman NL, Buckley TA, Eckner JT, McCrea MA, McAllister TA, **Broglia SP**, Schmidt JB, Early exercise is associated with faster concussion recovery among collegiate athletes: Findings from the NCAA-DoD CARE Consortium, *Sports Medicine*, 53(10):1987-1999, 2023.

Garcia GG, Lavieri M, McAllister T, McCrea M, **Broglia SP**, Reducing the Price of Naïveté in return-to-play from sports-related Concussion, *Production and Operations Management*, 32(10), 3081-3099, 2023.

Silverberg ND, Iverson GL; ACRM Brain Injury Special Interest Group Mild TBI Task Force and the ACRM Mild TBI Definition Expert Consensus Group, ACRM Brain Injury Special Interest Group Mild TBI Task Force members; Cogan A, Dams-O'Connor K, Delmonico R, Graf MJP, Iaccarino MA, Kajankova M, Kamins J, McCulloch KL, McKinney G, Nagele D, Panenka WJ, Rabinowitz AR, Reed N, Wethe JV, Whitehair V; ACRM Mild TBI Diagnostic Criteria Expert Consensus Group; Anderson V, Arciniegas DB, Bayley MT, Bazarian JJ, Bell KR, **Broglia SP**, Cifu D, Davis GA, Dvorak J, Echemendia RJ, Gioia GA, Giza CC, Hinds SR 2nd, Katz DI, Kurowski BG, Leddy JJ, Sage NL, Lumba-Brown A, Maas AIR, Manley GT, McCrea M, Menon DK, Ponsford J, Putukian M, Suskauer SJ, van der Naalt J, Walker WC, Yeates KO, Zafonte R, Zasler ND, Zemek R, The American Congress of Rehabilitation Medicine Diagnostic Criteria for Mild Traumatic Brain Injury, *Achieves of Physical Medicine and Rehabilitation*, 104(8):1343-1355, 2023.

Memmini AK, Mosesso KM, Perkins SM, Brett BL, Pasquina PF, McAllister TW, McCrea MA, **Broglia SP**, CARE Consortium Investigators, Premorbid risk factors and acute injury characteristics of sport-related concussion across the National Collegiate Athletic Association: Findings from the Concussion Assessment, Research, and Education (CARE) Consortium, *Sports Medicine*, 53(7):1457-1470, 2023.

Kay JJM, Mangold K, Lapointe A, McAllister T, McCrea M, **Broglia S**, Torres-McGehee T, Moore RD, CARE Consortium Investigators, Hormonal contraceptives do not influence concussion recovery in collegiate athletes: Data from the NCAA-DoD CARE Consortium, *Medicine & Science in Sports & Exercise*, 55(8):1375-1381, 2023.

Liebel, SW, Turner CG, Svirsko AC, Garcia GGP, Pasquina P, McAllister TW, McCrea MA, **Broglia SP**, CARE Consortium Investigators, Temporal network analysis of neurocognitive functioning and psychological symptoms in collegiate athletes after concussion, *Journal of Neurotrauma*, 40(15-16):1684-1693, 2023.

McAllister TW, **Broglia SP**, Katz BP, Perkins SM, LaPradd ML, Zhou W, McCrea MA, Characteristics and outcomes of athletes with slow recovery from concussion: A CARE Consortium study, *Neurology*, 100(14):e1510-e1519, 2023.

Memmini A, Kinnett-Hopkins D, Hasson R, Rifat S, **Broglio SP**, Considerations for implementing the post-concussion collegiate return-to-learn protocol in the Power 5 conferences, *Journal of Head Trauma Rehabilitation*, 38(4):336-347, 2023.

Memmini AK, Popovich MJ, Schuyten KH, Herring SA, Scott KL, Clugston JR, Choe MC, Bailey CM, Brooks MA, Anderson SA, McCrea MA, Kontos AP, Wallace JS, Register Mihalik JK, Kasamatsu TM, Valovich McLeod T, Weber Rawlins ML, Snedden TR, Kaplan M, Akani B, Orr LJCL, Hasson RE, Rifat SF, **Broglio SP**, Achieving consensus through a modified Delphi technique to create the post-concussion collegiate return-to-learn protocol, *Sports Medicine*, 53(4):903-916, 2023.

Kay J, Coffman C, Tavakoli A, Torres-McGehee T, **Broglio S**, Moore R, Concussion exposure and suicidal ideation, planning, and attempts among U.S. high school students, *Journal of Athletic Training*, 58(9):751-758, 2023.

Broglio SP, Perkins SM, Riggen L, Stemper BD, Shah A, McAllister TW, McCrea M, CARE Consortium Investigators, Similar concussion rates in spring football and preseason: Findings from the CARE Consortium, *Journal of Athletic Training*, 58(3):220-223, 2023.

Wu YC, Wen Q, Gill JM, Thukral R, Gao S, Lane KA, Meier TB, Riggen LD, Harezlak J, Giza CC, Goldman J, Guskiewicz KM, Mihalik JP, LaConte SM, Duma SM, **Broglio SP**, Saykin AJ, McAllister TW, McCrea MA, Longitudinal associations between blood biomarkers and white-matter MRI in sport-related concussion: A study of the NCAA-DoD CARE Consortium, *Neurology*, 101(2):e189-e201, 2023

Devoto C, Vorn R, Mithani S, Meier TB, Lai C, **Broglio S**, McAllister T, Giza C, Huber D, Harezla J, Cameron K, McGinty G, Jackson J, Guskiewicz K, Mihalik JP, Brooks A, Duma S, Rowson S, Nelson LD, Pasquina P, Turtzo C, Latour L, McCrea MA, Gill JM, CARE Consortium Investigators, Plasma phosphorylated tau 181 as a biomarker of mild traumatic brain injury: a finding from THINC and NCAA-DoD CARE Consortium prospective cohorts, *Frontiers Neurology*, 14, 2023

Patricios J, Schneider K, Dvorač J, Ahmed OH, Blauwet CA, Cantu RC, Davis GA, Echemendia RJ, Makdissi M, McNamee MJ, **Broglio SP**, Emery C, Fedderman N, Fuller G, Giza CC, Guskiewicz KM, Hainline B, Iverson GL, Kutcher J, Leddy JJ, Maddocks D, Manley GT, McCrea MA, Purcell L, Putukian M, Sato H, Tuominen M, Turner M, Yeates KO, Herring SA, Meeuwisse W, Consensus Statement on Concussion in Sport – The 6th International Conference on Concussion in Sport Held in Amsterdam, October 2022, *British Journal of Sports Medicine*, 57(11):695-711, 2023.

Putukian M, Purcell L, Schneider K, Black AM, Chandran A, Boltz A, Master CL, Register-Mihalik J, Anderson V, Davis G, Fremont P, Leddy J, Maddocks D, Premji Z, Ronskey P, Herring SA, **Broglio SP**, Clinical recovery from concussion: Return to school and sport, a systematic review and meta-analysis, *British Journal of Sports Medicine*, 57(12):798-809, 2023.

Eliason P, Galarneau JM, Kolstad AT, Pankow MP, West S, Bailey S, Miutz L, Black AM, **Broglio SP**, Davis GA, Hagel B, Smirl J, Stokes K, Takagi M, Tucker R, Webborn N, Zemek R, Hayden KA, Schneider KJ, Emery CA, Prevention strategies and modifiable risk factors for sport-related concussions and head impacts: A systematic review and meta-analysis, *British Journal of Sports Medicine*, 57(12):749-761, 2023.

Echemendia RJ, Burma JS, Bruce JM, Davis GA, Giza CC, Guskiewicz KM, Naidu DJ, Black AM, **Broglia SP**, Kemp S, Patricios J, Putukian M, Zemek R, Arango-Lasprilla JC, Bailey CM, Brett BL, Didehbani N, Gioia GA, Herring SA, Howell DR, Master C, Valovich McLeod TC, Meehan WP, Premji Z, Salmon D, van Ierssel JJ, Bhatela N, Makdissi M, Walton SR, Kissick J, Pardini J, Schneider K, Acute detection of sport-related concussion and implications for the SCAT Tools: A systematic review, *British Journal of Sports Medicine*, 57(11):722-735, 2023.

Echemendia RJ, Brett BL, **Broglia SP**, Davis GA, Giza CC, Guskiewicz KM, Harmon K, Herring SA, Howell DR, Master CL, Valovich McLeod TC, McCrea M, Patricios J, Putukian M, Walton SR, Schneider K, Burma JS, Bruce JM, Introducing the Sport Concussion Assessment Tool 6 (SCAT6), *British Journal of Sport Medicine*, 57(11):619-621, 2023.

Echemendia RJ, Brett BL, **Broglia S**, Davis GA, Giza CC, Guskiewicz KM, Harmon KG, Herring S, Howell DR, Master C, McCrea M, Naidu D, Patricios JS, Putukian M, Walton SR, Schneider KJ, Burma JS, Bruce JM, Sport concussion assessment tool™ - 6 (SCAT6), *British Journal of Sports Medicine*, 57(11):622-631, 2023.

Davis GA, Echemendia RJ, Ahmed OH, Anderson V, Blauwet C, Brett BL, **Broglia SP**, Bruce JM, Burma JS, Gioia GA, Giza CC, Guskiewicz KM, Harmon KG, Herring SA, Makdissi M, Master CL, McCrea MA, Valovich McLeod TC, Meehan WP, Naidu D, Patricios J, Purcell L, Putukian M, Schneider KJ, Walton SR, Yeates KO, Zemek R, Introducing the child sport concussion assessment tool 6 (Child SCAT6), *British Journal of Sports Medicine*, 57(11):632-635, 2023.

Davis G, Echemendia R, Ahmed O, Anderson V, Blauwet C, Brett B, **Broglia S**, Bruce J, Burma J, Gioia G, Giza C, Guskiewicz K, Harmon K, Herring S, Makdissi M, Master C, McCrea M, Meehan W, Naidu D, Patricios J, Purcell L, Putukian M, Schneider K, Valovich McLeod T, Walton S, Yeates K, Zemek R, Child SCAT6, *British Journal of Sports Medicine*, 57(11):636-647, 2023.

Schneider KJ, Patricios JS, Meeuwisse W, Schneider GM, Hayden KA, Premji Z, Ahmed OH, Blauwet C, **Broglia S**, Cantu RC, Davis GA, Dvorak J, Echemendia RJ, Emery CA, Iverson GL, Leddy JJ, Makdissi M, McCrea M, McNamee M, Putukian M, Yeates KO, Black AM, Burma JS, Critchley M, Eliason PH, Räsänen AM, Tabor JB, Toomey C, Ronksley PE, Cassidy JD, Amsterdam 2022 process: A summary of the methodology for the Amsterdam International Consensus on Concussion in Sport, *British Journal of Sports Medicine*, 57(11):712-721, 2023.

Broglia SP, Liebel S, Zhou W, Pasquina P, McAllister T, McCrea M, Jarezlak J, CARE Consortium Investigators, Recovery of clinical assessment metrics following sport-related concussion: Findings from the CARE Consortium, *New England Journal of Medicine*, 388(18), 1717-1719, 2023.

Le R, Ortega J, Chrisman S, Kontos AP, Buckley TA, Kaminski T, Meyer B, Clugston JR, Goldman J, McAllister TW, McCrea M, **Broglia SP**, Schmidt J, King-Devick sensitivity and specificity to concussion in collegiate athletes, *Journal of Athletic Training*, 58(2):97-105, 2023.

Nolan KE, Baccese JB, Kontos AP, Buckley TA, Garcia GGP, Port N, **Broglia SP**, McAllister TW, McCrea M, Pasquina PF, Hayes JP, CARE Consortium Investigators, Primary and secondary risk factors associated with concussion symptom clusters in collegiate athletes: Results from the NCAA-DoD Grand Alliance CARE Consortium, *Orthopedic Journal of Sports Medicine*, 11(4):23259671231163581, 2023.

Singichetti B, Marshall SW, Breedlove KM, Cameron KL, McCrea MA, McAllister TW, **Broglia SP**, CARE Consortium Investigators, School-level determinants of incidence of sports-related concussion: Findings from the CARE Consortium, *PLOS One*, 18(4): e0284259, 2023.

Schmidt JD, **Broglia SP**, Knight K, Leeds DD, Lynall RC, D'Lauro C, Register Mihalik JK, Kroshus E, McCrea M, McAllister T, Kerr ZY, CARE Consortium Investigators, Optimizing concussion care seeking: A longitudinal analysis of recovery, *American Journal of Sports Medicine*, 1(1):214-224, 2023.

Caccese JB, Garcia GGP, Kontos AP, Port N, Valerio K, **Broglia SP**, McCrea M, McAllister TW, Pasquina PF, Buckley TA, CARE Consortium Investigators, Test-retest reliability and efficacy of individual symptoms in concussion management, *Clinical Journal of Sports Medicine*, 33(1):52-60, 2023.

Czerniak L, Liebel SW, Zhou H, Garcia GGP, Lavieri MS, McCrea MA, McAllister TW, Pasquina PF, **Broglia SP**, Sensitivity and specificity of the ImpACT neurocognitive test in collegiate athletes and U.S. Military Service Academy cadets with ADHD and/or LD: Findings from the NCAA-DoD CARE Consortium, *Sports Medicine*, 3(3):747-759, 2023.

Caccese JB, Bryk KN, Porfido T, Bretzin AC, Peek K, Kaminski TW, Kontos AP, Chrisman SPD, Putukian M, Buckley TA, **Broglia SP**, McAllister TW, McCrea MA, Pasquina PF, Esopenko C, Cognitive and behavioral outcomes in male and female NCAA soccer athletes across multiple years: A CARE Consortium study, *Medicine & Science in Sports & Exercise*, 55(3):409-417, 2023.

Caccese JB, Schmidt JD, Moody JN, **Broglia SP**, McAllister TW, McCrea M, Pasquina PF, Buckley TA, CARE Consortium Investigators, Association between sports participation history and age of first exposure to high-risk sports with concussion history, *Research in Sports Medicine*, 31(3):260-272, 2023.

Gunn BS, McAllister TW, McCrea MA, **Broglia SP**, Moore RD; CARE Consortium Investigators, Neurodevelopmental disorders and risk of concussion: Findings from the National Collegiate Athletic Association Department of Defense Grand Alliance Concussion Assessment, Research, and Education (NCAA-DOD CARE) Consortium (2014-2017), *J Neurotrauma*, 39(5-6):379-389, 2022

Islam MN, Zhai T, Dobre A, Meah CN, Kovelman I, **Broglia S**, Beard D, Hu X, Joseph JR, Saadeh YS, Russo R, Alam H, Non-invasive monitoring of metabolism and hemodynamics using Super-Continuum Infrared Spectroscopy of Cytochrome-C-Oxidase (SCISCCO) I, nstrument, *MDPI Applied Sciences*, 12(19), 10122, 2022.

Vorn R, Devoto C, Meier TB, Lai C, Yun S, **Broglia SP**, Mithani S, McAllister T, Giza C, Kim HS, Huber D, Harezlak J, Cameron K, McGinty G, Jackson J, Guskiewicz K, Mihalik J, Brooks A, Duma S, Rowson S, Nelson LD, Pasquina P, McCrea MA, Gill JM, CARE Consortium Investigators, EPB41 and Alpha Synuclein are diagnostic biomarkers of a sports concussion: Findings from the NCAA and Department of Defense CARE Consortium, *Journal of Sport and Health Science*, 2095-2546(22)00114-4, 2022.

Whelan BM, Gause E, Ortega JD, Mills B, Schmidt JD, Kaminski TW, Breedlove KM, Buckley TA, Kontos AP, Clugston JR, Goldman JT, Harmon KG, McCrea M, McAllister T, **Broglia SP**, Chrisman SPD, King-Devick testing and concussion recovery time in collegiate athletes, *Journal of Science and Medicine in Sport*, 25(11):930-934, 2022.

Cunningham J, O'Dowd A, **Broglio SP**, Newell F, Kelly A, Oisin J, Januszewski J, Wilson F, Multisensory perception is not influenced by previous concussion history in retired rugby union players, *Brain Injury*, 36(9):1123-1132, 2022.

Seifert J, Shah AS, Harezlak J, Rowson S, Mihalik J, Rigger L, Duma S, Brooks A, Cameron KL, Giza CC, Goldman J, Guskiewicz K, Houston MN, Jackson JC, McGinty G, Pasquina P, **Broglio S**, McAllister T, McCrea MA, Stemper BD, Time delta head impact frequency: an analysis on head impact exposure in the lead up to a concussion: Findings from the NCAA-DoD CARE Consortium, *Annals of Biomedical Engineering*, 50(11):1473-1487, 2022.

Arbogast, Caccese JB, Buckley TA, McIntosh AS, Henderson K, Stemper BD, Solomon G, **Broglio SP**, Funk JR, Crandall JR, Consensus Head Acceleration Measurement Practices (CHAMP): Origins, Methods, Transparency and Disclosure, *Annals of Biomedical Engineering*, 50(11):1317-1345, 2022.

Register-Mihalik J, Leeds D, Kroshus E, Kerr ZY, Knight K, D'Lauro C, Lynall, RC, Ahmed T, Hagiwara Y, **Broglio SP**, McCrea MA, McAllister T, Schmidt JD, CARE Consortium Investigators, Optimizing concussion care seeking: Identification of institutional and individual factors predicting previous concussion diagnosis status, *Medicine and Science in Sport and Exercise*, 54(12):2087-2098, 2022.

Lynall RC, D'Lauro C, Kerr ZY, Knight K, Kroshus E, Leeds DD, Register Mihalik JK, McCrea M, **Broglio SP**, McAllister T, Schmidt JD, CARE Consortium Investigators, Optimizing concussion care seeking: The influence of previous concussion diagnosis status on baseline assessment outcomes, *American Journal of Sports Medicine*, 50(12):3406-3416, 2022.

Moody JN, Hayes JP, Buckley TA, Schmidt JD, **Broglio SP**, McAllister TW, McCrea M, Pasquina PF, Caccese JB, Age of first concussion and cognitive, psychological, and physical outcomes in NCAA collegiate student athletes, *Sports Medicine*, 52(11):2759-2773, 2022.

Vorn R, Mithani S, Devoto C, Meier T, Lai C, Yun S, **Broglio S**, McAllister T, Giza C, Kim HS, Huber D, Harezlak J, Cameron KL, McGinty G, Jackson J, Guskiewicz K, Mihalik JP, Brooks A, Duma S, Rowson S, Nelson L, Pasquina P, McCrea M, Gill JM, Proteomic profiling of plasma biomarker associated with return to sport following concussion: Findings from the NCAA and Department of Defense CARE Consortium, *Frontiers in Neurology*, 13:901238, 2022.

D'Lauro C, Jones ER, Swope L, Anderson M, **Broglio SP**, Schmidt J, Under-representation of female athletes in research informing influential concussion consensus and position statements: an evidence review and synthesis, *British Journal of Sports Medicine*, 56: 981-987, 2022.

Mustafi SM, Yang HC, Harezlak J, Meier TB, Brett BL, Giza CC, Goldman J, Guskiewicz KM, Mihalik JP, LaConte SM, Duma SM, **Broglio SP**, McCrea MA, McAllister TW, Wu YC, Effects of white-matter tract length in sports-related concussion: A tractography study from the NCAA-DoD CARE Consortium, *Journal of Neurotrauma*, 39(21-22):1495-1506, 2022.

Eagle SR, Asken B, Trbovich A, Houck ZM, Bauer RM, Clugston JR, **Broglia SP**, McAllister TW, McCrea MA, Pasquina P, Collins MW, Kontos AP, CARE Consortium Investigators, Estimated duration of continued sport participation following concussions and its association with recovery outcomes in collegiate athletes: Findings from the NCAA-DoD CARE Consortium, *Sports Medicine*, 52(8):1991-2001, 2022.

Kaminski TW, Chrisman SPD, Glutting J, Wahlquist V, Eagle S, Putukian M, Tierney R, Kontos AP, **Broglia SP**, McAllister TW, McCrea MA, Pasquina PF, CARE Site Investigators, Mechanisms of injury for concussions in collegiate soccer: An NCAA/DoD CARE Consortium Study, *Science and Medicine in Football*, 6(3):325-330, 2022.

Chou TY, Caccese JB, Glutting JJ, Buckley TA, **Broglia SP**, McAllister TW, McCrea MA, Pasquina PF, Kaminski TW, Effects of pre-collegiate sport specialization on baseline concussion assessments: findings from the NCAA-DoD CARE Consortium, *International Journal of Environmental Research and Public Health*, 19(4): 2335, 2022.

Swartz EE, Register-Mihalik JK, **Broglia SP**, Mihalik JP, Myers JL, Guskiewicz KM, Bailes JE, Hoge M, National Athletic Trainers' Association position statement: Reducing head-first contact in football, *Journal of Athletic Training*, 57(2):113-124, 2022.

Stemper B, Shah A, Harezlak J, Rowson S, Mihalik J, Rikken L, Duma S, Pasquina P, **Broglia S**, McAllister T, McCrea M, Association between preseason/regular season head impact exposure and concussion incidence in NCAA football, *Medicine and Science in Sport and Exercise*, 54(6):912-922, 2022.

Ferris LM, Kontos AP, Eagle SR, Elbin RJ, Clugston JR, **Broglia SP**, McCrea M, McAllister T, Pasquina PF, Port NL, Utility of VOMS, SCAT, and ImpACT baseline evaluations for acute concussion identification in collegiate athletes: Findings from the NCAA-DoD CARE Consortium, *American Journal of Sports Medicine* 50(4):1106-1119, 2022.

Garcia GGP, Schumb CM, Lavieri MS, Koffijberg H, McAllister TW, McCrea MA, **Broglia SP**, CARE Consortium Investigators, Developing insights for possible and probable acute concussions using cluster analysis: A CARE Consortium Investigation, *Journal of Neurotrauma*, 39(1-2):102-113, 2022.

Aderman M, Brett B, Malvasi S, McGinty G, Jackson J, Svoboda S, McCrea M, **Broglia S**, McAllister T, Pasquina P, Cameron K, Houston M, Association between symptom burden at initiation of a graduated return to activity protocol and time to return to unrestricted activity after concussion in service academy cadets, *American Journal of Sports Medicine*, 50(3):823-833, 2022.

Broglia SP, McAllister T, Katz B, LaPradd M, Zhou W, McCrea M, The natural history of sport-related concussion in collegiate athletes: Findings from the NCAA-DoD CARE Consortium, *Sports Medicine*, 52(2):403-415, 2022.

Memmini A, Van Pelt K, Wicklund A, Breedlove K, **Broglia SP**, Evaluating adult decision-making modifiers in support of youth contact sports participation, *Journal of Athletic Training*, 57(1):44-50, 2022.

Lempke LB, Lynall RC, Anderson MN, McCrea MA, McAllister TW, **Broglia SP**, Schmidt JD, CARE Consortium Investigators, Optimizing order of administration for concussion baseline assessment among NCAA student-athletes and military cadets, *Sports Medicine*, 52(1):165-176, 2022.

Eagle SR, Trbovich A, Mucha A, Sinnott A, Marchetti G, Port N, Ferris LM, Clugston J, Ortega J, Collins MW, **Broglia SP**, McAllister T, McCrea MA, Pasquina P, Kontos AP, Minimum detectable change and false positive rates of the Vestibular/Ocular Motor Screening (VOMS) tool: An NCAA-DoD CARE Consortium analysis, *Brain Injury*, 35(12-13):1563-1568, 2021.

Caccese JB, Eckner JT, Franco-MacKendrick L, Hazzard JB, Ni M, **Broglia SP**, McAllister TW, McCrea MA, Pasquina PF, Buckley TA, Interpreting clinical reaction time change and recovery after concussion: a baseline versus normative-based cutoff score comparison, *Journal of Athletic Training*, 56(8):851-859, 2021.

Callahan CE, Moore RD, Crew A, Vesia M, Register-Mihalik JK, **Broglia SP**, Postconcussion depressive symptoms and clinical assessment associations in adolescents, *Translational Journal of the American College of Sports Medicine*, 6(2), e000159, 2021.

Master CL, Katz B, Arbogast K, McCrea M, McAllister T, Pasquina P, LaPradd M, Zhou W, **Broglia SP**, CARE Consortium Investigators, Differences in sport-related concussion for females and males in comparable collegiate sports: A study from the NCAA-DoD Concussion Assessment, Research and Education (CARE) Consortium, *British Journal of Sports Medicine*, 5(24):1387-1394, 2021.

Giza CC, McCrea M, Huber D, Cameron K, Houston MN, Jackson JC, McGinty G, Pasquina P, **Broglia SP**, Brooks A, DiFiori J, Duma S, Harezlak J, Goldman J, Guskiewicz K, McAllister TW, McArthur D, Meier TB, Mihalik JP, Nelson LD, Rowson S, Gill J, CARE Consortium Investigators, Assessment of Blood Biomarker Profile After Acute Concussion During Combative Training Among US Military Cadets: A Prospective Study From the NCAA and US Department of Defense CARE Consortium, *JAMA Network Open*, 4(2):e2037731, 2021.

Castellanos J, Perng Phoo C, Eckner JT, Franco L, **Broglia SP**, McCrea M, McAllister T, Wiens J, CARE Consortium Investigators, Concussion risk prediction in collegiate athletes and military cadets: A machine learning approach using baseline data from the CARE Consortium study, *Sports Medicine*, 51(3):567-579, 2021.

Van Pelt KL, Caccese JB, Eckner JT, Putukian M, Brooks MA, Cameron KL, Houston MN, Posner MA, Jackson JC, McGinty GT, Hillis CJ, McAllister TW, McCrea MA, **Broglia SP**, Buckley TA, Detailed description of Division I Ice Hockey Concussions: Findings from the NCAA and Department of Defense CARE Consortium, *Journal of Sport and Health Science*, 10(2):162-171, 2021.

Van Pelt KL, Puetz T, Swallow J, Lapointe AP, **Broglia SP**, A Systematic-Review and Meta-Analysis of Concussion Rates: A Data-Driven Concussion Risk Classification, *Sports Medicine*, 51(6):1227-1244, 2021.

McCrea MA, Shah A, Duma S, Rowson S, Harezlak J, McAllister TW, **Broglia SP**, Giza CC, Goldman J, Cameron KL, Houston MN, McGinty G, Jackson JC, Guskiewicz K, Mihalik JP, Brooks MA, Pasquina P, Stemper BD, Opportunities for Prevention of Concussion and Repetitive Head Impact Exposure in College Football Players: A Concussion Assessment, Research, and Education (CARE) Consortium Study, *JAMA Neurology*, 78(3):346-350, 2021.

Caccese JB, Iverson GL, Hunzinger KJ, Clugston JR, Cameron KL, Houston MN, Svoboda SJ, Jackson JC, McGinty GT, Estevez CA, Susmarski AJ, Enrique A, Bryk KN, **Broglia SP**, McAllister TW, McCrea M, Pasquina PF, Buckley TA, CARE Consortium Investigators, Factors associated with symptom reporting in U.S. Service Academy cadets and NCAA student athletes without concussion: Findings from the CARE Consortium, *Sports Medicine*, 51(5):1087-1105, 2021.

Kontos AP, Eagle SR, Marchetti G, Sinnott A, Mucha A, Port N, Ferris LM, Elbin RJ, Clugston J Ortega J **Broglia SP**, McAllister T, McCrea M, Pasquina P, Collins MW, CARE Consortium Investigators, Discriminative validity of VOMS in identifying concussed from healthy collegiate athlete controls: An NCAA-DoD CARE Consortium study, *American Journal of Sports Medicine*, 49(8); 2211-2217, 2021.

Liebel SW, Edwards KAM, **Broglia SP**, Sensation-seeking and impulsivity in athletes with sport-related concussion, *Current Psychiatry Reports*, 23(4):15, 2021.

Cunningham J, **Broglia SP**, Wyse J, Farrell G, Denvir K, Wilson F, Athlete concussion history recall is underestimated: A validation study of self-reported concussion history among current professional rugby union players, *Brain Injury*, 35(1):65-71, 2021.

Harrison AT, McAllister T, McCrea M, **Broglia SP**, Moore RD, CARE Consortium Investigators Recovery profiles following concussion among male athletes with a family history of neurodegenerative disease: Data from the NCAA-DOD CARE Consortium, *Journal of Neurotrauma*, 38(4):485-492, 2021

Czerniak LL, Liebel SW, Garcia GGP, Lavieri MS, McCrea MA, McAllister T, **Broglia SP**, Sensitivity and specificity of computer-based neurocognitive assessments in sport-related concussion: Findings from the NCAA-DoD CARE Consortium, *Sports Medicine*, 51(2):351-365, 2021.

Memmini AK, La Fontaine MF, **Broglia SP**, Moore RD, Long-term influence of concussion on cardio-autonomic function in adolescent hockey players, *Journal of Athletic Training*, 56(2):141-147, 2021.

Kroshus E, Chrisman SPD, Harmon KG, Herring S, **Broglia SP**, Master CL, McGill CA, Putukian M, Register-Mihalik JK, Rivara FP, What do parents need to know about concussion? Developing consensus using the Delphi method, *Clinical Journal of Sports Medicine*, 31(2):139-144, 2021.

Houston MN, Van Pelt KL, D'Lauro C, Brodeur RM, Campbell DE, McGinty GT, Jackson JC, Kelly TF, Peck KY, Svoboda SJ, McAllister T, McCrea M, **Broglia SP**, Cameron KL, Test-retest reliability of concussion baseline assessments in United States service academy cadets: A report from the NCAA-DoD CARE Consortium, *Journal of the International Neuropsychological Society*, 27(1):23-34, 2021.

Silverberg ND, Iverson GL, ACRM Mild TBI Definition Expert Consensus Group (Arciniegas, DB, Bayley MT, Bazarian JJ, Bell KR, **Broglia SP**, Cifu D, Davis GA, Dvorak J, Echemendia RJ, Gioia GA, Giza CC, Hinds SR, Katz DI, Kurowski BG, Leddy JJ, Le Sage N, Lumba-Brown A, Maas AIR, Manley GT, McCrea M, McCrory P, Menon D, Putukian M, Suskauer SJ, van der Naalt J, Walker WC, Yeates KO, Zafonte R, Zasler N, Zemek R), ACRM Brain Injury Special Interest Group Mild TBI Task Force (Brown J, Cogan A, Dams-O'Connor K, Delmonico R, Graf MJP, Iaccarino MA, Kajankova M, Kamins J, McCullough KL, McKinney G, Nagele D, Panenka WJ, Rabinowitz AR, Reed N, Wethe JV, Whitehair V), Expert panel survey to update the American Congress of Rehabilitation Medicine definition of mild traumatic brain injury, *Archives of Physical Medicine & Rehabilitation*, 102(1):76-86, 2021.

Memmini AK, Sun X, Hu X, Kim J, Herzog NL, Islam MN, Weissman DH, Rogers AJ, Kovelman I, **Broglia SP**, Persistent alterations of cortical hemodynamic response in asymptomatic concussed patients, *Concussion*, 6(1):CNC84, 2020.

Rowson S, Campoletano ET, Duma SM, Stemper B, Shah A, Harezlak J, Riggan L, Mihalik JP, Guskiewicz KM, Giza C, Brooks A, Cameron K, Svoboda S, Campbell D, McGinty G, McAllister T, **Broglia S**, McCrea M, Concussion risk between individual football players: survival analysis of recurrent events and non-events, *Annals of Biomedical Engineering*, 48(11):2626-2638, 2020.

McGuine T, Pfaller A, Hetzel S, **Broglia S**, Hammer E, A prospective study of the impact of concussions on health outcomes in high school football players, *Journal of Athletic Training*, 55(10):1013-1019, 2020.

Bobholz SA, Brett, BL, España LY, Huber DL, Mayer AR, Harezlak J, **Broglia SP**, McAllister T, McCrea MA, Meier TB, CARE Consortium Investigators, Prospective study of the association between sport-related concussion and brain morphometry (3T-MRI) in collegiate athletes: A study from the NCAA-DOD CARE Consortium, *British Journal of Sports Medicine*, 55(3):169-174, 2020.

Wittrup E, Fox L, Breedlove K, Memmini A, **Broglia SP**, Evaluation of orthopedic re-injury occurrence in previously concussed professional football players, *Open Access Journal of Sport Medicine*, 11: 169–176 2020.

Wu YC, Harezlak J, Elsaid NMH, Lin Z, Wen Q, Mustafi SM, Riggan LD, Koch KM, Nencka AS, Meier TB, Mayer AR Wang Y, Giza CC, DiFiori JP, Guskiewicz KM, Mihalik JP, LaConte SM, Duma SM, **Broglia SP**, Saykin AJ, McCrea M, McAllister TW, Longitudinal white-matter abnormalities in sports-related concussion: A diffusion MRI study of the NCAA-DoD CARE Consortium, *Neurology*, 95(7):e781-e792, 2020.

Brett BL, Kramer MD, McCrea MA, **Broglia SP**, McAllister T, Nelson LD, Bifactor model of Sport Concussion Assessment Tool symptom checklist: Replication and invariance across time in the CARE Consortium sample, *American Journal of Sports Medicine*, 48(11):2783-2795, 2020.

Caccese JB, Houck Z, Kaminski TW, Clugston JR, Iverson GL, Bryk K, Oldham JR, Pasquina PF, **Broglia SP**, McAllister TW, McCrea M, Buckley TA, CARE Consortium Investigators, Estimated age of first exposure to American football and outcome from concussion, *Neurology*, 95(21):e2935-e2944, 2020.

Liebel SW, Van Pelt KL, Garcia GGP, Czerniak LL, McCrea MA, McAllister T, **Broglia SP**, CARE Consortium Investigators, The relationship between sport-related concussion and sensation-seeking, *International Journal of Molecular Science*, 21(23):E9097, 2020.

Sharma TL, Kerrigan JM, McArthur DL, Bickart K, McAllister TW, McCrea M, **Broglia S**, Giza CC, Flying after concussion and symptom recovery in NCAA Athletes and Military Cadets: A study from the CARE Consortium, *JAMA Network Open*, 3(11):e2025082, 2020.

Houston MN, O'Donovan K, Trump JR, Brodeur RM, McGinty GT, Wickiser JK, D'Lauro CJ, Jackson JC, Svoboda SJ, Susmarski AJ, **Broglia SP**, McAllister TW, McCrea MA, Pasquina P, Cameron KL, Progress and future directions of the NCAA-DoD Concussion Assessment, Research and Education (CARE) Consortium and Mind Matters Challenge at the U.S. Service Academies, *Frontiers Neurology*, 11:542733, 2020.

Mihalik JP, Chandran A, Powell JR, Roby PR, Guskiewicz KM, Stemper BD, Shah AS, Rowson S, Duma S, Harezlak J, Riggen L, **Broglia SP**, McAllister TW, McCrea M, CARE Consortium Investigators, Do head injury biomechanics predict concussion clinical recovery in college American football players?, *Annals of Biomedical Engineering*, 48 (11); 2555–2565, 2020.

Brett BL, Bobholz SA, España LY, Huber DL, Mayer AR, Harezlak J, **Broglia SP**, McAllister T, McCrea MA, Meier TB, CARE Consortium Investigators, Cumulative effects of prior concussion and contact sport participation on brain morphometry in collegiate athletes: A study from the NCAA-DoD CARE Consortium, *Frontiers in Neurology*, 11:673, 2020.

Van Pelt K, Allred D, Brodeur R, Cameron K, Campbell D, D'Lauro C, He X, Houston M, Johnson B, Kelly T, McGinty G, Meehan S, O'Donnell P, Peck K, Svoboda S, Pasquina P, McAllister T, McCrea M, **Broglia SP**, Concussion recovery trajectories among tactical athletes: Results from the CARE Consortium, *Journal of Athletic Training*, 55(7):658-665, 2020.

Pattinson CL Meier TB, Guedes VA, Lai C, Devoto C, **Broglia SP**, McAllister T, Giza C, Huber D, Harezlak J, Cameron K, McGinty G, Jackson J, Guskiewicz K, Mihalik J, Brooks A, Duma S, Rowson S, Nelson LD, Pasquina P, McCrea M, Gill JM, CARE Consortium Investigators, Plasma biomarker concentrations associated with return to sport following sport-related concussion in collegiate athletes: A Concussion Assessment, Research and Education (CARE) Consortium Study, *JAMA Network Open*, 3(8): e2013191, 2020.

Garcia GGP, Yang J, Lavieri MS, McAllister TW, McCrea MA, **Broglia SP**, CARE Consortium Investigators, Optimizing components of the Sport Concussion Assessment Tool for acute concussion assessment, *Neurosurgery*, 87(5):971-981, 2020.

Schmidt JD, Weber Rawlins ML, Lynall RC, D'Lauro C, Clugston J, McAllister TW, McCrea M, **Broglia SP**, CARE Consortium Investigators. Medical disqualification following concussion in collegiate student-athletes: Findings from the CARE Consortium, *Sports Medicine*, 50(10):1843-1855, 2020.

Asken BM, Houck ZM, Schmidt JD, Bauer RM, **Broglia SP**, McCrea MA, McAllister TW, Clugston JR, A normative reference vs. baseline testing compromise for ImpACT: the CARE Consortium Multiple Variable Prediction (CARE-MVP) Norms, *Sports Medicine*, 50(8):1533-1547 (2020).

Moran R, **Broglia S**, Francioni K, Sosnoff J, Exploring baseline concussion assessment performance in adapted wheel-chair sport athletes, *Journal of Athletic Training*, 55(8):856-862, 2020.

Eckner JT, Wang J, Nelson L, Bancroft R, Pohorence M, He X, **Broglia SP**, Giza CC, Guskiewicz KM, Kutcher JS, McCrea M, Effect of routine sport participation on short-term clinical neurological outcomes: A comparison of non-contact, contact, and collision sport athletes, *Sports Medicine*, 50(5):1027-1038, 2020.

Caccese JB, Bodt BA, Iverson GL, Kaminski TW, Bryk K, Oldham JR, **Broglia SP**, McCrea M, McAllister TW, Buckley TA, Estimated age of first exposure to contact sports and neurocognitive, psychological, and physical outcomes in healthy NCAA collegiate athletes: A cohort study, *Sports Medicine*, 50(7):1377-1392, 2020.

Caccese J, Eckner JT, Franco-MacKendrick L, Hazzard J, Ni M, **Broglia SP**, McAllister T, McCrea M, Clinical reaction time performance factors in healthy collegiate athletes, *Journal of Athletic Training*, 55(6):601-607, 2020.

Brett BL, Breedlove K, McAllister T, **Broglia SP**, McCrea MA, CARE Consortium Investigators, Investigating the range of symptom endorsement at initiation of a graduated return to play protocol after concussion and duration of the protocol: A study from the NCAA-DoD Concussion, Assessment, Research, and Education (CARE) Consortium, *American Journal of Sports Medicine*, 48(6):1476-1484, 2020.

McAllister-Deitrick J, Sufrinko AM, **Broglia SP**, McCrea M, McAllister TW, Kontos AP, Impact of diagnosed sleep disorder on concussion baseline symptom, cognitive, and balance assessments in collegiate athletes, *American Journal of Sports Medicine*, 48(4):991-999, 2020.

Hoffman NL, Weber ML, **Broglia SP**, McCrea M, McAllister TW, Schmidt JD, CARE Consortium Investigators, Influence of post-concussion sleep duration on concussion recovery in collegiate athletes, *Clinical Journal of Sports Medicine*, Suppl 1:S29-S35, 2020

Clugston JR, Chrisman SPD, Houck ZM, Asken BM, Boone JK, Buckley TA, Hoffman NL, Schmidt JD, Kontos AP, Jaffee MS, Harmon KG, **Broglia SP**, McCrea MA, McAllister TW, Ortega JD. King-Devick test time varies by testing modality, *Clinical Journal of Sports Medicine*, 30(5):e139-e142, 2020

Stemper BD, Shah AS, Harezlak J, Rowson S, Riegen LD, Giza CC, DiFiori JP, Brooks A, Guskiewicz KM, Svoboda SJ, Cameron KL, Campbell D, McGinty GT, Mihalik JP, Duma SM, McAllister TW, **Broglia SP**, McCrea M, Descriptive analysis of repetitive head impact exposure in concussed American football athletes compared to position- and team-matched controls, *Medicine and Science in Sports and Exercise*, 52(7):1629-1638, 2020.

Garcia GGP, Lavieri MS, Jiang R, McCrea MA, McAllister TW, **Broglia SP**, CARE Consortium Investigators, Data-driven stochastic optimization approaches to determine decision boundaries for risk estimation models, *IISE Transactions*, 52 (10): 1098-1121, 2020.

Cunningham J, Wilson F, **Broglia SP**, O'Grady M, History of sport-related concussion and long-term clinical cognitive health outcomes in retired athletes: A systematic review, *Journal of Athletic Training*, 55(2):132-158, 2020.

Brett B, Wu YC, Mustafi SM, Saykin AJ, Koch KM, Nencka AS, Giza CC, DiFiori JP, Guskiewicz KM, Mihalik JP, LaConte SM, Duma SM, **Broglia SP**, McAllister TW, McCrea MA, Meier TB, The association between persistent white-matter abnormalities and risk of repeat injury after sport-related concussion, *Frontiers Neurology*, 10;1345, 2020.

McCrea M, **Broglia SP**, McAllister TW, Gill J, Giza CC, Huber DL, Harezlak J, Cameron KL, Houston MN, McGinty G, Jackson JC, Guskiewicz K, Mihalik J, Brooks MA, Duma S, Rowson S, Nelson LD, Pasquina P, Meier TB, CARE Consortium Investigators, Association of blood biomarkers with acute sport-related concussion in collegiate athletes: Findings from the NCAA and Department of Defense CARE Consortium, *JAMA Network Open*, 3(1), e1919771, 2020.

McCrea M, **Broglia SP**, McAllister T, Zhou W, Zhao S, Katz BP, Kudela M, Harezlak J, Nelson LD, Meier TB, Marshall SW, Guskiewicz KM, Return to play and risk of repeat concussion in collegiate football players: Comparative analysis from the NCAA Concussion Study (1999-2001) and CARE Consortium (2014-2017), *British Journal of Sports Medicine*, 54(2):102-109, 2020.

Meier TB, Giraldo-Chica M, España LY, Mayer AR, Nencka AS, Wang Y, Koch KM, Wu YC, Harezlak J, Saykin AJ, Giza CC, Goldman J, Guskiewicz KM, Mihalik JP, Brooks A, **Broglia SP**, McAllister T, McCrea MA, Resting-state fMRI metrics in acute sport-related concussion and their association with clinical recovery: A study from the NCAA-DOD CARE Consortium, *Journal of Neurotrauma*, 37(1):152-162, 2020.

Caccese J, Iverson G, Cameron K, Houston M, McGinty J, Jackson J, O'Donnell P, Pasquina P, **Broglia SP**, McCrea M, McAllister T, Buckley, T, Estimated age of first exposure to contact sports is not associated with greater symptoms or worse cognitive functioning in male U.S. Service Academy athletes, *Journal of Neurotrauma*, 37(2):334-339, 2020.

Van Pelt KL, Lapointe AP, Galdys MC, Dougherty LA, Buckley TA, **Broglia SP**, Evaluating performance of National Hockey League players after a concussion versus lower body injury. *Journal of Athletic Training*, 54(5):534-540, 2019.

Buckley TA, Bryk KN, Van Pelt KL, **Broglia SP**, East SA, Zuckerman SL, Kuhn AW, Concussion and National Hockey League player performance: An advanced hockey metrics analysis. *Journal of Athletic Training*, 54(5):527-533, 2019.

Klein AP, Tetzlaff JE, Bonis JM, Nelson LD, Mayer AR, Huber DL, Harezlak J, Mathews VP, Ulmer JL, Sinson GP, Nencka AS, Koch KM, Wu Y, Saykin AJ, **Broglia SP**, McAllister T, McCrea MA, Meier TB, CARE Consortium Investigators. Prevalence of potentially clinically significant magnetic resonance imaging findings in athletes with and without sport-related concussion. *Journal of Neurotrauma*, 36(11):1776-1785, 2019.

Houck ZM, Asken BM, Bauer RM, Caccese JB, Buckley TA, McCrea MA, McAllister T, **Broglia SP**, Clugston JR, CARE Consortium Investigators, Academic aptitude mediates the relationship between socioeconomic status and race in predicting ImpACT scores in college athletes. *Clinical Neuropsychologist*, 24:1-19, 2019.

Asken BM, Houck ZM, Clugston JR, Larrabee GJ, McCrea MA, **Broglia SP**, McAllister TW, and Bauer RM, and CARE Consortium Investigators, Word-reading ability as a "hold test" in cognitively normal young adults with history of concussion and repetitive head impact exposure: A CARE Consortium Study. *The Clinical Neuropsychologist*, 7:1-18, 2019.

Joseph J, Swallow J, Willsey K, Almeida A, Lorincz M, Fraumann R, Oppenlander M, Szerlip N, **Broglia SP**, Pupillary changes after clinically asymptomatic high-acceleration head impacts in high school football athletes. *Journal of Neurosurgery*, 26:1-6, 2019.

Clugston J, Houck Z, Asken B, Boone J, Kontos A, Buckley T, Schmidt J, Chrisman S, Hoffman N, Harmon K, Kaminski T, Collins M, McAllister T, McCrea M, **Broglia SP**, Ortega J, Relationship between the King-Devick Test and commonly used concussion tests at baseline, *Journal of Athletic Training*, 54(12):1247-1253, 2019.

Breedlove K, Ortega J, Kaminski T, Harmon K, Schmidt J, Kontos A, Clugston J, Chrisman S, McCrea M, McAllister T, **Broglia SP**, Buckley T, King-Devick test reliability in National Collegiate Athletic Association Athletes: A National Collegiate Athletic Association-Department of Defense Concussion Assessment, Research and Education report, *Journal of Athletic Training*, 54(12):1241-1246, 2019.

McGuine TA, Pfaller A, Kliethermes S, Schwarz A, Hertzels S, Hammer E, **Broglia SP**, The effect of sport-related concussion injuries on concussion symptoms and health-related quality of life in male and female adolescent athletes: A prospective study, *American Journal of Sports Medicine*, 47(14):3514–3520, 2019.

Rowson S, Campoletano ET, Duma SM, Stemper B, Shah A, Harezlak J, Riggen L, Mihalik JP, Guskiewicz KM, Giza C, DiFiori J, Brooks A, Cameron K, Svoboda S, Campbell D, McGinty G, McAllister T, **Broglia SP**, McCrea M, Accounting for variance in concussion tolerance between individuals: Comparing head accelerations between concussed and physically matched control subjects, *Annals of Biomedical Engineering*, 47(10):2048-2056, 2019.

Stemper BD, Shah AS, Mihalik JP, Harezlak J, Rowson S, Duma S, Riggen LD, Brooks A, Cameron KL, Giza CC, Goldman J, Houston MN, Jackson J, Menser M, McGinty G, **Broglia SP**, McAllister TW, McCrea M, CARE Consortium Investigators, Repetitive head impact exposure in college football following an NCAA rule change to eliminate two-a-day preseason practices: A Study from the NCAA-DoD CARE Consortium, *Annals of Biomedical Engineering*, 47(10):2073-2085, 2019.

Stemper BD, Shah AS, Harezlak J, Rowson S, Mihalik JP, Duma SM, Riggen LD, Brooks A, Cameron KL, Campbell D, DiFiori JP, Giza CC, Guskiewicz KM, Jackson J, McGinty GT, Svoboda SJ, McAllister TW, **Broglia SP**, McCrea M; CARE Consortium Investigators. Comparison of head impact exposure between concussed football athletes and matched controls: Evidence for a possible second mechanism of sport-related concussion. *Annals of Biomedical Engineering*, 47(10):2057-2072, 2019.

Campolettano ET, Rowson S, Duma SM, Stemper B, Shah A, Harezlak J, Rikken LD, Mihalik J, Brooks A, Cameron K, Giza CC, McAllister T, **Broglio SP**, McCrea M, Factors affecting head impact exposure in college football practices: A multi-institutional study, *Annals of Biomedical Engineering*, 47(10):2086-2093, 2019.

Swartz EE, Myers JL, Cook SB, Guskiewicz KM, Ferrara MS, Cantu RC, Hong C, **Broglio SP**, A helmetless-tackling intervention in American football for decreasing head impact exposure: A randomized controlled trial, *Journal of Science and Medicine in Sport*, 22(10):1102-1107, 2019.

Houck ZM, Asken BM, Bauer R, Kontos AP, McCrea MA, McAllister TW, **Broglio SP**, Clugston JR, CARE Consortium Investigators, Multivariate base rates of low scores and reliable decline on IMPACT in healthy collegiate athletes using CARE Consortium norms, *Journal of the International Neuropsychological Society*, 25(9):961-971, 2019.

Chrisman SPD, Harmon KG, Schmidt JD, Kaminski TW, Buckley TA, Kontos AP, Clugston JR, McCrea M, McAllister TW, **Broglio SP**, Ortega J Impact of factors that affect reading skill level on King-Devick baseline performance time, *Annals of Biomedical Engineering*, 47(10):2122-2127, 2019.

Weber ML, Lynall RC, Hoffman NL, Miller EH, Kaminski TW, Buckley T, Benjamin HJ, Miles CM, Whitlow CT, Lintner L, **Broglio SP**, McCrea M, McAllister T, Schmidt JD, CARE Consortium Investigators. Health-related quality of life following concussion in collegiate student-athletes with and without concussion history. *Annals of Biomedical Engineering*, 47(10):2136-2146, 2019.

Wang Y, Nencka AS, Meier TB, Guskiewicz KM, Mihalik JP, Brooks MA, Saykin AJ, Koch KM, Wu YC, Nelson LD, McAllister TW, **Broglio SP**, McCrea MA, Cerebral blood flow in acute concussion: ASL findings from the NCAA-DoD CARE Consortium, *Brain Imaging and Behavior*, 13(5):1375-1385, 2019.

Broglio SP, Harezlak J, Katz B, Zhao S, McAllister T, McCrea M, Acute sport concussion assessment optimization: A prospective assessment from the CARE Consortium, *Sports Medicine*, 49(12), 1977-1987, 2019.

Caccese JB, DeWolf RM, Kaminski TW, **Broglio SP**, McAllister TW, McCrea M, Buckley TA, Estimated age of first exposure to American football and neurocognitive performance amongst NCAA male student-athletes: A cohort study, *Sports Medicine*, 49(3):477-487, 2019.

Garcia GG, Lavieri MS, Jiang R, McAllister TW, McCrea MA, **Broglio SP**, CARE Consortium Investigators, A data-driven approach to Unlikely, Possible, Probable, and Definite acute concussion assessment, *Journal of Neurotrauma*, 36(10):1571-1583, 2019.

Van Pelt KL, Allred CD, Cameron KL, Campbell DE, D'Lauro CJ, He X, Houston MN, Johnson BR, Kelly TF, McGinty G, Meehan SK, O'Donnell PG, Peck KY, Svoboda SJ, Pasquina P, McAllister T, McCrea M, **Broglio SP**, A cohort study to identify and evaluate concussion risk factors across multiple activities: Findings from the CARE Consortium, *Injury Epidemiology*, 6(1):1, 2019.

Joseph JR, Swallow JS, Willsey K, Lapointe AP, Khalatbari S, Korley FK, Oppenlander ME, Park P, Szerlip NJ, **Broglio SP**, Elevated markers of brain injury as a result of clinically asymptomatic high-acceleration head impacts in high school football athletes, *Journal of Neurosurgery*, 130(5): 1642-1648, 2019.

McGuine T, Pfaller A, Post E, Hetzel S, Brooks A, **Broglio SP**, The influence of athletic trainers on the incidence and management of concussions in high school athletes, *Journal of Athletic Training*, 53(11):1017-1024, 2018.

Broglio SP, Kontos AP, Levin H, Schneider K, Wilde EA, Cantu, RC, Feddermann-Demont N, Fuller GW, Gagnon I, Gioia GA, Giza C, Griesbach GS, Leddy JJ, Lipton ML, Mayer AR, McAllister TW, McCrea M, McKenzie L, Putukian M, Signoretti S, Suskauer SJ, Tamburro R, Turner M, Yeates KO, Zemek R, Ala'i S, Esterlitz J, Gay K, Bellgowan PSF, Joseph K, The National Institute of Neurological Disorders and Stroke and Department of Defense Sport-Related Concussion Common Data Elements Version 1.0 Recommendations, *Journal of Neurotrauma*, 35(23):2776-2783, 2018.

O'Connor KL, Allred CD, Cameron KL, Campbell DE, D'Lauro CJ, Houston MN, Johnson BR, Kelly T, McGinty G, O'Donnell PG, Peck KY, Svoboda SJ, Pasquina P, McAllister T, McCrea M, **Broglio SP**. Descriptive analysis of a baseline concussion battery among United States service academy cadets: Results from the Concussion Assessment, Research and Education (CARE) Consortium. *Military Medicine*, 183(11-12):e580-e590, 2018

Mustafi S, Harezlak J, Koch K, Nencka A, Meier T, West J, Giza C, DiFiori J, Guskiewicz K, Mihalik J, LaConte S, Duma S, **Broglio S**, Saykin A, McCrea M, McAllister T, Wu YC, Acute white-matter abnormalities in sports-related concussion: A diffusion tensor imaging study from the NCAA-DoD CARE Consortium, *Journal of Neurotrauma*, 35(22): 2653-2664, 2018.

Eckner JT, O'Connor KL, **Broglio SP**, Ashton-Miller JA, Comparison of head impact exposure in male and female high school ice hockey athletes, *American Journal of Sports Medicine*, 46(9):2253-2262, 2018.

Katz BP, Kudela MP, Harezlak J, McCrea M, McAllister T, **Broglio SP**, Baseline performance of NCAA athletes on a concussion assessment battery: A report from the CARE consortium, *Sports Medicine*, 48(8): 1971-1985, 2018.

Martini DN, **Broglio SP**, Long-Term Effects of Sport Concussion on Cognitive and Motor Performance: A Review, *International Journal of Psychophysiology*, 132(A): 25-30, 2018 (invited).

Lapointe AP, Nolasco L, Sosnowski A, Andrews E, Martini DN, Palmeiri-Smith RM, Gates DH, **Broglio SP**, Altered kinematics during a jump cut maneuver in those with a concussion history, *International Journal of Psychophysiology*, 132(A): 93-98, 2018 (invited).

Nencka AS, MeierTB, Wang Y, Muftuler LT, Wu YC, Saykin AJ, Harezlak J, Brooks MA, Giza CC, DiFiori J, Guskiewicz KM, Mihalik JP, LaConte SM, Duma SM, **Broglio S**, McAllister TW, McCrea MA, Koch KM, Stability of MRI Metrics in the Advanced Research Core of the NCAA-DoD Concussion Assessment, Research and Education (CARE) Consortium, *Brain Imaging and Behavior*, 12(4),1121-1140, 2018.

Garcia GGP, Lavieri MS, McCrea M, McAllister T, **Broglio SP**, CARE Consortium Investigators, Quantifying the value of multidimensional assessment models for acute concussion, *Sports Medicine*, 48(7): 1739-1749, 2018.

Beckwith JG, Zhao W, Songbai J, Ajamil AG, Bolander RP, Chu JJ, McAllister TW, Crisco JJ, Duma SM, Rowson S, **Broglia SP**, Guskiewicz KM, Mihalik JP, Anderson S, Schnebel B, Brolinson PG, Collins MW, Greenwald RM, Estimated brain tissue response following impacts associated with and without diagnosed concussion, *Annals of Biomedical Engineering*, 46(6):819-830, 2018.

Weber ML, Dean JHL, Hoffman NL, **Broglia SP**, McCrea M, McAllister T, Schmidt JD, CARE Consortium Investigators. Influences of mental illness, current psychological state, and concussion history on baseline concussion assessment performance, *American Journal of Sports Medicine*, 46(7):1742-1751, 2018.

Schmidt JD, Rizzone K, Hoffman NL, Weber ML, Jones C, Bazarian J, **Broglia SP**, McCrea M, McAllister TW, CARE Consortium Investigators, Influence of developmental stage and age at first concussion on number of subsequent concussion, *Pediatric Neurology*, 81:19-24, 2018.

Asken BM, Bauer RM, Guskiewicz KM, McCrea MA, Schmidt JA, Giza CC, Snyder AR, Houck ZM, Kontos AP, McAllister TW, **Broglia SP**, Clugston JR, Immediate removal from activity after sport-related concussion associated with shorter clinical recovery and less severe symptoms in collegiate student-athletes, *American Journal of Sports Medicine*, 46(6):1465-1474, 2018.

Cunningham J, **Broglia SP**, Wilson F, The influence of playing rugby on long-term brain health following retirement; A systematic review and narrative synthesis, *British Medical Journal Open: Sport and Exercise Medicine*, 25;4(1), 1-11, 2018.

Broglia SP, Katz BP, Zhao S, McCrea M, McAllister T, CARE Consortium Investigators, Test-retest reliability and interpretation of common concussion assessment tools: Findings from the NCAA-DoD CARE Consortium, *Sports Medicine*, 48(5):1255-1268, 2018.

Rowson S, Duma SM, Stemper BD, Shah A, Mihalik JP, Harezlak J, Riggen LD, Giza CC, DiFiori J, Brooks A, Guskiewicz K, Campbell D, McGinty J, Svoboda S, Cameron K, **Broglia SP**, McAllister T, McCrea M, Correlation of concussion symptom profile with head impact biomechanics: A case for individual-specific injury tolerance, *Journal of Neurotrauma*, 35(4):681-690, 2018.

Broglia SP, Williams R, Rettmann AN, Moore B, Eckner JT, Meehan S, No seasonal changes in cognitive functioning among high school football athletes: Implementation of a novel electrophysiological measure and standard clinical measures, *Clinical Journal of Sports Medicine*, 28(2): 130-138, 2018.

Swallow, J, Joseph J, Willsey K, Lorincz M, Almeida A, Park P, Szerlip, **Broglia SP**, Online resources provide inconsistent return to play instructions following concussion, *Journal of Neurosurgery - Pediatrics*, 21(1):44-48, 2018.

Alsalaheen B, Stockdale K, Pechumer D, **Broglia SP**, Marchetti G, A comparative meta-analysis of the effects of concussion on a computerized neurocognitive test and self-reported symptoms, *Journal of Athletic Training*, 52(9):834-846, 2017.

Broglia SP, Lapointe AP, O'Connor KL, McCrea M, Head impact density: A model to explain the elusive concussion threshold, *Journal of Neurotrauma*, 34(19): 2675-2683, 2017.

O'Connor KL, Peeters T, Szymanski S, **Broglia SP**, Individual impact magnitude vs cumulative magnitude for estimating concussion odds, *Annals of Biomedical Engineering*, 45(8):1985-1992, 2017.

Broglia SP, Williams R, Rettmann AN, Moore B, Meehan S, Eckner JT, Implementation of a novel neuroelectric measure for concussion diagnosis and return to play decision making, *Frontier in Neurology - Neurotrauma*, 8:252, 2017.

Alsalaheen B, Stockdale K, Pechumer D, Giessing A, He X, **Broglia SP**, Cumulative effects of concussion history on baseline neurocognitive performance: Systematic review and meta-analysis, *Sports Health: A Multidisciplinary Approach*, 9(4):324-332, 2017.

Broglia SP, McCrea M, McAllister T, Harezlak J, Katz B, Hack D, Hainline B, CARE Consortium Investigators, A national study on the effects of concussion in collegiate athletes and U.S. military service academy members: The NCAA-DoD Concussion Assessment, Research and Education (CARE) Consortium structure and methods, *Sports Medicine*, 47(7):1437-1451, 2017.

Echemendia RJ, **Broglia SP**, Davis GA, Guskiewicz KM, Hayden KA, Leddy J, Meehan W, Putukian M, Sullivan SJ, Schneider KJ, McCrory P, What tests and measures should be added to the SCAT3 and related tests to improve their reliability, sensitivity and/or specificity in sideline concussion diagnosis? A systematic review, *British Journal of Sports Medicine*, 51(11):895-901, 2017.

Echemendia RJ, Meeuwisse W, McCrory P, Davis GA, Putukian M, Leddy J, Makdissi M, Sullivan J, **Broglia SP**, Raferty M, Schneider K, Kissick J, McCrea M, Dvorak J, Sills AK, Aubry M, Engebretsen L, Lossemore M, Fuller G, Kutcher J, Ellenbogen R, Guskiewicz K, Patricios, Herring S, The Concussion Recognition Tool 5th Edition (CRT5): Background and rationale, *British Journal of Sports Medicine*, 51(11):870-871, 2017.

Echemendia RJ, Meeuwisse W, McCrory P, Davis GA, Putukian M, Leddy J, Makdissi M, Sullivan J, **Broglia SP**, Raferty M, Schneider K, Kissick J, McCrea M, Dvorak J, Sills AK, Aubry M, Engebretsen L, Lossemore M, Fuller G, Kutcher J, Ellenbogen R, Guskiewicz K, Patricios, Herring S, The Sport Concussion Assessment Tool 5th Edition (SCAT5): Background and Rationale, *British Journal of Sports Medicine*, 51(11):848-850, 2017.

McCrory P, Meeuwisse W, Dvorak J, Aubry M, Bailes J, **Broglia SP**, Cantu R, Cassidy D, Castellani R, Davis G, Echemendia R, Ellenbogen R, Emery C, Engebretsen L, Feddermann-Demont N, Giza C, Guskiewicz K, Herring S, Iverson G, Johnston K, Kissick J, Kutcher J, Leddy J, Maddocks D, Makdissi M, Manly G, McCrea M, Meehan W, Nagahiro S, Patricios J, Putukian M, Raftery M, Schneider K, Sills A, Tator C, Turner M, Vos P, Consensus statement on concussion in sport - The 5th international conference on concussion in sport held in Berlin, October 2016, *British Journal of Sports Medicine*, 51(11):838-847, 2017.

Martini DN, Eckner JT, Meehan SK, **Broglia SP**, Long-term effects of adolescent, sport concussion across the age spectrum, *American Journal of Sports Medicine*, 45(6):1420-1428, 2017.

O'Connor KL, Niceley MM, Dalton SL, Dompier TP, **Broglia SP**, Kerr KY, Epidemiology of sport-related concussions in high school athletes: National Athletic Treatment, Injury and Outcomes Network (NATION), 2011-2012 through 2013-2014, *Journal of Athletic Training*, 52(3):175-185, 2017.

O'Connor KL, Rowson S, Duma SM, **Broglia SP**, Head impact measurement devices: A systematic review, *Journal of Athletic Training*, 52(3):206-227, 2017.

Broglia SP, Norwig J, Guskiewicz KM, If you're not measuring, you're guessing: The advent of objective concussion assessments, *Journal of Athletic Training*, 52(3):160-166, 2017.

Kerr Z, Roos K, Djoko A, Dalton S, **Broglia SP**, Marshall S, Dompier T, Epidemiologic measures for quantifying the incidence of concussion in National Collegiate Athletic Association sports, *Journal of Athletic Training*, 52(3):175-185, 2017.

Broglia SP, Is the sky falling? The persistent effects of concussion, *Frontiers in Kinesiology*, 6:110-119, 2017.

Meehan SK, Mirdamadi JL, Martini DN, **Broglia SP**, Changes in cortical plasticity in relation to a history of concussion during adolescence., *Frontiers in Human Neuroscience* 11:5, 2017.

Broglia SP, Baldwin G, Castellani RJ, Chrisman SPD, Hainline B, Gerstner JC, Guskiewicz KM, Kutcher J, Lamba A, McCrea M, Pachman S, Randolph C, Valovich McLeod TC, Summary of the 2015 University of Michigan Sport Concussion Summit, *Concussion*, 1(4), 2016.

Cooper E, Ferrara M, Casa D, Powell J, **Broglia SP**, Resch J, Courson R, Exertional heat illness in American football: When is the greatest risk?, *Journal of Athletic Training*, 51(8):593-600, 2016.

Alsalaheen B, Stockdale K, Pechumer D, **Broglia SP**, Validity of the Immediate Post Concussion Assessment and Cognitive Testing (ImPACT), *Sports Medicine*, 46(10):1487-1501, 2016.

Broglia SP, Rettmann A, Greer J, Brimacombe S, Moore B, Narisetty N, He X, Eckner JT, Investigating a novel measure of brain networking following sports concussion, *International Journal of Sports Medicine*, 37(9):714-722, 2016.

Broglia SP, Williams RM, O'Connor KL, Goldstick J, Football head-impact exposure after limiting full-contact practices, *Journal of Athletic Training*, 51(7):511-518, 2016.

Alsalaheen B, Stockdale K, Pechumer D, **Broglia SP**, Measurement error in the Immediate Post Concussion Assessment and Cognitive Testing (ImPACT): Systematic review, *Journal of Head Trauma Rehabilitation*, 31(4):242-251, 2016.

Eckner JT, Rettmann A, Narisetty N, Greer J, Moore B, Brimacombe S, He X, **Broglia SP**, Stability of an ERP-based measure of brain network activation (BNA) in athletes: A new electrophysiological assessment tool for concussion, *Brain Injury*, 31:1-7, 2016.

Martini D, Goulet GC, Gates DH, **Broglia SP**, Long-term effects of adolescent concussion history on gait across age, *Gait and Posture*, 49:264-270, 2016.

Swartz E, **Broglia SP**, Cook S, Cantu R, Ferrara M, Guskiewicz Km, Myers J, Early results of a helmetless-tackling intervention to decrease head impacts in football players, *Journal of Athletic Training*, 50(12): 1219-1222, 2015.

Alsalaheen B, Haines J, Yorke J, **Broglio SP**, Reliability and construct validity of Limits of Stability test in adolescents using portable force plate system, *Archives of Physical Medicine and Rehabilitation*, 96(12): 2194-2200, 2015.

Alsalaheen B, Haines J, Yorke A, Stockdale K, **Broglio SP**, Reliability and concurrent validity of instrumented balance error scoring system using a portable force plate system, *Physician and Sports Medicine*, 43(3): 221-226, 2015.

Parks AC, Moore RD, Wu CT, **Broglio SP**, Covassin T, Hillman CH, Pontifex MB, The association between a history of concussion and variability in behavioral and neuroelectric indices of cognition, *International Journal of Psychophysiology*, 98(3 Pt 1):426-434, 2015.

Williams RM, Puetz TW, Giza CC, **Broglio SP**, Concussion recovery time among high school and collegiate athletes: A systematic review and meta-analysis, *Sports Medicine*, 45(6):893-903, 2015.

Broglio SP, Collins MW, Mayfield RM, Mucha A, Kontos A, Current and emerging rehabilitation for concussion: A review of the evidence, *Clinics in Sports Medicine*, 34:213-231, 2015 (invited).

Gibson TB, Herring SA, Kutcher JS, **Broglio SP**, Analyzing the effect of state legislation on health care utilization for children with concussion, *JAMA Pediatrics*, 169(2):163-168, 2015.

Broglio SP, Cantu RC, Gioia GA, Guskiewicz KM, Kutcher KS, Palm M, Valovich McLeod TC, National Athletic Trainers' Association position statement: Management of sport concussion, *Journal of Athletic Training*, 49(2):245-265, 2014.

Rowson S, Duma SM, Greenwald RM, Beckwith JG, Chu JJ, Guskiewicz KM, Mihalik JP, Crisco JJ, Wilcox BJ, McAllister TW, Maerlender AC, **Broglio SP**, Schnebel B, Andersen S, Brolinson PG, Can helmet design reduce the risk of concussion in football?, *Journal of Neurosurgery*, 120(4):919-922, 2014.

Eckner JT, Kutcher JS, **Broglio SP**, Richardson JK, Effect of sport related concussion on clinically measured simple reaction time, *British Journal of Sports Medicine*; 48(2):112-118, 2014.

Moore RD, **Broglio SP**, Hillman CH, Sport-related concussion and sensory function in young adults, *Journal of Athletic Training*; 49(1): 36-41, 2014.

Moore RD, Hillman CH, **Broglio SP**, The persistent influence of concussive injuries on cognitive control and neuroelectric function, *Journal of Athletic Training*; 49(1): 24-35, 2014.

Broglio SP, Martini DN, Kasper L, Eckner JT, Kutcher JS, Estimation of head impact exposure in high school football: implications for regulating contact practices, *American Journal of Sports Medicine*, 41(12):2877-2884, 2013.

Martini D, Eckner JT, Kutcher JS, **Broglio SP**, Subconcussive head impact biomechanics: Comparing differing offensive schemes, *Medicine and Science in Sports and Exercise*, 45(4):755-761, 2013.

Beckwith JG, Greenwald RM, Chu JJ, Crisco JJ, Rowson S, Duma SM, **Broglia SP**, McAllister TW, Guskiewicz KM, Mihalik JP, Anderson S, Schnebel B, Brolinson PG, Lund B, Collins MW, Timing of concussion diagnosis is related to head impact exposure prior to injury, *Medicine and Science in Sports and Exercise*, 45(4): 747-754, 2013.

Beckwith JG, Greenwald RM, Chu JJ, Crisco JJ, Rowson S, Duma SM, **Broglia SP**, McAllister TW, Guskiewicz KM, Mihalik JP, Anderson S, Schnebel B, Brolinson PG, Lund B, Collins MW, Head impact exposure sustained by football players on days of diagnosed concussion, *Medicine and Science in Sports and Exercise*, 45(4): 737-746, 2013.

Kutcher JS, McCrory P, Davis G, Turner M, Ptito A, Meeuwisse W, **Broglia SP**, What evidence exists for new strategies or technologies in the diagnosis of sports concussion and assessment of recovery?, *British Journal of Sports Medicine*, 47(5), 299-303, 2013 (invited).

Broglia SP, Fort R, Concussion and concussion management in the NFL: Pathophysiology and economics, *Florida International University Law Review*, 8(1):31-48, 2012.

Broglia SP, Eckner JT, Kutcher JS, Field based measures of head impacts in high school football athletes, *Current Opinion in Pediatrics*, 24(6):702-708, 2012 (invited).

Pontifex MB, **Broglia SP**, Drollette ES, Scudder MR, Johnson CR, O'Connor PM, Hillman CH, The relation of mild traumatic brain injury to chronic lapses of attention, *Research Quarterly for Exercise and Sport*, 83(4):553-559, 2012.

Broglia SP, Eckner JT, Paulson H, Kutcher JS, Cognitive decline and aging: The role of concussive and sub-concussive impacts, *Exercise and Sports Sciences Reviews*, 40(3):138-44, 2012 (invited).

Chen Y, Sutton B, Conway C, **Broglia SP**, Ostojja-Starzewski M, Brain deformation under mild impact: Magnetic resonance imaging based assessment and finite element study, *International Journal of Numerical Analysis and Modeling Series B*, 3(1): 20-35, 2012 (invited).

Wessels KK, **Broglia SP**, Sosnoff JJ, Concussions in wheelchair basketball, *Archives of Physical Medicine and Rehabilitation*, 93: 275-278, 2012.

Broglia SP, Surma T, Ashton-Miller JA, High school and collegiate football athlete concussions: A biomechanical review, *Annals of Biomedical Engineering*, 40(1):37-46, 2012 (invited).

Guskiewicz KM, **Broglia SP**, Sport-related Concussion: On-Field and Sideline Assessment, *Physical Medicine and Rehabilitation Clinics of North America*, 22(4):603-617, 2011 (invited).

Broglia SP, Eckner JT, Surma T, Kutcher JS, Post-morbid cognitive declines and symptomatology are not related to concussion biomechanics in high school football players, *Journal of Neurotrauma*, 28(10):1-8, 2011.

Broglia SP, Eckner JT, Kutcher JS, Martini D, Sosnoff JJ, Randolph C, Cumulative head impact burden in high school football, *Journal of Neurotrauma*, 28(10):2069-2078, 2011.

Eckner JT, Sabin MJ, Kutcher JS, **Broglia SP**, Lack of cumulative impact effect on concussion injury threshold, *Journal of Neurotrauma*, 28(10):2079-2090, 2011.

Sabin MJ, Van Boxtel BA, Nohren MW, **Broglia SP**, Presence of headache does not influence sideline neurostatus or balance in high school football athletes, *Clinical Journal of Sports Medicine*, 21(5):411-415, 2011.

Broglia SP, Swartz EE, Crisco JJ, Cantu RC. In vivo biomechanical measurements of a football player's C6 spine fracture, *New England Journal of Medicine*, 365(3): 279-281, 2011.

Broglia SP, Moore RD, Hillman CH, A history of sport-related concussion on event-related brain potential correlates of cognition, *International Journal of Psychophysiology*, 82(1): 16-23, 2011 (invited).

Martini DN, Sabin MJ, DePesa SA, Leal EW, Negrete TN, Sosnoff JJ, **Broglia SP**, The chronic effects of concussion on gait, *Archives of Physical Medicine and Rehabilitation*, 92(4):585-589, 2011.

Sosnoff JJ, **Broglia SP**, Sunghoon S, Ferrara MS, Previous mild traumatic brain injury and postural-control dynamics, *Journal of Athletic Training*, 46(1):85-89, 2011.

Vagnozzi R, Signoretti S, Cristofori L, Alessandrini F, Floris R, Isgrò E, Ria A, Marziale S, Ludovici A, Zoccatelli G, Tavazzi B, Amorini AM, Del Bolgia F, Sorge R, **Broglia SP**, McIntosh TK, Lazzarino G, Assessment of metabolic brain damage and recovery following mild traumatic brain injury: a multicentre, proton magnetic resonance spectroscopic study in concussed patients, *Brain*, 133(11):3232-3242, 2010.

Broglia SP, Schnebel B, Sosnoff JJ, Shin S, Feng X, He X, Zimmerman J, Biomechanical properties of concussions in high school football, *Medicine and Science in Sports and Exercise*, 42(11):2064-2071, 2010.

Broglia SP, Vagnozzi R, Sabin M, Signoretti S, Tavazzi B, Lazzarino G, Concussion incidence and knowledge in Italian football (soccer), *Journal of Sport Science and Medicine*, 9(3):418-430, 2010.

Sabin MJ, Ebersole KT, Martindale AR, Price JW, **Broglia SP**, Balance performance in male and female collegiate basketball athletes: influence of testing surface, *Journal of Strength and Conditioning Research*, 24(8):2073-2078, 2010.

Piland SG, Ferrara MS, Macciocchi SN, **Broglia SP**, Gould T, Investigation of baseline self-report concussion symptom scores, *Journal of Athletic Training*, 45(3):273-278, 2010.

Elleberg D, Henry LC, Macciocchi SN, Guskiewicz KM, **Broglia SP**, Advances in sport concussion assessment: From behavioral to brain imaging measure, *Journal of Neurotrauma*, 26(12):2365-2382, 2009.

Pontifex MB, O'Connor PM, **Broglia SP**, Hillman CH, The association between mild traumatic brain injury history and cognitive control, *Neuropsychologica*, 47(14):3210-3216, 2009.

Broglio SP, Pontifex MB, O'Connor P, Hillman CH, The persistent effects of concussion on neuroelectric indices of attention, *Journal of Neurotrauma*, 26(9):1463-1470, 2009.

Broglio SP, Zhu W, Sopiartz K, Kelly MS, Park Y, Generalizability theory analysis of balance error scoring system reliability in healthy young adults, *Journal of Athletic Training*, 44(5):497-502, 2009.

Broglio SP, Sosnoff JJ, Ferrara MS, The relationship of athlete-reported concussion symptoms and objective measures of neurocognitive function and postural control, *Clinical Journal of Sports Medicine*, 19(5):377-382, 2009.

Broglio SP, Guskiewicz KM, Concussion in sport: The sideline assessment, *Sports Health: A Multidisciplinary Approach*, 1(5):361-369, 2009 (invited).

Broglio SP, Sosnoff JJ, Sunghoon S, He X, Alcaraz C, Zimmerman J, Head impacts during high school football: A biomechanical assessment, *Journal of Athletic Training*, 44(4):342-349, 2009.

Broglio SP, Monk A, Sopiartz K, Cooper ER, The influence of ankle support on postural control, *Journal of Science and Medicine in Sport*, 12:388-392, 2009.

Gliottoni RC, Meyers JR, Arngrímsson SA, **Broglio SP**, Motl RW, Effect of caffeine on quadriceps muscle pain during acute cycling exercise in low versus high caffeine consumers, *International Journal of Sport Nutrition & Exercise Metabolism*, 19(2):150-161, 2009.

Broglio SP, Sosnoff JJ, Rosengren KS, McShane K, A comparison of balance performance: computerized dynamic posturography and a random motion platform, *Archives of Physical Medicine and Rehabilitation*, 90:145-50, 2009.

Sosnoff JJ, **Broglio SP**, Ferrara MS, Cognitive and motor function are associated following mild traumatic brain injury, *Experimental Brain Research* 187(4):563-71, 2008.

Broglio SP, Ferrara MS, Sopiartz K, Kelly MS, Reliable change of the Sensory Organization Test, *Clinical Journal of Sports Medicine* 18:148-154, 2008.

Broglio SP, Puetz TW, The effect of sport concussion on neurocognitive function, self-report symptoms and postural control: A meta-analysis, *Sports Medicine* 38(1):53-67, 2008.

Broglio SP, Ferrara MS, Macciocchi SN, Baumgartner TA, Elliott R, Test-retest reliability of computerized concussion assessment programs, *Journal of Athletic Training* 42(4):509-514, 2007.

Broglio SP, Macciocchi SN, Ferrara MS, Neurocognitive performance of concussed athletes when symptom free, *Journal of Athletic Training* 42(4):504-508, 2007.

Sosnoff JJ, **Broglio SP**, Hillman CH, Ferrara MS, Concussion does not impact intra-individual response time variability, *Neuropsychology* 21(6):796-802, 2007.

Broglio SP, Macciocchi SN, Ferrara MS, Sensitivity of the concussion assessment battery, *Neurosurgery* 60(6):1050-1057, 2007.

Broglia SP, Ferrara MS, Piland SP, Anderson B, Concussion history is not a predictor of computerised neurocognitive performance, *British Journal of Sports Medicine* 40(9):802-805, 2006.

Cooper ER, Ferrara MS, **Broglia SP**, Exertional heat illness and environmental conditions during a single football season in the southeast, *Journal of Athletic Training* 41(3):99-103, 2006.

Broglia SP, Tomporowski P, Ferrara MS, Balance performance with a cognitive task: A dual-task paradigm, *Medicine and Science in Sport and Exercise* 37(4):689-695, 2005.

Broglia SP, Dillon M, Emergency management of head and cervical-spine injuries, *Athletic Therapy Today*, 10(2):24-33, 2005.

Courson R, Clanton M, Patel H, **Broglia SP**, Emergency assessment, *Athletic Therapy Today* 10(2):19-23, 2005.

Broglia SP, Guskiewicz KM, Sel, TC, Lephart SM, No acute changes in postural control after soccer heading, *British Journal of Sports Medicine* 38(5):561-567, 2004.

O'Connor P, Motl RW, Ely M, **Broglia SP** Dose-dependent effect of caffeine on reducing leg muscle pain during cycling exercise is unrelated to systolic blood pressure, *Pain* 109:291-298, 2004.

Broglia SP, Ju, Y, Broglia MD, Sell TC, The efficacy of soccer headgear, *Journal of Athletic Training* 38(3):220-224, 2003.

Guskiewicz KM, Marshall SW, **Broglia SP**, Cantu RC, Kirkendall DT, No evidence of impaired neurocognitive performance in collegiate soccer players, *American Journal of Sports Medicine* 30(2):157-162, 2002.

Broglia SP, Guskiewicz KM, Soccer Heading: Are there risks involved? *Athletic Therapy Today* 6(1): 28-32, 2001.

Refereed Abstracts / Presentations

Lin SSH, **Broglia SP**, McAllister T, Pasquina P, McGinty G, Cameron K, McCrea M, Analysis of the 2023 ACRM diagnostic criteria for mild traumatic brain injury in U.S. military service academy cadets and collegiate athletes with acute concussion: A CARE Consortium Study, *American Academy of Clinical Neuropsychology 2025 Conference*, Chicago, IL (in review).

Ermer E, Harcum S, Jannace K, Ryff D, **Broglia S**, McCrea M, McAllister T, Pasquina, demographic and baseline characteristics of explosive ordnance disposal, military service academy, and civilian athlete cohorts from the NCAA-DoD CARE Consortium studies, *2025 Military Health System Research Symposium*, Kissimmee, FL, (in review).

Ryff DR, Jannace KC, Harcum SA, Enge AC, **Broglia S**, McCrea M, McAllister T, Pasquina P, Ermer E, The NCAA-DoD CARE-SALTOS Integrated (CSI) Study: A preliminary analysis of self-reported concussions and the Blast Exposure Threshold Survey (BETS) within the Explosive Ordnance Disposal (EOD) cohort, *2025 Military Health System Research Symposium*, Kissimmee, FL, (in review).

Lempke LB, Cameron KL, Pasquina PF, McAllister TW, McCrea MA, **Broglia SP**, Evaluating the dominant head impact exposures associated with psychological symptomology among US Service Academy cadets: A CARE Consortium Study, *2025 Military Health System Research Symposium*, Kissimmee, FL, (in review).

Aderman MJ, Roach MH, Malvasi SR, Ross JD, Svoboda SJ, Robb J, McGinty G, Jackson J, Brodeur RM, Susmarski A, **Broglia SP**, McCrea MA, McAllister T, Pasquina PF, Cameron KL, Factors associated with concussion risk among female cadets and midshipmen participating in combatives activities, *2025 Military Health System Research Symposium*, Kissimmee, FL, (in review).

Cameron KL, Roach MH, Malvasi SR, Ross JD, Svoboda SJ, Robb J, McGinty G, Jackson J, Brodeur RM, Susmarski A, **Broglia SP**, McCrea MA, McAllister T, Pasquina PF, Aderman MJ, The association between history of contact sports participation and incident concussion during combatives training activities among military service academy cadets, *2025 Military Health System Research Symposium*, Kissimmee, FL, (in review).

Lin SSH, **Broglia SP**, McAllister T, Pasquina P, McGinty G, Cameron K, McCrea M, Analysis of the 2023 ACRM diagnostic criteria for mild traumatic brain injury in U.S. military service academy cadets with acute concussion: A CARE Consortium Study, *2025 Military Health System Research Symposium*, Kissimmee, FL, (in review).

Ebrahimi T, Shahid SS, Yang HC, Meier TB, Gao S, Harezlak J, Giza CC, Goldman J, Guskiewicz KM, Mihalik JP, LaConte SM, Duma SM, **Broglia SP**, McCrea MA, McAllister TW, Wu YC, Characterizing effects of sport-related concussion on white matter microstructure along the tracts: A CARE Consortium study, *2025 Military Health System Research Symposium*, Kissimmee, FL, (in review).

Yang HC, Takieldeen Y, Dziedzic M, Giza CC, Goldman J, Guskiewicz KM, Mihalik JP, LaConte SM, Duma SM, **Broglia SP**, McCrea MA, McAllister TW, Wu YC, Relationship between post-concussion pain and brain microstructure: A NODDI study, *2025 Military Health System Research Symposium*, Kissimmee, FL, (in review).

Churchill R, Croghan AE, Brett BL, Huber DL, Pasquina P, **Broglia SP**, McAllister TW, McCrea MA, Meier TB, CARE Consortium Investigators, Assessing blood-based biomarkers following concussion using reliable change, *2025 Military Health System Research Symposium*, Kissimmee, FL, (in review).

Zhang Z, Reiter JL, Nudleman KN, Lai D, McAllister TW, McCrea MA, **Broglia SP**, Pasquina PF, Lie Y, CARE Consortium Investigators, development of a polygenic score for recovery time after concussion: A Concussion Assessment, Research, and Education (CARE) Consortium study, *2025 Military Health System Research Symposium*, Kissimmee, FL, (in review).

Harezlak J, Cohen A, Gill JM, Pasquina P, **Broglia SP**, McAllister TW, McCrea MA, Meier TB, Four-plex biomarker smooth trajectories as a function of injury status: A CARE Consortium study, *2025 Military Health System Research Symposium*, Kissimmee, FL, (in review).

Churchill R, Croghan AE, Brett BL, Huber DL, Pasquina P, **Broglia SP**, McAllister TW, McCrea MA, Meier TB, CARE Consortium Investigators, Association between elevated GFAP and acute white matter changes following sport-related concussion: A CARE Consortium Study, *13th Annual Sport Neuropsychological Society Symposium*, Milwaukee, WI (in review).

Syrydiuk R, McAllister T, McCrea M, Pasquina P, **Broglia SP**, Characteristics of normal and slow-recovering collegiate football players following sport-related concussion, *13th Annual Sport Neuropsychological Society Symposium*, Milwaukee, WI (in review).

Churchill R, Croghan AE, Brett BL, Huber DL, Pasquina P, **Broglia SP**, McAllister TW, McCrea MA, Meier TB, CARE Consortium Investigators, Assessing subject-level increases in blood-based biomarkers following sport-related concussion using reliable change: A CARE Consortium Study, *2025 Concussion in Sport Group Symposium*, Milwaukee, WI (in review).

Syrydiuk R, McAllister T, McCrea M, Pasquina P, **Broglia SP**, Factors associated with sport-related concussion recovery in collegiate football players: A CARE Consortium Study, *2025 Concussion in Sport Group Symposium*, Milwaukee, WI (in review).

Lin SSH, **Broglia S**, McAllister T, Pasquina P, McCrea M, Analysis of the 2023 ACRM diagnostic criteria for mild traumatic brain injury in acute sport-related concussion: A CARE Consortium Study, *2025 Concussion in Sport Group Symposium*, Milwaukee, WI (in review).

Broglia SP, Syrydiuk R, Pasquina P, McAllister T, McCrea M, Boltz A, Age of first exposure to American football is not related to clinical outcomes in former athletes, *American College of Sports Medicine 2024 Annual Meeting and World Congress* (in press).

Syrydiuk R, McAllister T, McCrea M, **Broglia SP**, Health outcomes following a collegiate football career: Findings from the NCAA-DOD CARE Consortium, *American College of Sports Medicine 2024 Annual Meeting and World Congress* (in press).

Boltz AJ, Lim MM, Varangis E, Weibe D, McAllister TW, McCrea MA, Chandran A, Broglia SP, Acute sleep duration, clinical presentation, and recovery after sport-related concussion in collegiate athletes, *American College of Sports Medicine 2024 Annual Meeting and World Congress* (in press).

Shih CH, Broadnax M, Boltz AJ, Varangis E, **Broglia SP**, McAllister T, McCrea MA, Meier TB, preliminary comparison of symptom networks between athletes with and without sport-related concussions, *American College of Sports Medicine 2024 Annual Meeting and World Congress* (in press).

Memmini AK, Boltz AJ, Caccese JB, Putukian M, Anderson SA, Arbogast KB, Asken BM, Buckley TA, Chrisman SPD, Clugston JR, Eckner JT, Ermer E, Esopenko C, Harcum S, Hunt TN, Jain D, Jannace KC, Kelly LA, Langford D, Lempke LB, McDevitt J, Mozel AE, Perkins SM, Roby PR, Scott F, Susmarski AJ, Strydiuk RA, Wallace J, McCrea MA, McAllister TW, Pasquina PF, **Broglia SP**, Master CL, CARE Consortium Investigators, Sport-related concussion characteristics by race, ethnicity, and socioeconomic status: A CARE Consortium investigation, *American College of Sports Medicine 2024 Annual Meeting and World Congress* (in press).

Arnold K, Kim YW, **Broglia SP**, McAllister TW, McCrea M, Sharma T, Over-the-counter analgesic use after concussion, *American Academy of Neurology Annual Meeting*, San Diego, CA (in review)

Eckner JT, Lorincz MT, Almeida A, Seagly K, **Broglia SP**, Franco L, Mulenga L, Kalpakjian CZ, Developing a conceptual framework of the concussion experience among U.S. adolescent and young adult athletes: A qualitative study, *2025 Big Sky Sports Medicine Conference*, Big Sky, MT (in review).

Strydiuk RA, Bretzin AC, Goldstick JE, **Broglia SP**, Wiebe DJ, All-cause mortality between National Hockey League players and the general population: A retrospective cohort study, *Scandinavian Sports Medicine Congress 2025 Meeting*, Copenhagen, Denmark.

Eckner JT, Lorincz MT, Giordani B, Seagly K, Almeida A, Millward D, **Broglia SP**, Varangis E, Veliz PT, Influence of concussion and collision sport history on later self-reported cognitive and mood outcomes: Results from the U-M Alumni Brain Health Study, *American Academy of Physical Medicine and Rehabilitation 2024 Annual Assembly*, San Diego, CA, 2024.

Boltz AJ, Lempke LB, Strydiuk RA, Memmini AK, McAllister T, Pasquina PF, McCrea MA, **Broglia SP**, Association between history of mild traumatic brain injury, sleep quality, and mental health among cadets following a collegiate career, *2024 Military Health System Research Symposium*, Kissimmee, FL, 2024.

McAllister T, **Broglia S**, McCrea M, Pasquina PF, Perkins S, Harland J, L'Heureux N, McEachern M, Harcum S, Ermer E, CARE Consortium Investigators, Evolution of the CARE Consortium: rationale, methods and status of the CARE-SALTOS Integrated study (CSI), *2024 Military Health System Research Symposium*, Kissimmee, FL, 2024.

Ryff DR, Jannace KC, Ermer E, **Broglia S**, McCrea M, McAllister T, Pasquina, The CARE-SALTOS Integrated (CSI) study: Characterizing potential chronic brain health effects of concussion and repetitive head impact exposures - Tier 3, *2024 Military Health System Research Symposium*, Kissimmee, FL, 2024.

Ermer E, Kooreman H, Perkins S, Ryff D, **Broglia S**, McCrea M, McAllister T, Fergus M, Pasquina P, The NCAA-DoD CARE-SALTOS Integrated (CSI) Study: An update on the Explosive Ordnance Disposal (EOD) Cohort, *2024 Military Health System Research Symposium*, Kissimmee, FL, 2024.

Kaplan AD, Harezlak J, Mesner M, McAllister T, Bouchard KE, Torres-Espin A, **Broglia S**, McCrea MA, Outcome profiles for traumatic brain injury in collegiate sports: a probabilistic unsupervised machine learning approach, *2024 Military Health System Research Symposium, Kissimmee, FL, 2024.*

Beck RT, Klein A, Agarwal M, Nencka A, Kock K, Meier T, Swearingen B, McCrea M, McAllister T, **Broglia S**, Pasquina P, MR brain findings in 333 CSI Study participants, *2024 Military Health System Research Symposium, Kissimmee, FL, 2024.*

Yang HC, Dzemedzic M, Wen Q, Rikken LD, **Broglia SP**, McCrea MA, McAllister TW, Harezlak J, Wu YC, Using subject-specific analysis to investigate white matter abnormalities in sports-related concussion, *2024 Military Health System Research Symposium, Kissimmee, FL, 2024.*

Yang HC, Dzemedzic M, **Broglia SP**, McCrea MA, McAllister TW, Harezlak J, Wu YC, Analyzing subject-specific longitudinal tracing of diverse white matter abnormalities in sport-related concussion, *2024 Military Health System Research Symposium, Kissimmee, FL, 2024..*

Moser RS, Riegler K, Uhrig C, Choi D, **Broglia SP**, Mayer B, Boltz A, Master C, Schatz P, a survey of sports concussion specialists' clinical criteria to determine concussion recovery, *12th Annual Sports Neuropsychology Society Symposium, Philadelphia, PA, 2024.*

Memmini AK, Mosesso KM, Perkins SM, Boltz AJ, Lempke LB, Strydiuk R, Pasquina PF, McCrea MA, McAllister TW, **Broglia SP**, CARE Consortium Investigators, Evaluating the effects of concussions across a collegiate career: Preliminary findings from the Concussion Assessment, Research, & Education Consortium, *The 75th Annual National Athletic Trainers' Association Clinical Symposia & AT Exposition, New Orleans, LA, 2024.*

Boltz AJ, Rao N, Lempke LB, Collins CL, **Broglia SP**, Chandran A, Epidemiology of thigh injuries in NCAA Men's and Women's Soccer: 2009/10-2018/19, *The 75th Annual National Athletic Trainers' Association Clinical Symposia & AT Exposition, New Orleans, LA, 2024.*

Aderman MJ, Roach MH, Malvasi SR, Ross JD, Svoboda SJ, Robb J, , McGinty G, Jackson J, Campbell D, Estevez CA, Brodeur RM, **Broglia SP**, McCrea MA, McAllister T, Pasquina PF, Cameron KL, The association between sleep duration and computerized neurocognitive assessment composite scores at baseline and post injury in United States service academy cadets, *The 75th Annual National Athletic Trainers' Association Clinical Symposia & AT Exposition, New Orleans, LA, 2024.*

Strydiuk RA, Li C, Memmini AK, Boltz AJ, Lempke LB, Perkins SM, Harezlak J, McAllister TW, McCrea MA, Pasquina PF, **Broglia SP**, The cumulative effects of a collegiate career on self-reported health: Findings from the NCAA-DoD CARE Consortium, *American College of Sports Medicine 2024 Annual Meeting and World Congress, Boston, MA, 2024.*

Boltz AJ, Lempke LB, Strydiuk RA, Memmini AK, Perkins SM, Harezlak J, Pasquina PF, McAllister TW, McCrea MA, **Broglia SP**, lifetime concussion history, sleep quality, and pain interference following a collegiate athlete career, *American College of Sports Medicine 2024 Annual Meeting and World Congress, Boston, MA, 2024.*

Vega S, Boltz A, Rao N, Collins CL, **Broglia SP**, Chandran A, Factors associated with persistent post-concussive symptoms: Findings from the NCAA injury surveillance program, *American College of Sports Medicine 2024 Annual Meeting and World Congress*, Boston, MA, 2024.

Lempke LB, Boltz AJ, Memmini AK, Srydiuk RA, Perkins SM, Harezlak J, McAllister TW, McCrea MA, **Broglia SP**, Associations between head trauma exposures, mental health, and cognitive health following a collegiate athletic career, *American College of Sports Medicine 2024 Annual Meeting and World Congress*, Boston, MA, 2024.

Yang HC, Dziedzic M, Wen Q, Riggan LD, **Broglia SP**, McCrea MA, McAllister TW, Harezlak J, Wu YC, Subject-specific analysis approach to longitudinal tracing of heterogeneous white matter abnormalities in sports-related concussion, *International Society for Magnetic Resonance in Medicine Annual Meeting*, Singapore, 2024.

Bretzin AC, Wiebe DJ, **Broglia SP**, Collins CL, Acute concussion management in a large sample of high school athletes with athletic training services from the national high school sports-related injury surveillance study (RIO), *Society for Advancement of Violence and Injury Research 2024 Conference*, Chapel Hill, NC, 2024.

Croghan A, Huber DL, Goeckner BD, Gill JM, Pasquina P, **Broglia SP**, McAllister TW, Harezlak J, McCrea MA, Brett BL, Meier TB, Reliable change in inflammatory biomarkers following sport-related concussion: a CARE Consortium study, *International Neuropsychological Society Annual Meeting*, New York, NY, 2024.

Srydiuk RA, Boltz AJ, Lempke LB, Caccese JB, McAllister TW, McCrea MA, Pasquina PF, **Broglia SP**, Examining the temporal symptom burden acutely following concussion in collegiate athletes, *International Olympic Committee (IOC) World Conference on Prevention of Injury and Illness in Sport*, Monte Carlo, Monaco, 2024

Srydiuk RA, Cairns J, Pankow MP, Mrazik M, **Broglia SP**, Emery CA, Down three: Video-suspected injuries in youth tackle football following a reduction in number of players on-field, *International Olympic Committee (IOC) World Conference on Prevention of Injury and Illness in Sport*, Monte Carlo, Monaco, 2024

Brothers DD, Murata NM, Furutani TM, Oshiro RS, Myers JL, **Broglia SP**, Lee JS, Swartz EE, Adherence to a tackling training intervention and its influence on head impact exposure, *Far West Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Kailua-Kona, HI, 2023.

Glodowski KD, Lee JS, Freemyer BG, Furutani TM, Murata NM, **Broglia SP**, Swartz EE, Analysis of head impact frequency among position groups in Hawaiian high school football across two seasons, *Far West Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Kailua-Kona, Hawaii, 2023.

Jain D, Baccese JB, Ermer E, Kelly L, Lempke LB, Chrisman SPD, Susmarski AJ, Putukian M, Memmini AK, Langford D, Eckner JT, Clugston JR, Pasquina PF, **Broglia SP**, McCrea MA, McAllister TW, Master CL, Esopenko CL, Demographic, clinical, and injury-related characteristics associated with return to unrestricted activity after concussion in female and male cadets and midshipmen, *National Neurotrauma Society 2023 Symposium*, Austin, TX, 2023.

Meier TB, Huber DL, Boeckner BD, Gill JM, Pasquina P, **Broglia SP**, McAllister TW, Harezlak J, McCrea MA, Inflammatory blood-biomarkers in collegiate athletes and military service academy cadets with acute concussion, *National Neurotrauma Society 2023 Symposium*, Austin, TX, 2023.

Goeckner BD, Huber DL, Gill JM, Mannix R, Master CL, Pasquina P, **Broglia SP**, McAllister TW, Harezlak J, McCrea MA, Meier TB, Associations of progesterone and estradiol with acute blood-based biomarkers and clinical measures following concussion in women, *National Neurotrauma Society 2023 Symposium*, Austin, TX, 2023.

Moser RS, Choi D, Uhrig C, Mayer B, Schatz P, Broglia S, Boltz A, Master C, Criteria for determining clinical recovery from concussion: A survey of sports concussion specialists, *Sports Neuropsychology Society*, Denver, CO, *Archives of Clinical Neuropsychology*, 38(5); 847, 2023.

Lempke LB, Ermer E, Boltz AJ, McCrea MA, McAllister TW, Pasquina PF, **Broglia SP**, Master CL, Female service academy students' initial mild traumatic brain injury characteristics and recovery patterns: Findings from the NCAA-DoD CARE Consortium, *2023 Military Health System Research Symposium*, Kissimmee, FL, 2023.

Pasquina P, Cameron K, McGinty G, Harcum S, Estevez C, Melinchak M, Mosesso KM, Perkins SM, Harezlak J, Harland J, McEachern M, L'Heureux N, McAllister TW, **Broglia SP**, McCrea MA, Longitudinal assessment of postconcussion symptoms from entrance to exit in US military service academy cadets: A CARE Consortium study, *2023 Military Health System Research Symposium*, Kissimmee, FL, 2023.

Broglia SP, Mosesso KM, Perkins SM, Harezlak J, Harland J, McEachern M, L'Heureux N, Pasquina P, McAllister TW, McCrea MA, High exposure sport participation and concussion do not independently drive symptom reports: A CARE Consortium study, *2023 Military Health System Research Symposium*, Kissimmee, FL, 2023.

Cutlan R, Shah AS, McCrea MA, Meier TB, Pasquina P, **Broglia SP**, McAllister T, Harezlak J, Stemper BD, Multiple impacts at the time of concussion result in more severe neurological changes and clinical changes compared to single impact concussions, *2023 Military Health System Research Symposium*, Kissimmee, FL, 2023.

Kontos AP, Gomes D, Trbovich A, Eagle SR, Collins MW, Clugston J, Ortega J, Port N, Ferris LM, **Broglia SP**, McAllister TW, McCrea MA, Pasquina P, CARE Consortium Investigators, Comparison of different cutoff values for the Vestibular/Ocular Motor Screening (VOMS) to identify 6-hour post-injury from healthy baseline scores: An NCAA-DoD CARE Consortium Study, *2023 Military Health System Research Symposium*, Kissimmee, FL, 2023.

Memmini AK, Snedden TR, Boltz AJ, Benson BA, Margolin E, McCrea MA, McAllister TW, **Broglia SP**, Return-to-learn following a sport-related concussion among student-athletes enrolled in the NCAA-DoD Care Consortium, *American College of Sports Medicine 2023 Annual Meeting and World Congress*, Denver, CO, 2023.

Broglio SP, Boltz AJ, Rao NE, Wiebe DJ, Collins CL, Chandran A, Clustering of sport-related concussion rates by season segment in National Collegiate Athletic Association sports: Findings from the NCAA injury surveillance program between 2013/14-2018/19, *American College of Sports Medicine 2023 Annual Meeting and World Congress*, Denver, CO, 2023.

Lempke LB, Breedlove KM, Caccese JB, McCrea MA, McAllister TW, **Broglio SP**, Pasquina PF, Schmidt JD, Lynall RC, Buckley TA, Pre-injury measures do not predict future concussion among collegiate student-athletes, *American College of Sports Medicine 2023 Annual Meeting and World Congress*, Denver, CO, 2023.

Boltz AJ, Chandran A, Strydiuk RA, Lempke LB, McCrea MA, McAllister T, **Broglio SP**, Time to unrestricted return to play time between sport-related concussions in helmeted and non-helmeted sports, *American College of Sports Medicine 2023 Annual Meeting and World Congress*, Denver, CO, 2023.

Strydiuk RA, Balendran V, van Pelt K, Scott K, Boltz AJ, Lempke LB, Vesia M, Giordani B, McCrea MA, McAllister TW, **Broglio SP**, Examining the effect of MRI use on sport-related concussion recovery among collegiate student athletes, *American College of Sports Medicine 2023 Annual Meeting and World Congress*, Denver, CO, 2023

Aderman MJ, Roach MH, Malvasi SR, Ross JD, Svoboda SJ, Robb J, McGinty G, Jackson J, Campbell D, Estevez CA, Brodeur RM, VanPelt K, Susmarski A, **Broglio SP**, McCrea MA, McAllister T, Pasquina PF, Cameron KL, The association between sleep duration and concussion symptom severity at baseline and post injury in United States service academy cadets and midshipmen, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Indianapolis, IN *Journal of Athletic Training*, 58(6S): S134, 2023.

Boltz AJ, Rao NE, Bretzin AB, Beisecker L, Collins CL, **Broglio SP**, Chandran A, Sleep/affective symptoms and symptom resolution time following sport-related concussion in National Collegiate Athletic Association Sports: 2014/15-2018/19, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Indianapolis, IN, *Journal of Athletic Training*, 58(6S): S179, 2023.

Malvasi SR, Aderman MJ, Roach MH, Ross JD, Svoboda SJ, Robb J, McGinty G, Jackson J, Campbell D, Estevez CA, Brodeur RM, VanPelt K, Sumarski A, **Broglio SP**, McCrea MA, McAllister T, Pasquina PF, Cameron KL, Sleep duration is associated with recovery time after concussion in United States Military Service Academy cadets and midshipmen, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Indianapolis, IN, *Journal of Athletic Training*, 58(6S): S170, 2023.

Lempke LB, Garcia GP, Boltz AJ, Strydiuk R, McAllister TW, McCrea MA, Pasquina PF, **Broglio SP**, Three latent factors supersede outcomes from concussion baseline and post-injury assessments: Findings from the Concussion Assessment, Research, and Education (CARE) Consortium, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Indianapolis, IN *Journal of Athletic Training*, 58(6S): S22, 2023.

Yang HC, Dziedzic M, Wen Q, Riggan LD, **Broglia SP**, McCrea MA, McAllister TW, Harezlak J, Wu YC, Subject-specific analysis reveals heterogeneous white matter abnormalities in sports-related concussion, *2023 International Society of Magnetic Resonance in Medicine Annual Meeting & Exhibition*, Toronto, Canada, 2023.

Harrison AT, Herter T, **Broglia S**, Moore RD, Impact of persistent post-concussive symptoms on autonomic reactivity during acute bouts of mental exertion, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Harrison AT, Herter T, **Broglia S**, Moore RD, Neurocognitive performance among symptomatic and asymptomatic individuals with a history of concussion: Comparison within discrete and continuous task paradigms, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Harrison AT, Herter T, **Broglia S**, Moore RD, Persisting impact of concussion on oculomotor control and pupillary dynamics, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Syrydiuk R, Cairns J, Pankow MP, Kolstad AK, **Broglia SP**, Mrazik M, Emery CA, Down three: Does a reduction in on-field players influence head impacts in Canadian youth tackle football?, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Boltz AJ, Memmini AK, Brett BL, McCrea MA, McAllister TW, Broglia SP, 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, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Broglia SP, McCrea M, Katz B, LaPradd M, McAllister T, Performance on concussion assessments among Contact, Limited Contact and Non-Contact athletes across a collegiate career, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Anderson MN, Gallo CA, Gill J, Caccese J, **Broglia SP**, McCrea M, McAllister TW, Pasquina P, Cameron KL, Malvasi SR, Trump JR, Roach MH, Jackson J, McGinty G, Buckley TA, Estimated age of first athletic exposure predicts baseline Neurofilament Light, Ubiquitin Carboxyl-Terminal Hydrolase L1, Glial Fibrillary Acidic Protein, and Tau serum levels in female athletes and military cadets, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Wu YC, Wen Q, Thukral R, Gao S, Lane K, Riggan LD, Meier TB, Giza CC, Goldman J, Guskiewicz KM, Mihalik JP, LaConte SM, Duma SM, **Broglia SP**, Saykin AJ, McCrea MA, McAllister TW, Longitudinal association of white-matter specific neuroimaging and serum biomarkers in sports-related concussion, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

McAllister TW, **Broglia SP**, Katz B, McCrea MA, Athletes with delayed concussion recovery trajectories: characteristics and outcomes, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Mihalik JP, Chandran A, Powell JR, Roby PR, Stemper BD, Shah AS, Rowson S, Duma S, Harezlak J, Rikken L, **Broglia SP**, McAllister TW, McCrea M, Do head injury biomechanics predict injury recovery? *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Schmidt JD, Weber ML, Lynall RC, D'Lauro CD, Clugston, J, McCrea M, **Broglia SP**, Medical disqualification following concussion: CARE Consortium cases, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Garcia GGP, Lavieri MS, McAllister TW, McCrea MA, **Broglia SP**, Design and assessment of a novel decision-theoretic approach to personalize return-to-play from concussion, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Caccese JB, Iverson GL, Asken BM, Clugston JR, Enrique A, Bryk KN, Hunzinger KJ, **Broglia SP**, McAllister TW, McCrea M, Pasquina PF, Buckley TA, Factors associated with symptom reporting in collegiate student athletes without concussion, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Caccese, JB, Hunzinger KJ, Iverson GL, Asken BM, Clugston JR, Cameron KL, Houston MN, Svoboda SJ, Jackson JC, McGinty GT, Estevez CA, Susmarski AJ, Bryk KN, **Broglia SP**, McAllister TW, McCrea M, Pasquina PF, Buckley TA, Factors associated with symptom reporting in U.S. service academy cadets without concussion, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Caccese JB, Schmidt J, **Broglia SP**, McAllister TW, McCrea PF, Pasquina P, Buckley TA, The influence of age of first exposure to American football on concussion history and age of first concussion in NCAA football players, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022).

Memmini AK, Popovich MJ, Schuyten KH, Herring SA, Scott KL, Clugston JR, Choe MC, Bailey CM, Brooks MA, Anderson SA, McCrea MA, Kontos AP, Wallace JS, Register-Mihalik JK, Kasamatsu TM, Valovich McLeod T, Weber Rawlins ML, Snedden T, Akani B, Orr LCL, Kaplan ML, Hasson RE, Rifat SF, **Broglia SP**, Development of the post-concussion collegiate return-to-learn protocol using a modified Delphi technique, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Schmidt JD, Kerr ZY, Knight K, Leeds D, Lynall RC, D'Laura C, Register Mihalik J, Kroshus E, McCrea MA, McAllister T, **Broglia SP**, Optimizing Concussion Care Seeking (OCCS): The influence of continued participation on concussion recovery, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Lynall RC, **Broglia SP**, Knight K, Leeds D, D'Lauro C, Register Mihalik J, Kroshus E, McCrea M, McAllister T, Kerr ZY, Schmidt JD, Optimizing Concussion Care Seeking (OCCS): The effect of previous undiagnosed concussions on subsequent concussion assessment outcomes, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

D'Lauro C, Register Mihalik J, Meier TB, Kerr ZY, Knight K, **Broglia SP**, Leeds D, Lynall RC, Kroshus E, McCrea MA, McAllister TW, Schmidt JD, Optimizing Concussion Care Seeking (OCCS): Connecting care-seeking behaviors and neurophysiological states through blood biomarkers, *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Lempke LB, Teel EF, Lynall RC, Hoffman NL, Buckley TA, Eckner JT, McCrea MA, McAllister TW, **Broglia SP**, Schmidt JD. Early Exercise is Associated with Faster Concussion Recovery Among Collegiate Athletes: Findings from the NCAA-DoD CARE Consortium. *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Teel EF, Lempke LB, Lynall RC, Hoffman NL, Buckley TA, Eckner JT, McCrea MA, McAllister TW, **Broglia SP**, Schmidt JD. Early Exercise is Associated with Reduced Risk of Persistent Post-Concussion Symptoms Among Collegiate Athletes: Findings from the NCAA-DoD CARE Consortium. *The 6th International Consensus Conference on Concussion in Sport*. Amsterdam, Netherlands, 2022.

Liebel SW, Breedlove KM, **Broglia SP**, Eckner JT, McCrea MA, Brett BL, McAllister TW, CARE Consortium Investigators, Consistency of self-reported sport-related concussion history, *International Neuropsychological Society*, San Diego, CA, 2022.

Garcia GGP, Czerniak LL, Lavieri MS, Liebel SW, McCrea MA, McAllister TW, Pasquina PF, **Broglia SP**, Simulation-optimization to distinguish optimal symptom free waiting period for return-to-play decisions in sports-related concussion. *Proceedings of the 2022 Winter Simulation Conference*, Singapore, 2022.

Yang HC, Wen Q, Harezlak J, Dziedzic M, Riggan LD, Giza CC, Goldman J, Guskiewicz KM, Mihalik JP, LaConte SM, Duma SF, **Broglia SP**, McCrea MA, McAllister TW, Wu YC, Using subject-specific analysis to investigate white matter abnormalities in sports-related concussion, *2022 Military Health System Research Symposium*, Kissimmee, FL, 2022.

Anderson MN, Gallo CA, Gill J, Caccese J, **Broglia SP**, McCrea M, McAllister TW, Pasquina P, Buckley TA Estimated age of first athletic exposure predicts baseline Neurofilament Light, Ubiquitin Carboxyl-Terminal Hydrolase L1, Glial Fibrillary Acidic Protein, and Tau serum levels in female military cadets, *2022 Military Health System Research Symposium*, Kissimmee, FL, 2022.

Broglia SP, Wenxian Z, Harezlak J, McCrea M, McAllister T, Recovery on clinical assessments following sport-related concussion: Findings from the CARE Consortium, *2022 Military Health System Research Symposium*, Kissimmee, FL, 2022.

Schmidt JD, **Broglia SP**, Knight K, Leeds D, Lynall RC, D'Lauro C, Register-Mihalik J, Kroshus E, McCrea M, McAllister TW, Kerr ZY, Optimizing concussion care seeking: A longitudinal analysis of recovery, *2022 Military Health System Research Symposium*, Kissimmee, FL, 2022.

Register Mihalik J, Leeds D, Kroshus E, Kerr ZY, Knight K, D'Lauro C, Lynall RC, Ahmed T, Hagiwara Y, **Broglia SP**, McCrea MA, McAllister T, Schmidt JD, Optimizing concussion care seeking: Identification of institutional and individual factors predicting previous concussion diagnosis status, *2022 Military Health System Research Symposium*, Kissimmee, FL, 2022.

Lynall RC, D'Lauro C, Kerr ZY, Knight K, Kroshus E, Leeds D, Register Mihalik J, McCrea MA, **Broglia SP**, McAllister T, Schmidt JD, optimizing concussion care seeking: Previous concussion diagnosis status influences baseline assessment outcomes, *2022 Military Health System Research Symposium*, Kissimmee, FL, 2022.

Harrison A, Herter T, **Broglia S**, Moore RD, Neurocognitive performance among symptomatic and asymptomatic individuals with a history of concussion: Comparisons within discrete and continuous task paradigms, *12th Annual Traumatic Brain Injury Conference*, Washington DC, 2022.

Ross JD, Cameron KL, Malvasi SR, Aderman MJ, Susmarski AJ, Brodeur RM, McGinty G, Jackson JC, **Broglia SP**, McCrea M, McAllister T, Pasquina P, Houston MN, Factors associated with return to normal academic performance post-concussion in United States Service Academy cadets and midshipmen, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Philadelphia, PA, *Journal of Athletic Training*, 57(6S): S-111, 2022

Memmini AK, Freeman D, Palincsar AS, Popovich MJ, Schuyten KH, Herring SA, Scott KL, Clugston JR, Choe MC, Bailey CM, Brooks MA, Anderson SA, McCrea MA, Kontos AP, Wallace JS, Register-Mihalik JK, Kasamatsu TM, Valovich-McLeod T, Weber-Rawlins ML, Snedden T, Akani B, Orr LCL, Kaplan ML, Hasson RE, Rifat SF, **Broglia SP**, Development of the post-concussion collegiate Return-to-Learn protocol using a modified Delphi approach, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Philadelphia, PA, *Journal of Athletic Training*, 57(6S): S-110, 2022.

Swartz EE, Myers J, Lee JS, **Broglia SP**, Brothers D, Oshiro R, Furutani T, Murata N, Head impact exposure during Hawaiian high school football games, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Philadelphia, PA, *Journal of Athletic Training*, 57(6S): S-37, 2022.

Broglia SP, Memmini AK, Brett BL, Shah S, Shea HD, McAllister TW, McCrea MA, Distribution of parent occupations among NCAA student-athletes: Findings from the NCAA-DoD CARE Consortium, *American College of Sports Medicine 2022 Annual Meeting and World Congress*, San Diego, CA, *Medicine and Science in Sports and Exercise*, 54(9S): 265, 2022.

Memmini AK, Shah R, Brett BL, McCrea MA, McAllister TW, **Broglia SP**, Differences in socioeconomic status based on race and ethnicity among collegiate student-athletes, *American College of Sports Medicine 2022 Annual Meeting and World Congress*, San Diego, CA, *Medicine and Science in Sports and Exercise*, 54(9S):264, 2022

Shah R, Memmini AK, Brett BL, McCrea MA, McAllister TW, **Broglia SP**, Socioeconomic status of NCAA student-athletes: Findings from the NCAA-DoD CARE Consortium, *American College of Sports Medicine 2022 Annual Meeting and World Congress*, San Diego, CA, *Medicine and Science in Sports and Exercise*, 54(9S): 264, 2022

Eagle SR, Asken B, Trbovich A, Houck ZM, Bauer RM, Clugston JR, **Broglia SP**, McAllister TW, McCrea MA, Pasquina P, Collins MW, Kontos AP, CARE Consortium Investigators, Dose-response association of continued activity following sport-related concussion with poorer clinical outcomes, *American College of Sports Medicine 2022 Annual Meeting and World Congress*, San Diego, CA, *Medicine and Science in Sports and Exercise*, 54(9S): 63, 2022

Boltz AJ, Chandran A, Robison HJ, Collins CL, **Broglia SP**, Audio-vestibular concussion symptoms and symptom resolution time in helmeted and non-helmeted NCAA sports: 2014/15 – 2018/19, *American College of Sports Medicine 2022 Annual Meeting and World Congress*, San Diego, CA, *Medicine and Science in Sports and Exercise*, 54(9S):65-66, 2022.

Caccese J, Garcia GGP, Kontos AP, Port N, Valerio K, Broglia SP, McCrea M, McAllister M, Pasquina P, Buckley T, Test-retest reliability and efficacy of individual symptoms in concussion management, *American College of Sports Medicine 2022 Annual Meeting and World Congress*, San Diego, CA, *Medicine and Science in Sports and Exercise*, 54(9S):66, 2022.

Cutlan R, Seifert J, Shah AS, Harezlak J, Muench J, Rowson S, Duma S, Mihalik J, Rigger L, Brooks A, Pasquina P, **Broglia S**, McAllister T, McCrea M, Stemper BD, Football game players may experience more head impact exposure in the practices leading up to games than bench players: A Study from the NCAA-DOD CARE Consortium, *2022 Biomedical Engineering Society Annual Meeting*, San Antonio, TX, 2022).

Roblero EJ, Oshiro RS, Lee JS, Cunningham M, Furutani T, Murata NM, Myers JL, **Broglia SP**, Swartz EE, Interrater reliability of video verification for head impacts in high school football, *Far West Athletic Trainers' Association Annual Meeting and Clinical Symposium*, San Diego, CA, 2022.

Glodowski KD, Lee JS, Myers JL, Furutani TM, Oshiro RS, Cunningham M, Murata NM, **Broglia SP**, Swartz EE, Player positional comparison of helmet impact biomechanics during a Hawaiian high school football season, *Far West Athletic Trainers' Association Annual Meeting and Clinical Symposium*, San Diego, CA, 2022.

Chang RC, Singleton M, Chrisman SP, Giza CC, Cuneo AZ, Murinova N, **Broglia SP**, McCrea M, McAllister TW, Sharma TL, Postinjury alcohol use is associated with prolonged recovery after concussion in NCAA athletes, *15th International Neurotrauma Symposium*, Berlin, Germany, 2022.

Memmini AK, Kinnett-Hopkins DL, Hasson RE, Rifat SE, **Broglia SP**, Implications for future implementation of the post-concussion collegiate return-to-learn protocol within the Power 5 conferences, *Michigan Athletic Trainers' Society*, East Lansing, MI, 2022.

Wu YC, Wen Q, Gill J, Thukral R, Gao S, Lane K, Meier T, Rigger L, Harezlak J, Giza C, Goldman J, Guskiewicz K, Mihalik J, LaConte S, Duma S, **Broglia S**, Saykin A, McAllister T, McCrea M, Longitudinal associations between blood biomarkers and white-matter MRI in sport-related concussion: A study of the NCAA-DoD CARE Consortium, *International Society for Magnetic Resonance in Medicine 31st Annual Meeting*, London, England, 2022.

Roby PR, **Broglia SP**, Master CL, Arbogast KB, Post-injury outcomes following non-sport related concussions in collegiate athletes and cadets, *Society for Advancement of Violence and Injury Research*, Washington DC, 2022.

Seifert J, Shah AS, Harezlak J, Naganobori H, Muench J, Rowson S, Duma S, Guskiewicz K, Mihalik J, Rikken L, Brooks A, Giza CC, Goldman J, McGinty G, Jackson JC, Cameron KL, Houston MN, Pasquina P, **Broglio S**, McAllister T, McCrea M, Stemper BD, Elevated rate of head impacts at time of injury in concussed NCAA Division I American football players: Findings from the NCAA-DoD CARE Consortium, *International Brain Injury Association Virtual World Congress on Brain Injury*, virtual, 2021.

Liebel SW, Van Pelt KL, McAllister TW, McCrea MA, **Broglio SP**, Sport-by-sport recovery trajectories for NCAA civilian collegiate athletes following concussion, *International Neuropsychological Society*, virtual, 2021.

Seifert J, Shah AS, Harezlak J, Rowson S, Mihalik J, Rikken L, Duma S, Brooks A, Cameron KL, Giza CC, Goldman J, Guskiewicz K, Houston MN, Jackson JC, McGinty G, Pasquina P, **Broglio S**, McAllister T, McCrea M, Stemper BD, Head impact exposure may influence post concussion acute clinical outcome in NCAA Division I football players: Findings from the NCAA-DoD CARE Consortium, *Society for Neuroscience*, virtual, 2021.

Moody JN, Hayes JP, Buckley TA, Schmidt JD, **Broglio SP**, McAllister TW, McCrea M, Pasquina PF, Caccese JB, Age of first concussion and cognitive, psychological, and physical outcomes, *American Academy of Neurology Sport Concussion Conference*, virtual, 2021.

Garcia GG, Lavieri MS, McAllister T, McCrea M, **Broglio SP**, The value of incorporating symptom-reporting behavior in optimal treatment decisions: An application to return-to-play from sports-related concussion, *42nd Annual Meeting of the Society for Medical Decision Making*, virtual, 2021.

Seifert J, Shah A, Muench J, Harezlak J, Rowson S, Mihalik JP, Duma S, Pasquina P, **Broglio SP**, McAllister TW, McCrea M, Stemper BD, The effect of head impact exposure in NCAA Division I football on concussion symptom severity, *Summer Biomechanics, Bioengineering and Biotransport Conference*, virtual, 2021.

Aderman MJ, Brett BL, Ross J, Malvasi S, McGinty G, Jackson J, Estevez C, Brodeur R, Svoboda SJ, McCrea M, **Broglio SP**, McAllister T, Pasquina P, Cameron KL, Houston MN, Association between symptom clusters at initiation of a return to activity protocol and time to return to unrestricted activity after concussion in service academy Cadets, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, virtual, 2021.

Memmini AK, Freeman D, Hasson RE, Palincsar AS, **Broglio SP**, Undergraduate students' experience returning to academics after concussion, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, virtual, 2021.

Liebel SW, Van Pelt KL, Garcia GGP, Czerniak LL, McCrea MA, McAllister T, **Broglio SP**, Sensation-seeking is associated with sport-related concussion risk and incidence and sport contact level in collegiate athletes, *International Neuropsychological Society*, virtual, 2021.

Weber Rawlins ML, McCrea M, McAllister T, **Broglia SP**, Schmidt JD, Does sensation seeking behavior predict collegiate student-athletes' concussion care seeking? *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Atlanta, GA, *Journal of Athletic Training*, 55(6S):S142, 2020.

Memmini AK, Kim J, Hu X, Weissman DH, Rogers A, Herzog N, Renberg S, Sobzack ML, Kovelman I, **Broglia SP**, Identifying effects of concussion on behavioral and hemodynamic changes using functional near-infrared spectroscopy, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Atlanta, GA, *Journal of Athletic Training*, 55(6S):S219, 2020.

Singichetti B, Marshall SW, Cantrell J, Breedlove KM, McCrea M, **Broglia SP**, McAllister TW, School-level determinants of variability in observed concussion incidence: A CARE Consortium study, *Society of the Advancement of Violence and Injury Research Annual Conference*, Philadelphia, PA, 2020.

Czerniak LL, Liebel SW, Garcia GGP, Lavieri MS, McCrea MA, McAllister T, **Broglia SP**, CARE Consortium Investigators, Characterizing the accuracy of computer-based neurocognitive tests in sport-related concussion, *Institute for Operations Research and the Management Sciences Annual Meeting*, 2020.

Czerniak LL, Liebel SW, Garcia GGP, Lavieri MS, McCrea MA, McAllister T, **Broglia SP**, Sensitivity and specificity of computer-based neurocognitive exams in sport-related concussion verifies a multi-dimensional clinical assessment as the gold standard for concussion diagnosis: Findings from the NCAA-DoD CARE Consortium, *10th Annual Traumatic Brain Injury Conference*, Washington, DC, 2020.

Broglia SP, McCrea M, Katz B, LaPradd M, McAllister T, The influence of sport participation on concussion assessments across a collegiate career, *2020 Military Health System Research Symposium*, Kissimmee, FL, 2020.

McCrea MA, Shah A, Duma S, Rowson S, Harezlak J, McAllister TW, **Broglia SP**, Giza CC, Goldman J, Cameron KL, Houston MN, McGinty G, Jackson JC, Guskiewicz K, Mihalik J, Brooks MA, Pasquina P, Stemper BD, Concussion and head impact exposure in college football players: Findings from the NCAA-DoD Concussion Assessment, Research and Education (CARE) Consortium, *2020 Military Health System Research Symposium*, Kissimmee, FL, 2020.

Memmini AK, Kim J, Hu X, Weissman DH, Rogers A, Herzog N, Renberg S, Sobzack ML, Kovelman I, **Broglia SP**, Measuring changes in attention task and hemodynamic oxygenation in post-concussion patients using functional near-infrared spectroscopy, *American College of Sports Medicine 67th Annual Meeting*, San Francisco, CA, *Medicine & Science in Sports & Exercise*, 52(7S):312, 2020.

Todd KS, Lapointe AP, **Broglia SP**, Sentiment analysis of journal articles, press releases, and news articles pertaining to Chronic Traumatic Encephalopathy, *American College of Sports Medicine 67th Annual Meeting*, San Francisco, CA, *Medicine & Science in Sports & Exercise*, 52(7S):618, 2020.

Fox LA, Wittrup EM, Memmini AK, Breedlove KM, **Broglia SP**, How do concussions affect NBA player performance measurements?, *American College of Sports Medicine 67th Annual Meeting*, San Francisco, CA, *Medicine & Science in Sports & Exercise*, 52(7S):310-311, 2020.

Feinberg GJ, Lapointe AP, Van Pelt KL, Dougherty LA, Memmini A, Breedlove KM, **Broglia SP**, Analyzing chronic balance deficits in a concussed population, *American College of Sports Medicine 67th Annual Meeting*, San Francisco, CA, *Medicine & Science in Sports & Exercise*, 52(7S):535, 2020.

Callahan CE, Moore RD, Crew AA, Vesia M, Register-Mihalik JK, **Broglia SP**, Assessing the Relationship Between Depression Related Symptoms and Post-Concussion Clinical Outcomes, *American College of Sports Medicine 67th Annual Meeting*, San Francisco, CA, *Medicine & Science in Sports & Exercise*, 52(7S):956, 2020.

Singichetti B, Marshall SW, Breedlove KM, Cameron KL, Pasquina PF, McCrea M, **Broglia SP**, McAllister TW, School-level determinants of variability in observed concussion incidence: A CARE Consortium study, *2020 Society for Advancement of Violence and Injury Research (SAVIR) Conference*, Philadelphia, PA, 2020

Stemper BD, Shah AS, Rikken L, Rowson S, Mihalik J, Duma S, McAllister T, **Broglia S**, McCrea M, Correlation of the timing of concussion with periods of elevated head impact exposure in college football, *Biomedical Engineering Society 2019 Annual Meeting*, Philadelphia, PA, 2020.

Castellanos J, Phoo CP, Eckner JT, Franco L, **Broglia SP**, McCrea M, McAllister T, Wiens J, Concussion Risk Prediction in Collegiate Athletes and Military Cadets: A Machine Learning Approach Using Baseline Data from the CARE Consortium Study, *Big Sky Athletic Training & Sports Medicine Concussion Conference*, Big Sky, MT, 2020.

Broglia SP, Harezlak J, Katz B, Zhao S, McAllister T, McCrea M, Optimization of the concussion assessment battery, *2019 Military Health System Research Symposium*, Kissimmee, FL, 2019.

Stemper BD, Shah AS, Rowson S, Duma S, Harezlak J, Mihalik J, Rikken L, Cameron KL, Houston MN, Jackson J, McGinty G, **Broglia S**, McAllister T, McCrea M, Changes in preseason head impact exposure for football athletes at the military service academies following 2017 and 2018 NCAA rule changes, , *2019 Military Health System Research Symposium*, Kissimmee, FL , 2019.

McAllister TW, Kenny R, Harland J, Harezlak J, **Broglia S**, McCrea M, Profile of Brief Symptom Inventory-18 (BSI-18) scores in civilian and military collegiate athletes, *2019 Military Health System Research Symposium*, Kissimmee, FL , 2019.

Giza CC, Huber D, Gill J, McAllister T, **Broglia S**, Meier T, McGinty G, Cameron K, Pasquina P, McCrea M, Acute biomarkers in military cadets sustaining concussions outside of varsity sports participation, *2019 Military Health System Research Symposium*, Kissimmee, FL , 2019.

McCrea M, Huber D, Gill J, Giza C, McAllister T, **Broglia S**, Meier T, Blood biomarkers in acute sport-related concussion: Findings from the NCAA-DoD CARE Consortium, *2019 Military Health System Research Symposium*, Kissimmee, FL, 2019.

Sharma TL, Kerrigan J, McArthur D, McAllister TW, McCrea M, **Broglia S**, Giza C, Flying may not affect symptom recovery after concussion in athletes, *American Academy of Neurology Sport Concussion Conference*, Indianapolis, IN, *Neurology*, 93(14), S23-S23, 2019

Harrison AT, Lapointe A, McAllister T, McCrea M, **Broglia SP**, Moore RD, and CARE Consortium Investigators, Recovery profiles following concussion among male athletes with a family history of neurodegenerative disease: Data from the NCAA-DOD CARE Consortium, *American Academy of Neurology Sport Concussion Conference*, Indianapolis, IN, 2019.

Gunn BS, McAllister T, McCrea M, **Broglia S**, Moore RD, and CARE Consortium Investigators, Neurodevelopmental disorders and risk of concussion: Findings from the NCAA-DOD Concussion Consortium, *American Academy of Neurology Sport Concussion Conference*, Indianapolis, IN, 2019.

Gunn BS, CARE Consortium Investigators, McAllister T, McCrea M, **Broglia S**, Moore RD, The influence of psycho-stimulant medication on concussion recovery in athletes with ADHD: Findings from the NCAA-DOD Concussion Consortium, *American Academy of Neurology Sport Concussion Conference*, Indianapolis, IN, 2019.

Kay JJM, Lapointe AT, McAllister T, McCrea M, **Broglia SP**, Moore RD, The influence of hormonal contraceptives on cognitive recovery in concussed collegiate athletes: Data from the NCAA-DoD CARE Consortium, *American Academy of Neurology Sport Concussion Conference*, Indianapolis, IN, 2019.

Caccese JB, Houck Z, Kaminski TW, Clugston JR, Iverson GL, Bryk K, Oldham JR, Pasquina PF, **Broglia SP**, McAllister TW, McCrea M, Buckley TA, CARE Consortium Investigators, Estimated age of first exposure to American football and outcome from concussion, *American Academy of Neurology Sport Concussion Conference*, Indianapolis, IN, *Neurology*, 93 (14):, S6-S7, 2019.

Wu YC, Mustafi SM, Harezlak J, Elsaid NM, Lin Z, Riggen LM, Koch K, Nencka A, Meier T, Wang Y, Giza C, DiFiori J, Guskiewicz K, Mihalik J, LaConte S, Duma S, **Broglia S**, McCrea M, Saykin A, McAllister T, Longitudinal white-matter abnormalities in sports-related concussion: A study of diffusion magnetic resonance imaging from the NCAA-DOD CARE Consortium, *International Society for Magnetic Resonance in Medicine*, Montreal, Quebec, 2019.

Wu YC, Mustafi SM, Harezlak J, Elsaid NM, Riggen LM, Koch K, Nencka A, Meier T, Wang Y, Giza C, DiFiori J, Guskiewicz K, Mihalik J, LaConte S, Duma S, **Broglia S**, McCrea M, Saykin A, McAllister T, Effects of tract length in white matter alterations after sports-related concussion: A diffusion MRI study from the NCAA-DOD CARE Consortium, *International Society for Magnetic Resonance in Medicine*, Montreal, Quebec, 2019.

Broglia SP, Memmini AK, Van Pelt KL, Wicklund AH, Perception of child concussion risk in adults without children, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Las Vegas, NV, *Journal of Athletic Training*, 54 (6S), S26, 2019.

McGuine TA, Schwarz A, Post E, Pfaller A, Hetzel S, Brooks MA, **Broglia SP**, The impact of Athletic Trainers on the incidence and management of concussions in high school athletes, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Las Vegas, NV, *Journal of Athletic Training*, 54 (6S), S167, 2019.

Memmini AK, Van Pelt KL, Wicklund AH, **Broglia SP**, Does a parent's background influence their child's participation in contact sports?, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Las Vegas, NV, *Journal of Athletic Training*, 54 (6S), S135-136, 2019.

Resch JE, Walton SR, Broshek DK, Goodkin H, Comstock D, **Broglia SP**, McGuine T, Adherence to state concussion legislation in high schools with varying levels of exposure to Certified Athletic Trainers, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Las Vegas, NV, *Journal of Athletic Training*, 54 (6S), S153, 2019.

Bookbinder HA, Houston MN, O'Connor KL, D'Lauro C, Brodeur R, Cameron KL, Campbell DE, Allred CD, Johnson BR, Kelly TF, Malvasi SM, McGinty GT, O'Donnell PG, Peck KY, Posner MA, Roach SP, Svoboda SJ, Pasquina PF, McAllister T, McCrea M, **Broglia SP**, Test-retest reliability of the BSI-18 in United States Service Academy Cadets: Findings from the NCAA-DoD CARE Consortium, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Las Vegas, NV, *Journal of Athletic Training*, 54 (6S), S290, 2019.

Breedlove KM, Memmini AK, **Broglia SP**, Evaluation of concussion prediction with head impact density by receiver operating characteristic, *American College of Sports Medicine 66th Annual Meeting*, Orlando, FL, *Medicine & Science in Sports & Exercise*, 51(6):471, 2019.

Feinberg GJ, Lapointe AP, Van Pelt KL, Dougherty LA, Memmini A, Breedlove KM, **Broglia SP**, Examining persistent deficits in gait utilizing inertial measurement units, *American College of Sports Medicine 66th Annual Meeting*, Orlando, FL, *Medicine & Science in Sports & Exercise*, 51(6):578, 2019.

Dougherty LA, Van Pelt KL, Lapointe AP, Feinberg GJ, Memmini AK, Breedlove KM, **Broglia SP**, Long term effects of concussion on eye tracking patterns, *American College of Sports Medicine 66th Annual Meeting*, Orlando, FL, *Medicine & Science in Sports & Exercise*, 51(6):412, 2019.

Memmini AK, Van Pelt KL, Wicklund AH, **Broglia SP**, Adult perception of a child's sport concussion risk, *American College of Sports Medicine 66th Annual Meeting*, Orlando, FL, *Medicine & Science in Sports & Exercise*, 51(6):577, 2019

Wittrup EM, Fox LA, Breedlove KM, Lapointe AP, **Broglia SP**, Evaluation of the rate of orthopedic injuries of concussed and non-concussed players in the NFL, *American College of Sports Medicine 66th Annual Meeting*, Orlando, FL, *Medicine & Science in Sports & Exercise*, 51(6):768, 2019.

O'Connor KL, Dougherty L, Fienberg G, Lapointe A, **Broglia SP**, No effect of randomizing concussion symptom presentation on symptom number or severity reporting, *American College of Sports Medicine 66th Annual Meeting*, Orlando, FL, *Medicine & Science in Sports & Exercise*, 51(6):577, 2019.

Breedlove KM, Bowman TG, Lininger MR, McCrea M, McAllister TW, **Broglia SP**, Comparison of concussion recovery in male and female lacrosse athletes, *16th Annual Sport-Related Concussion Conference: Focus on the Female Athlete*, Boston, MA, 2019.

Caccese JB, Iverson GL, Cameron KL, Houston MN, McGinty GT, Jackson JC, O'Donnell P, Pasquina P, **Broglia SP**, McCrea M, McAllister T, Buckley TA, Age of first exposure to contact sports and neurocognitive performance in U.S. Service Academy athletes, *Sports Neuropsychological Society*, Seattle, WA, *Archives of Clinical Neuropsychology*, 34(5): 753-753, 2019.

Todd K, Lapointe AP, **Broglia SP**, Sentiment analysis of journal articles and news articles pertaining to CTE, *Sports Neuropsychological Society*, Seattle, WA, *Archives of Clinical Neuropsychology*, 34(5): 738, 2019.

Brett BL, Wu Y, Mustafi SM, Harezlak J, Giza CC, DiFiori JP, Guskiewicz KM, Mihalik JP, McAllister TW, Broglia SP, White matter abnormalities on diffusion tensor imaging following recovery from sport-related concussion and risk of subsequent re-injury, *Sports Neuropsychological Society*, Seattle, WA, *Archives of Clinical Neuropsychology*, 34(5): 736-736, 2019

Harrison AT, Lapointe A, McAllister T, McCrea M, **Broglia SP**, Moore RD, CARE Consortium Investigators, Impact of family history of neurodegenerative disease on concussion recovery profiles: Data from the NCAA-DoD CARE Consortium, *International Brain Injury Association: The 13th World Congress on Brain Injury*, Toronto, Ontario, 2019.

Gunn BS, Lapointe A, **Broglia SP**, Moore RD, CARE Consortium Investigators, Neurodevelopmental disorders and risk of concussion: Findings from the NCAA-DOD Concussion Consortium, *International Brain Injury Association: The 13th World Congress on Brain Injury*, Toronto, Ontario, 2019.

Kay JJM, Lapointe A, McAllister T, McCrea M, **Broglia SP**, Moore RD, CARE Consortium Investigators, The influence of hormonal contraceptives on concussion outcomes in collegiate athletes: Data from the NCAA-DoD CARE Consortium, *International Brain Injury Association: The 13th World Congress on Brain Injury*, Toronto, Ontario, 2019.

Broglia SP, Katz B, McCrea M, McAllister T, The acute natural history of concussion - Normal recovery, *2018 Military Health System Research Symposium*, Kissimmee, FL, 2018.

Bonis JM, Klein AP, Tetzlaff JE, Nelson LD, Mayer AR, Huber DL, Harezlak J, Mathews JP, Ulmer JL, Sinson GP, Nencka AS, Koch KM, Wu YC, Saykin AJ, **Broglia SP**, McAllister T, McCrea MA, Meier TB, CARE Consortium Investigators, Prevalence of clinically significant MRI findings in athletes with and without sport-related concussion, *2018 Military Health System Research Symposium*, Kissimmee, FL, 2018.

McAllister T, Katz B, McCrea M, **Broglia SP**, Delayed and incomplete recovery after concussion, *2018 Military Health System Research Symposium*, Kissimmee, FL, 2018.

McAllister T, McCrea M, **Broglia SP**, Pasquina PF, Harland J, Rettmann A, Koschnitzke M, CARE Consortium Investigators, Evolution and findings of the CARE Consortium: A pivot to studying cumulative and persistent effects of concussion and repetitive head impact exposure, *2018 Military Health System Research Symposium*, Kissimmee, FL, 2018.

Stemper BD, Shah AS, Rowson S, Duma S, Harezlak J, Mihalik J, Riggen L, Cameron K, Campbell D, Jackson J, McGinty G, Svoboda S, **Broglia SP**, McAllister T, McCrea M, Mechanisms of concussion in football athletes at the military service academies: single impact versus repetitive head impact exposure, *2018 Military Health System Research Symposium*, Kissimmee, FL, 2018.

Wu YC, M Mustafi SM, Harezlak J, Koch KM, Nencka AS, Meier TB, West JD, Giza CC, DiFiori JP, Guskiewicz KM, Mihalik JP, LaConte SM, Duma SM, **Broglia SP**, Saykin AJ, McCrea M, McAllister TW, White-Matter Abnormalities in Sports-Related Concussion: A Longitudinal Study of Diffusion Magnetic Resonance Imaging from the NCAA-DoD CARE Consortium, *2018 Military Health System Research Symposium*, Kissimmee, FL, 2018.

O'Connor KL, Cameron KL, Campbell DE, D'Lauro C, Houston MN, Jackson J, Johnson BR, McGinty G, O'Donnell PG, Peck KY, Svoboda SJ, McAllister T, McCrea M, **Broglia SP** Individual Symptoms Classify Typical and Atypical Concussion Recovery Duration, *2018 Military Health System Research Symposium*, Kissimmee, FL, 2018.

Eckner JT, Conley RS, Garton HJL, Weiss NE, Ojeda LV, Esquivel AO, Kassel RD, Kulik G, Ransford PJ, **Broglia SP**, Ashton-Miller JA, Comparing head impact kinematics simultaneously measured using six different sensors in a human cadaver model, *American Academy of Neurology Sport Concussion Conference*, Indianapolis, IN, 2018.

Stemper B, Shah A, Rowson S, Duma S, Mihalik J, Harezlak J, Rigger L, **Broglia S**, McAllister T, McCrea M, Comparison of head impact exposure between concussed and non-concussed football athletes, *Biomedical Engineering Society*, Atlanta, Georgia, 2018.

Cunningham J, **Broglia SP**, Gissane C, Farrell G, Denver K, Wilson F, Self-reported cognitive difficulties are not supported by objective measures in retired contact sport athletes: A systematic review, *European College of Sport Science*, Dublin, Ireland, 2018.

Broglia SP, Cunningham J, Gissane C, Farrell G, Denver K, Wilson F, An investigation into the reliability of self-reported concussion history in current Leinster rugby players. *European College of Sport Science*, Dublin, Ireland, 2018.

Stemper BD, Shah AS, Wild J, Humm JR, Pintar FA, **Broglia SP**, McAllister TW, McCrea M, Role of repetitive head impact exposure in the onset of concussion: evidence of a possible second mechanism of concussion for contact sports, *International Research Conference on the Biomechanics of Injury*, Athens, Greece, 2018.

Joseph K, **Broglia SP**, Kontos A, Levin H, Schneider K, Wilde E, Ala'i S, Esterlitz J, Gay K, Bellgowan P, Sport-Related Concussion CDE Working Group, Harmonizing data sharing: NIH/NINDS and DOD sport-related concussion common data elements (CDE) recommendations, *4th Federal Interagency Conference on Traumatic Brain Injury*, Washington, DC, 2018.

Walton SR, Broshek DK, Goodkin HP, **Broglia SP**, Resch JE, The effects of gender and sports-related concussion history on self-reported baseline measures of health-related quality of life and symptomology. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, New Orleans, LA, *Journal of Athletic Training*, 53(6S):S198, 2018.

Houston MN, O'Connor KL, D'Lauro C, Cameron KL, Campbell DE, Allred CD, Johnson BR, Kelly T, McGinty, O'Donnell PG, Peck KY, Svoboda SJ, Pasquina P, McAllister T, McCrea M, Broglio SP. Test-retest reliability of the Immediate Post-Concussion Assessment and Cognitive Test in United States Service Academy Cadets: A report from the Concussion Assessment, Research, and Education Consortium. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, New Orleans, LA, *Journal of Athletic Training*, 53(6S):S267, 2018.

Jackson JC, Allred CD, Anderson BM, Baldovich KJ, Cameron KL, Campbell DE, D'Lauro CJ, Houston MN, Johnson BR, Kelly T, McGinty GT, O'Connor KL, O'Donnell PG, Peck KY, Robb JB, Svoboda SJ, Zupan MF, Pasquina P, McAllister T, McCrea M, **Broglio SP**, Concussion and mental health among United States Service Academy cadets, *American College of Sports Medicine 65th Annual Meeting*, Minneapolis, MN, *Medicine and Science in Sports and Exercise*, 50(5S):582, 2018.

Cameron KL, Houston MN, O'Connor KL, Peck KY, Svoboda SJ, Kelly T, Allred D, Campbell DE, D'Lauro CJ, Johnson BR, McGinty G, O'Donnell PG, Pasquina P, McAllister T, McCrea M, **Broglio SP**, Risk of Concussion by Sex and Activity in U.S. Service Academy Cadets, *American College of Sports Medicine 65th Annual Meeting*, Minneapolis, MN, *Medicine and Science in Sports and Exercise*, 50(5S):1, 2018.

O'Connor KL, Allred CD, Cameron KL, Campbell DE, D'Lauro CJ, Houston MN, Jackson J, Johnson BR, Kelly T, McGinty G, O'Donnell PG, Peck KY, Svoboda SJ, Pasquina P, McAllister T, McCrea M, **Broglio SP**, Concussion recovery trajectories among United States Service Academy Members, *American College of Sports Medicine 65th Annual Meeting*, Minneapolis, MN, *Medicine and Science in Sports and Exercise*, 50(5S):228-229, 2018.

Kontos A, **Broglio SP**, Levin H, Schneider K, Wilde E; Joseph K, Ala'i S, Esterlitz J, Gay K, Bellgowan P, Sport-Related Concussion CDE Working Group, NINDS/NIH and DOD Sport-Related Concussion Common Data Elements: A Common Language for Clinical Research, *American College of Sports Medicine 65th Annual Meeting*, Minneapolis, MN, *Medicine and Science in Sports and Exercise*, 50(5S):476, 2018.

Joseph JR, Swallow JS, Willsey K, Lapointe A, O'Connor K, Szerlip N, **Broglio SP**, Pupillary changes after nonconcussive high-acceleration head impacts in high school football athletes, *Congress of Neurological Surgeons 2018 Annual Meeting*, Houston, TX, 2018.

Lapointe AP, Vokulich P, Williams, RM, Rettmann A, Swallow J, **Broglio SP**, The effect of one season of football exposure on quality of life measures, *Sports Neuropsychology Society Symposium*, Washington, DC, 2018.

Swallow J, Joseph J, Willsey K, Lapointe AP, O'Connor KL, **Broglio SP**, Pupillary light reflex changes after high Magnitude sub-concussive impacts in high school football players, *Sports Neuropsychology Society Symposium*, Washington, DC, 2018.

Joseph JR, Swallow JS, Lapointe A, Willsey K, Park P, Szerlip N, **Broglio SP**, Elevated markers of brain injury as a result of clinically asymptomatic high-acceleration head impacts in high school football athletes. *American Academy of Neurological Surgeons: Congress of Neurological Surgeons - Pediatric Meeting*, Houston TX, 2017.

Broglia SP, O'Connor KL, McAllister T, McCrea M, The effect of gender and somatic symptoms report on concussion recovery, *XXII World Congress of Neurology*, Kyoto, Japan, 2017.

O'Connor KL, Allred CD, Cameron KL, Campbell DE, D'Lauro C, Houston MN, Johnson BR, McGinty G, O'Donnell PG, Peck KY, Svoboda SJ, McAllister TM, McCrea M, **Broglia SP**, Contact sport exposure does not have detrimental effect on baseline neurocognitive performance or symptoms, *XXII World Congress of Neurology*, Kyoto, Japan, 2017.

O'Connor KL, Allred CD, Cameron KL, Campbell DE, D'Lauro C, Houston MN, Johnson BR, McGinty G, O'Donnell PG, Peck KY, Svoboda SJ, McAllister TM, McCrea M, **Broglia SP**, History of diagnosed and undiagnosed concussions at baseline had differential impact on neurocognitive performance and symptom scores, *XXII World Congress of Neurology*, Kyoto, Japan, 2017.

Lapointe AP, O'Connor KL, **Broglia SP**, Time between impacts as a factor in kinematic models predicting concussion, *XXII World Congress of Neurology*, Kyoto, Japan, 2017.

Lapointe AP, Saroka K, **Broglia SP**, Persinger MA, Exposure to contact sports predicts the reliability of daily quantitative electroencephalographic measurements, *XXII World Congress of Neurology*, Kyoto, Japan, 2017.

Broglia SP, The utility of motor control assessments in concussion management, *57th Annual Meeting of the Society for Psychophysiological Research*, Vienna, Austria 2017.

Broglia SP, O'Connor KL, McAllister T, McCrea M, Concussion history and neurocognitive performance: Data from the Concussion Assessment, Research, and Education (CARE) Consortium, *Military Health System Research Symposium*, Tampa, FL, *2017 Military Health System Research Symposium*, Tampa, FL 2017.

O'Connor KL, Allred CD, Cameron KL, Campbell DE, D'Lauro C, Houston MN, Johnson BR, McGinty G, O'Donnell PG, Peck KY, Svoboda SJ, McAllister T, McCrea M, **Broglia SP**, Effect of environment on neurocognitive testing among United States cadets, *Military Health System Research Symposium*, Tampa, FL, *2017 Military Health System Research Symposium*, Tampa, FL 2017.

McCrea M, McAllister T, **Broglia SP**, Guskiewicz KM, Marshall S, Impact of modern consensus guidelines on prevention of repeat concussion in collegiate football players: Data from the NCAA Concussion Study (1999-2001) and CARE Consortium (2014-15), *Military Health System Research Symposium*, Tampa, FL, *2017 Military Health System Research Symposium*, Tampa, FL 2017.

Stemper BD, Shah AS, Harezlak J, Rowson S, Rigger LD, Giza CC, DiFiori JP, Brooks A, Guskiewicz KM, Svoboda SJ, Cameron KL, Campbell D, McGinty GT, Mihalik JP, Duma SM, McAllister T, **Broglia SP**, McCrea M, Descriptive analysis of repetitive head impact exposure in concussed American football athletes compared to position and team-matched controls, *Military Health System Research Symposium*, Tampa, FL, *2017 Military Health System Research Symposium*, Tampa, FL 2017.

Swallow J, Joseph J, Willsey K, Park P, Szerlip N, **Broglia SP**, Online resources provide inconsistent return to play instructions following concussion, *Congress of Neurological Surgeons*, Boston, MA, 2017.

Joseph JR, Swallow J, Lapointe AL, Willsey K, Park P, Szerlip N, **Broglia SP**, Serum biomarker changes are not associated with head impact exposure in high school football athletes, *National Neurotrauma Society*, Salt Lake City, UT, 2017.

Joseph JR, Swallow J, Willsey K, Park P, Szerlip H, **Broglia SP**, Does a Severe Head Impact Result in Measurable Neurocognitive Changes? *American Association of Neurological Surgeons*, Los Angeles, CA, 2017.

Hansen C, Armistead-Jehle P, **Broglia SP**, Test-retest reliability of the Medical Symptom Validity Test via Root Mean Square difference, *American Academy of Clinical Neuropsychology*, Boston, MA, 2017.

Broglia SP, Lapointe AP, O'Connor K, McCrea M, Head impact density a better estimator of concussion than threshold, *American College of Sports Medicine*, Denver, CO *Medicine and Science in Sports and Exercise*, 49(5S):835, 2017.

Lapointe A, Nolasco L, Sosnowski A, Andrews E, Martini DN, Gates DH, **Broglia SP**, Gender specific differences in knee kinematics between participants with and without a concussion history, *American College of Sports Medicine*, Denver, CO, *Medicine and Science in Sports and Exercise*, 49(5S):836, 2017.

O'Connor KL, Bhargava T, Lapointe AL, **Broglia SP**, National Hockey League players' concussion and lower-body injury risk across the 2012-2015 seasons, *American College of Sports Medicine*, Denver, CO, *Medicine and Science in Sports and Exercise*, 49(5S):860, 2017.

O'Connor KL, Ross B, Sharma DK, Bhargava T, Zakrajsek J, Pradhan A, **Broglia SP**, Effects of concussion history on driving behaviors and motion sickness, *International Brain Injury Association World Congress on Brain Injury*, New Orleans, LA, 2017.

Lapointe AP, Nolasco L, Sosnowski A, Andrews E, Martini DN, Gates DH, **Broglia SP**, Biomechanical differences during a jump cut motion in those with and without a concussion history, *International Sport Concussion Consensus Meeting*, Berlin, Germany *British Journal of Sports Medicine*, 51(11): A2, 2017.

O'Connor KL, Scoboda SJ, Campbell DE, Cameron KL, Peck KY, Houston MN, McGinty G, D'Lauro C, Johnson BR, Allred CD, O'Donnell P, McCrea M, McAllister T, **Broglia SP**, The prevalence of concussion with the military academies: Findings from the Concussion Assessment, Research and Education (CARE) Consortium, *International Sport Concussion Consensus Meeting*, Berlin, Germany, *British Journal of Sports Medicine*, 51(11): A33, 2017.

Garcia GG, Lavieri MS, **Broglia SP**, A Markov decision process to model symptom self-reporting behavior in concussion management, *3rd Multidisciplinary Conference on Reinforcement Learning and Decision Making*, Ann Arbor, MI, 2017.

Broglia SP, Kontos A, Schneider K, Wilde E, Joseph K, Ala'i S, Esterlitz J, Gay K, Bellgowan P, A common data language for clinical research studies: The National Institute of Neurological Disorders and Stroke, National Institutes of Health and Department of Defense traumatic brain injury sports-related concussion common data elements recommendations, *Sports Neuropsychology Concussion Symposium 2017*, Cleveland, OH 2017.

Broglia SP, McAllister T, McCrea M, Overview and preliminary data from the Concussion Assessment, Research, and Education (CARE) Consortium, *2016 Military Health System Research Symposium*, Tampa, FL 2016.

Swartz EE, **Broglia SP**, Cook SB, Cantu RC, Ferrara M, Guskiewicz KM, Myers JL, A helmetless tackling training intervention to decrease head impacts in American football. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Baltimore, MD, *Journal of Athletic Training*, 51(6):S-26, 2016.

Myers JL, Swartz EE, Cook SB, **Broglia SP**, Cantu RC, Ferrara MS, Guskiewicz KM A Comparison of head impact exposure between football practice types, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Baltimore, MD, *Journal of Athletic Training*, 51(6):S-201, 2016.

Beckwith JG, Bolander RP, Greenwald RM, Ji S, McAllister TW, Chu JJ, Crisco JJ, Wilcox BJ, Duma SM, Rowson S, **Broglia SP**, Guskiewicz KM, Mihalik JP, Anderson S, Schnebel PG, Collins MW, Estimated brain tissue response following impacts associated with and without diagnosed concussion, *American Academy of Neurology 2016 Sport Concussion Conference*, Chicago, IL 2016.

Kerr KY, Roos KG, Djoko A, Dalton SL, **Broglia SP**, Marshall SW, Dompier TP, Epidemiologic measures for quantifying the incidence of concussion in NCAA sports, *6th Annual Traumatic Brain Injury Conference*, Washington DC, 2016.

Broglia SP, Williams, RM, O'Connor KL, The effect of restricting full contact football practice on repeated head impact exposure, *American College of Sports Medicine*, Boston, MA, *Medicine and Science in Sports and Exercise*, 48(5 Suppl 1):815-816, 2016.

O'Connor KL, Lapointe A, Galdys M, **Broglia SP**, The effect of concussion on professional ice hockey player performance, *American College of Sports Medicine*, Boston, MA, *Medicine and Science in Sports and Exercise*, 48(5 Suppl 1):877, 2016.

Lapointe A, Sosnowski A, Andrews E, Martini DN, **Broglia SP**, Landing kinetics differences in those with and without a concussion history, *American College of Sports Medicine*, Boston, MA, *Medicine and Science in Sports and Exercise*, 48(5 Suppl 1):815, 2016.

Dowling MM, Williams RM, O'Connor KL, **Broglia SP**, No significant cognitive changes following season of high school soccer, *American College of Sports Medicine*, Boston, MA *Medicine and Science in Sports and Exercise*, 48(5 Suppl 1):506, 2016.

Martini DN, Eckner JT, Meehan SK, **Broglia SP**, Long-term effects of adolescent concussion history on cognition, *American College of Sports Medicine*, Boston, MA, *Medicine and Science in Sports and Exercise*, 48(5 Suppl 1):532, 2016.

Garcia GG, **Broglia SP**, Lavieri M, Quantifying risk thresholds for on-field concussion diagnosis, *Industrial and Systems Engineering Research Conference*, Anaheim, CA 2016.

Kerr ZY, Roos KG, Dompier TP, Dalton SL, Djoko A, **Broglia SP**, Marshall SW, Estimating concussion incidence in college sports: Rates, risks, average per team, and proportion of teams with concussions, *2016 World Congress on Brain Injury*, Hague, Netherlands 2016.

Niceley MM, Dalton SL, O'Connor K, Roos KG, **Broglia SP**, Dompier TP, Kerr ZY, Concussions sustained in high school student-athletes from 27 sports, 2011/12-2013/14 school years, *2016 Big Sky Athletic Training Sports Medicine Conference*, Big Sky, MT 2016.

Broglia SP, Rettmann A, Greer J, Moore B, Brimacombe S, Eckner JT, ERP-based measure of Brain Network Activation (BNA) in concussed and control athletes, *American Academy of Neurology Sport Concussion Conference*, Denver, CO 2015.

Williams RM, Westfall D, O'Connor KL, Rettmann AN, Hillman CH, **Broglia SP**, Pre and post season ERP changes following sub-concussive head impacts during a season of football and the comparison to non-contact controls, *American Academy of Neurology Sport Concussion Conference*, Denver, CO 2015.

O'Connor KL, Eckner JT, Bancroft R, Pohorence M, Kutcher JS, **Broglia SP**, Effect of previous concussion on baseline neurocognitive performance between genders, *American Academy of Neurology Sport Concussion Conference*, Denver, CO 2015.

Eckner JT, Rettmann A, Narisetty N, Greer J, Moore B, Brimacombe S, He X, **Broglia SP**, Stability of an ERP-based measure of Brain Network Activation (BNA) in athletes: A new electrophysiological assessment tool for concussions, *American Academy of Neurology Sport Concussion Conference*, Denver, CO 2015.

McAllister TW, McCrea M, **Broglia SP**, The NCAA-DoD Grand Alliance: Concussion Assessment, Research and Education (CARE) Consortium, *Military Health System Research Symposium*, Tampa, FL, 2015.

Sjoquist DJ, Stemper BD, Shah AS, Murtha J, Humm JR, LaRoche A, Pfaller A, **Broglia SP**, Guskiewicz KM, McCrea M, Influence of recent head impact history on biomechanics of concussion sustained in college football athletes, *Summer Biomechanics, Bioengineering and Biotransport Conference*, Snowbird, UT, 2015.

Martini DN, Meehan S, Gates D, **Broglia SP**, A preliminary investigation: long-term effects of concussion on obstacle crossing, *American College of Sports Medicine*, San Diego, CA, *Medicine and Science in Sports and Exercise*, 47(5) S-711, 2015.

Williams RM, Rettmann AR, Almeida AA, **Broglia SP**, Relationship between high school football and neurocognitive changes, *American College of Sports Medicine*, San Diego, CA, *Medicine and Science in Sports and Exercise*, 47(5) S-9, 2015.

Eckner JT, **Broglia SP**, Kutcher JS, Ashton-Miller JA. Is neck girth associated with head impact magnitude in high school athletes? *2015 Association of Academic Physiatrists Annual Meeting*, San Antonio, TX, 2015.

O'Connor KL, Martini DN, **Broglia SP**, Sensitivity and specificity of linear acceleration for concussive injury, *2015 Big Sky Athletic Training Sports Medicine Conference*, Big Sky, MT 2015.

Beckwith JG, Bolander RP, Greenwald RM, Songbai J, McAllister TW, Chu JJ, Crisco JJ, Wilcox BJ, Duma SM, Rowson S, **Broglia SP**, Guskiewicz KM, Mihalik JP, Anderson S, Schnebel B, Brolinson PG, Collins MW, The role of cumulative head impact exposure in differentiating head impacts associated with diagnosed concussion, *World Congress of Biomechanics*, Boston, MA, 2014.

Beckwith JG, Bolander RP, Greenwald RM, Songbai J, McAllister TW, Chu JJ, Crisco JJ, Wilcox BJ, Duma SM, Rowson S, **Broglia SP**, Guskiewicz KM, Mihalik JP, Anderson S, Schnebel B, Brolinson PG, Collins MW, Estimated brain tissue response following impacts associated with and without diagnosed concussion, *Sixth International Symposium on Safety in Ice Hockey*, Toronto, Canada, 2014.

Broglia SP, Eckner JT, Giza CC, Guskiewicz KM, Kutcher JS, McCrea M, Effect of a single season of sport participation on clinical neurocognitive outcomes: A comparison of non-contact, contact, and collision sport athletes, *American Academy of Neurology Sports Concussion Conference*, Chicago, IL, 2014.

Martini DN, Mirdami J, Meehan SK, **Broglia SP**, The effects of TMS on neural plasticity in young adults with a concussion history, *American Academy of Neurology Sports Concussion Conference*, Chicago, IL, 2014.

Reams N, Eckner JT, Kutcher JS, Bancroft R, Pohorence M, **Broglia SP**, Effect of prior concussion on baseline neurocognitive function in NCAA athletes, *American Academy of Neurology Sports Concussion Conference*, Chicago, IL, 2014.

Mayfield RM, Rettmann AN, Moore BK, Kutcher JS, **Broglia SP**, Sub-concussive head impact monitoring and the relationship with cognitive functioning, *American Academy of Neurology Sports Concussion Conference*, Chicago, IL, 2014.

Mayfield RM, Rettmann AN, Moore BK, **Broglia SP**, Health related quality of life declines from pre-season to mid-season in high school football athletes. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Indianapolis, IN, *Journal of Athletic Training*, 49(3) S-94, 2014.

Martini DN, Meehan SK, **Broglia SP**, Preliminary investigation: Effects of concussion history on visuomotor performance, *American College of Sports Medicine*, Orlando, FL, *Medicine & Science in Sports & Exercise*, 46(5S):16-19, 2014.

Eckner JT, **Broglia SP**, Kutcher JS, Ashton-Miller JA, Use of a novel impact-sensing technology to compare head impact exposure between male and female high school ice hockey athletes: A pilot observational study, *American Academy of Physical Medicine and Rehabilitation*, National Harbor, MD, October 2013.

Martini DN, Scott SM, Weindorf JH, Hudson SR, **Broglia SP**, Long-term upper extremity motor performance following concussion: A preliminary investigation, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Las Vegas, NV, *Journal of Athletic Training*, 48(3) S16, 2013.

Parks AC, Moore RD, **Broglia SP**, Covassin TM, Hillman CH, Pontifex MB, Cognitive load induced response variability in young adults with a history of concussion, *American College of Sports Medicine*, Indianapolis, IN, *Medicine and Science in Sports and Exercise*, 45(5S) 364-365, 2013.

Karis N, Eckner JT, Kutcher JS, **Broglia SP**, Head impact exposure and magnitude in high school football players by position, *American Academy of Neurology Annual Meeting*, San Diego, CA, *Neurology*, 80(1) 266, 2013.

Moore RD, **Broglia SP**, Hillman CH. The long-term influence of concussion on young adults' sensory processing. *Concussion in Athletes: Brain to Behavior, 2nd Annual Conference*, State College, PA, *Springer Abstracts*, 2012.

Moore RD, Wu KT, **Broglia SP**, Hillman CH. The influence of concussion on neuroelectric function, attention and response variability, *Concussion in Athletes: Brain to Behavior, 2nd Annual Conference*, State College, PA, *Springer Abstracts*, 2012.

Moore RD, Wu CT, Pontifex MB, **Broglia SP**, Hillman CH, The persistent influence of concussion on neuroelectric function and response variability, *Society for Psychophysiological Research*, New Orleans, LA, *Psychophysiology*, 49, S82, 2012.

Almeida A, Kutcher JS, Eckner JT, **Broglia SP**, Head impact differences in contact and non-contact football sessions, *Big Sky Athletic Training and Sports Medicine Conference*, Big Sky, MT, February 2013.

Martini DN and **Broglia SP**, The relationship of sub-concussive impacts and cognition, *American College of Sports Medicine*, San Francisco, CA, *Medicine and Science in Sports and Exercise*, 44(5): S543, 2012.

Eckner JT, Kutcher JS, **Broglia SP**, Richardson JK, Effect of sport related concussion on clinically measured reaction time, *American College of Sports Medicine*, San Francisco, CA, *Medicine and Science in Sports and Exercise*, 44(5):S266, 2012.

Eckner JT, Kutcher JS, Weisberg A, Zeiger M, **Broglia SP**, Is migraine headache associated with concussion in athletes? A case-control study, *64th American Academy of Neurology Annual Meeting*, New Orleans, LA, 2012.

Beckwith JG, Greenwald RM, Chu JJ, Crisco JJ, Rowson S, Duma SM, **Broglia SP**, McAllister TW, Guskiewicz KM, Mihalik JP, Anderson S, Schnebel B, Brolinson PG, Lund B, Collins MW, Biomechanical basis for mild traumatic brain injury: Severity and frequency of head impacts sustained by football players on days of diagnosed concussion diagnosis, *Ninth World Congress on Brain Injury*, Edinburgh, Scotland, *Brain Injury* 26(4-5): 420-421, 2012.

Beckwith JG, Greenwald RM, Chu JJ, Crisco JJ, Rowson S, Duma SM, **Broglia SP**, McAllister TW, Guskiewicz KM, Mihalik JP, Anderson S, Schnebel B, Brolinson PG, Lund B, Collins MW, Biomechanical basis for mild traumatic brain injury: Timing of concussion diagnosis is related to head impact exposure prior to injury, *Ninth World Congress on Brain Injury*, Edinburgh, Scotland, *Brain Injury* 26(4-5): 424-425, 2012.

Wu CT, Moore RD, Pontifex MB, **Broglia SP**, Hillman CH, Persistent influence of concussion on response variability measures of cognitive control, *Association for Psychological Science*, Chicago, IL, 2012.

Moore RD, **Broglia SP**, Brander KM, Wu VF, Hillman CH, The long term influence of concussion on young adults' cognition, *Cognitive Neuroscience Society*, Chicago, IL, *Journal of Cognitive Neuroscience*, 24: C70, 2012.

Moore RD, **Broglia SP**, Brander KM, Wu VF, Hillman CH, The long-term influence of concussion on attention and conflict monitoring, *Society for Psychophysiological Research*, Boston, MA, *Psychophysiology*, 48: S56, 2011.

Chen Y, Sutton B, **Broglia SP**, Ostoja-Starzewski M, Brain deformation under mild impact: Magnetic resonance imaging based assessment and finite element study, *American Society of Mechanical Engineers: Applied Mechanics and Materials Conference*, Chicago, IL, 2011.

Broglia SP, Sabin MJ, Sosnoff JJ, Zimmerman J, Prevalence of injurious impacts in interscholastic football, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, New Orleans, LA, *Journal of Athletic Training*, 46(3):S15, 2011.

Sabin MJ, Leal EW, Gordon JR, Sosnoff JJ, **Broglia SP**, Reliability of the Modified-Sensory Star Excursion Balance Test, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, New Orleans, LA, *Journal of Athletic Training*, 46(3):S159, 2011.

Storvsed JR, Swartz EE, **Broglia SP** Cervical Spine Injury in a High School Football Player, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, New Orleans, LA *Journal of Athletic Training*, 46(3):S151-152, 2011.

Broglia SP, Martini DN, Sosnoff JJ, Medial-lateral center of pressure velocity is greater in those with a concussion history, *American College of Sports Medicine*, Denver, CO, *Medicine and Science in Sports and Exercise*, 43(5), 129, 2011.

Martini DN, Sabin MJ, DePesa SA, Leal EW, Negrete TN, Sosnoff JJ, **Broglia SP**, The chronic effects of concussion on gait, *International Olympic Committee World Conference on Prevention of Injury and Illness in Sport*, Monte-Carlo, Monaco, *British Journal of Sports Medicine*, 45(4): 361-362, 2011.

Broglia SP, Macciocchi SN, Multiple baseline concussion neurocognitive assessments are needed in interscholastic athletes, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Philadelphia, PA, *Journal of Athletic Training*, 45(3):S57-58, 2010.

Sabin MJ, Ebersole KT, Price JW, Martindale AR, **Broglia SP**, Differences in balance following pre-season conditioning, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Philadelphia, PA, *Journal of Athletic Training*, 45(3):S93, 2010.

Broglia SP, Schnebel B, Sosnoff JJ, Shin S, Feng X, He X, Zimmerman J, Concussion in high school football: A biomechanical assessment, *American College of Sports Medicine*, Baltimore, MD, *Medicine and Science in Sports and Exercise*, 42(5), S84, 2010.

Cooper ER, Ferrara MS, Resch J, **Broglia SP**, Casa DJ, Powell JW, Exertional heat illness (EHI): Illness rates for college football participants during pre-season practice – A predictor for heat acclimatization, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, San Antonio, TX, *Journal of Athletic Training*, 44(3):S37, 2009.

Broglia SP and Sosnoff JJ, The relationship between cognitive and postural control performance with self-report concussion symptoms, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, San Antonio, TX, *Journal of Athletic Training*, 44(3):S46, 2009.

Broglia SP, Sosnoff JJ, Shin S, Ferrara MS, Long term changes in balance following concussion, *American College of Sports Medicine*, Seattle, WA, *Medicine and Science in Sports and Exercise*, 41(5):S120, 2009.

Shin S, Sosnoff JJ, **Broglia SP**, Reducing ankle movement has no effect on postural control dynamics, *American College of Sports Medicine*, Seattle, WA, *Medicine and Science in Sports and Exercise*, 41(5):S359, 2009.

Cooper E, Monk A, Sopiartz K, **Broglia SP**, The influence of ankle support on postural control, *Southeast Athletic Trainers' Association Annual Research Seminar*, Fort Lauderdale, FL, 2009.

Broglia SP, Concussion Assessment: Clinical Interpretation of the NeuroCom SOT, *Great Lakes Athletic Trainers' Association Annual Meeting*, Fort Wayne, IN, 2009.

Pontifex MB, O'Connor PM, **Broglia SP**, Hillman CH, The influence of mTBI history on the cognitive control of action monitoring, *Society for Psychophysiological Research*, Austin TX. *Psychophysiology*, 45:S36, 2008.

Ferrara MS, Cooper ER, **Broglia SP**, Casa DJ, Powell JW, Resch J, The incidence of exertional heat illness in American football, *International Convention of Science, Education and Medicine in Sport*, Guangzhou, China, 2008.

Broglia SP, Zimmerman J, Alcaraz CA, Hadla T, Rao PR, An assessment of head impacts incurred during a season of interscholastic football, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, St Louis MS. *Journal of Athletic Training*, 43(3):S32, 2008.

Broglia SP, Heo S, O'Connor PM, Pontifex MB, George DC, Johnson CR, Valentini TA, Hillman CH, The chronic effect of concussion on clinical neurocognition and neuroelectric indices of attention, *American College of Sports Medicine*, Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 40(5):S68, 2008.

O'Connor PM, Heo S, Pontifex MB, **Broglia SP**, Brown ML, Musuruana R, Hillman CH, Alterations in the Cognitive Control of Action Monitoring with a History of Concussion, *American College of Sports Medicine*, Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 40(5):S69, 2008.

Sosnoff JJ, **Broglia SP**, Ferrara MS, Coupling between cognitive and motor function following mild traumatic brain injury, *American College of Sports Medicine*, Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 40(5):S69-70, 2008.

Alcaraz CA, **Broglia SP**, Zimmerman J, The biomechanics of interscholastic football impacts. *American College of Sports Medicine*, Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 40(5):S81, 2008.

Gliottoni RC, Meyers JR, Arngrímsson S, **Broglia SP**, Motl RW, Effect of caffeine on leg muscle pain during intense cycling exercise in low versus high caffeine consumers, *American College of Sports Medicine*, Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 40(5):S302, 2008.

Broglia SP, Bugalski DJ, Cunningham BA, Zimmerman JP, The magnitude and location of head impacts during American football. *5th European Sports Medicine Congress*, Prague, Czech Republic, 2007.

Broglia SP, Puetz TW, The concussion assessment battery: A meta-analysis. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Anaheim, CA. *Journal of Athletic Training*, 42(2):S97, 2007.

Cooper ER, **Broglia SP**, Ferrara MS, Keeler K, Casa DJ, Powell JW, The incidence of exertional heat illness among Division I and III collegiate football players - Preliminary review of a three year study. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Anaheim, CA. *Journal of Athletic Training*, 42(2):S51, 2007.

Broglia SP, Rosengren KS, Using reliable change to establish the sensitivity and specificity of the Sensory Organization Test. *Canadian Athletic Therapists Association 2007 National Conference*, Winnipeg, Canada, 2007.

Broglia SP, Rosengren KS, Sensitivity and specificity of the NeuroCom SOT. *Canadian Athletic Therapists Association 2007 National Conference*, Winnipeg, Canada, 2007.

Ferrara MS, **Broglia SP**, Cooper ER, Casa DJ, Powell JW, Courson RW, Incidence of heat exhaustion – A two year study of American intercollegiate football. *Fédération Internationale de Médecine du Sport (FIMS)*, Beijing, China, 2006.

Broglia SP, Cooper ER, Ferrara MS, The influence of prophylactic ankle taping and shoe application on balance error scores system performance. *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA, 2006.

Cooper ER, **Broglia SP**, Ferrara MS, Casa DJ, Powell JW, Courson RW, The incidence of exertional heat illness among Division I and III collegiate football players – A two year study. *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA, 2006.

Broglia SP, Ferrara MS, Cooper ER, Courson RW, Climatic conditions and exertional heat illness during American football. *World Federation of Athletic Training World Congress*, Edinburgh, Scotland, 2005.

Broglia SP, Tomporowski PD, Ferrara MS Dual-tasking: A new approach to concussion assessment, *World Federation of Athletic Training World Congress*, Edinburgh, Scotland, 2005.

Broglia SP, Cooper ER, Ferrara MS, Courson RW, National differences in environmental conditions during football. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Indianapolis, IN. *Journal of Athletic Training*, 40(2):S53, 2005.

Cooper ER, **Broglia SP**, Ferrara MS, Courson RW, National rates of exertional heat illnesses in college football players. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Indianapolis, IN. *Journal of Athletic Training*, 40(2):S53, 2005.

Piland SG, Ferrara MS, Gould TE, **Broglia SP**, Fatigue as an indicator of inflated baseline symptom reports. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Indianapolis, IN. *Journal of Athletic Training*, 40(2):S15, 2005.

Broglia SP, Cooper ER, Ferrara MS, Courson RW, National rates of exertional heat illnesses in collegiate football athletes, *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA. 2005.

Broglia SP, Tomporowski P, Ferrara MS, Balance performance with a cognitive task: A dual-task paradigm. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Baltimore, MD, *Journal of Athletic Training*, 39(2):S18, 2004.

Cooper ER, Ferrara MS, **Broglia SP**, Courson RW, Incidence of heat related illness in football at five southeastern universities. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Baltimore, MD. *Journal of Athletic Training*, 39(2):S59, 2004.

Dillon M, Piland SG, **Broglia SP**, Bunn KJ, Dew MJ, Ferrara MS, Diagonal 2 training increases strength but does not effect joint position sense in healthy females. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Baltimore, MD. *Journal of Athletic Training*, 39(2):S64, 2004.

O'Connor P, Motl RW, **Broglia SP** Dose-dependent effect of caffeine on reducing leg muscle pain during cycling exercise is unrelated to systolic blood pressure. *American College of Sports Medicine Annual Meeting*, Indianapolis, IN. *Medicine and Science in Sports and Exercise*, 36(5):S222, 2004.

Broglia SP, Ferrara MS, Cooper E, Courson RW, Football related heat illness in the southeastern United States *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA, 2004.

Broglia SP, Ju YY, Broglia MD, Sell TC, The efficacy of soccer headgear. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, St. Louis, MS. *Journal of Athletic Training*, 38(2):S25, 2003.

Broglia SP, Guskiewicz, KM, Sell, TC, Lephart, SM, No acute changes in measures of postural control following a soccer heading drill. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, St. Louis, MS. *Journal of Athletic Training*, 38(2):S104, 2003.

Hunt TN, **Broglia SP**, Piland SG, Ferrara MS, Levels of self-reported symptomatology on neuropsychological function and postural control in concussed athletes. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, St. Louis, MS. *Journal of Athletic Training*, 38(2):S24, 2003.

Piland SG, Motl RW, **Broglia SP**, Ferrara MS, Evidence for the reliability and validity of the PMF-concussion symptoms scale. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, St. Louis, MS. *Journal of Athletic Training*, 38(2):S27, 2003.

Broglia SP, Ferrara MS, Piland SG, Anderson B, Concussion history is not a predictor of baseline CRI outcome. *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA, 2003.

Piland SG, **Broglia SP**, Ferrara MS, Investigation of non-concussed group responses on a measure of self-reported concussion related symptoms. *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA, 2003.

Hunt TN, Piland SG, **Broglia SP**, Ferrara MS, Anderson RB, The presence of learning disabilities and/or concussion history does not effect computerized neurocognitive performance. *Southeast Athletic Trainers' Association Annual Research Seminar*, Atlanta, GA, 2003.

Broglia SP, Guskiewicz KM, Soccer athletes with concussion history show no deficits in balance or cognition. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Los Angeles, CA. *Journal of Athletic Training*, 36(2):S59, 2001.

Guskiewicz KM, Marshall SW, **Broglia SP**, Cantu RC, Kirkendall DT, No evidence of impaired neurocognitive performance in collegiate soccer players. *American College of Sports Medicine Annual Meeting*, Baltimore, MD. *Medicine and Science in Sport and Exercise*, 33(5):S1047, 2001.

Books

Whiting WC, Zernicke RF, **Broglio SP**, Biomechanics of Musculoskeletal Injury (3rd ed), Human Kinetics, (2023)

Book Chapters

Memmini AK, Balendran V, Pachman SE, **Broglio SP**, Management of Collegiate Sport-Related Concussions. In: Slobounov S.M., Sebastianelli W.J. (eds) Concussions in Athletics, Springer (2021).

Broglio SP, Meehan S, Carender W, Dizziness, imbalance, and vestibular dysfunction, in Textbook of Traumatic Brain Injury, 3rd edition, Silver JM, McAllister TW, and Arciniegas DB (Eds), American Psychiatric Publishing, Inc, New York (2019).

Broglio SP, Return to play, in Sports Neurology: Handbook of Clinical Neurology, 3rd edition, Hainline B and Stern RA (Eds), Elsevier, 158, 193-198 (2018).

Guskiewicz KM, **Broglio SP**, Acute sports-related traumatic brain injury and repetitive concussion, *Handbook of Clinical Neurology*, 127:157-172 (2015).

Broglio SP, Does recovery following concussion actually follow a typical time course and does this really correspond to resolution of self-reported symptoms?, in Quick Consult in Sports Medicine – Concussion, Valovich-McLeod T (Ed), SLACK, Inc (2015).

Broglio SP, Martini DN, Does recovery on clinical tests (eg neurocognitive tests, balance assessments, and symptom reports) represent true recovery of the brain?, in Quick Consult in Sports Medicine – Concussion, Valovich-McLeod T (Ed), SLACK, Inc (2015).

Broglio SP, Martini DN, What are the long-term concerns with concussion?, in Quick Consult in Sports Medicine – Concussion, Valovich-McLeod T (Ed), SLACK, Inc (2015).

Broglio SP, Martini DN, Do sub-concussive blows place athletes at just as much risk for future negative sequelae as athletes with diagnosed concussions?, in Quick Consult in Sports Medicine – Concussion, Valovich-McLeod T (Ed), SLACK, Inc (2015).

Broglio SP, Acute Evaluation and Management of Sport Concussion, in The Oxford Handbook of Sport-related Concussion, Echemendia R, Iverson GL (Eds), Oxford University Press, New York (2014).

Broglio SP, Guskiewicz KM, Management of collegiate sport-related concussions, in Concussions in Athletics: From Brain to Behavior, Slobounov SM, Sebastianelli W (Eds), Springer, Livingston, MT (2014).

Macciocchi SN, **Broglio SP**, Symptom validity assessment and sports concussion, in MTBI, symptom validity assessment and malingering, Bush S and Carone D (Eds), Springer Publishing, New York (2012).

Broglio SP, Ju YY, Broglio MD, Sell TC, The efficacy of soccer headgear. 2004 Year Book of Sports Medicine, American College of Sports Medicine (2004).

Invited Lectures and Symposium Presentations

Advances in concussion care: Findings from the CARE Consortium, *Northeastern University Cognitive & Brain Health Speaker Series*, Boston, MA (April 2025)

Updates on concussion care: The 2024 NATA Bridge Statement on Sports-Related Concussion, *Great Lakes Athletic Trainers Association 2025 Annual Meeting*, Chicago, IL (March 2025)

Insights on recent guiding documents on concussion in sport, NeuroHuddle Conference, Honolulu, Hawaii (January 2025)

Return to learn at the college and high school level, *University of Oregon Center on Brain Injury Research and Training*, webinar (October 2024)

When the lights go out: The short and long-term effects of concussion, *Science on Tap Series*, Brighton, MI (October 2024)

The landscape surrounding athlete health and concussions, International Jockey Concussion, Safety and Wellness Conference, *Horsereading Integrity and Safety Authority*, Lexington, KY (October 2024)

Integrating the NATA's Concussion Bridge Statement into Healthcare Administration Procedures, *National Athletic Trainers' Association Clinical Symposia & AT Expo*, New Orleans, LA (June 2024)

Cutting Edge Concussion Research: Findings from the NCAA-DoD CARE Consortium, *American College Health Association Annual Meeting*, Atlanta, GA (May 2024).

Concussion in Sport: An Update on What We Know and Where We Should Go, *American College of Sports Medicine 71st Annual Meeting*, Boston, MA (May 2024).

Key findings from the CARE (Concussion Assessment, Research and Education) Consortium, *The Annual Traumatic Brain Injury Conference*, Washington DC (May 2024).

Youth American Football: Is a helmet enough?, 7th IOC World Conference on Prevention of Injury and Illness in Sport, Monaco (March 2024).

Key Findings from the CARE Clinical Study Core, *Concussion 360 Toronto*, virtual (September 2023).

Findings from the CARE Consortium, *3rd Annual Intermountain Health Concussion Conference*, Provo, UT (July 2023).

Primary prevention in youth collision sport - American football takes on Rugby Union: Reducing football risk with head impact exposure data, *Steadman Philippon Research Institute 7th Annual Injury Prevention Symposium*, virtual (June 2023).

Structure and findings from the CARE Consortium, *Sports Neuropsychology Society*, Denver, CO (May 2023)

Are all concussions created equal? Comparing civilian student-athletes and military service academies, *6th Matthew Gfeller Neurotrauma Symposium*, Chapel Hill, NC (March 2023)

Assessing concussion: From the NCAA-DOD CARE Consortium to the global stage, *6th Matthew Gfeller Neurotrauma Symposium*, Chapel Hill, NC (March 2023)

The CARE Consortium: Clinical core updates, *10th Annual NYU School of Medicine Concussion Center Conference*, virtual (February 2023).

The CARE Consortium: Findings and future directions, *BIG10 / Ivy League TBI summit*, Philadelphia, PA (July 2022).

The CARE Consortium: Overview and findings, *Hawaii Sports Medicine Summit*, virtual (June 2022).

Longitudinal analysis of recovery trajectories after concussion, *Fifth Annual NCAA-US Department of Defense Grand Alliance Concussion Conference*, virtual (April, 2022).

A study of the acute natural history of concussion: Findings from the CARE Consortium, *University of Waterloo Neuroscience Graduate Seminar Series*, virtual (March 2022).

How the CARE Consortium is shaping concussion policy, *University of Calgary Concussion Seminar*, virtual (February 2022).

Rethinking concussion clinical care: Findings from the CARE Consortium, *Grand Rounds for the University of Washington Department of Rehabilitation Medicine*, virtual (October 2021).

Mind the Gap! Updating Recommendations To Keep Members Informed, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, virtual (June 2021).

Clinical and advanced research findings from the CARE Consortium, *New York University Neurology Grand Rounds*, virtual (May 2021)

Sensitivity and Specialty of Computer-Based Neurocognitive Tests in Sport-Related Concussion Findings from the NCAA-DoD CARE Consortium, *4th Annual NCAA-U.S. Department of Defense Grand Alliance Concussion Conference: A New Era of Scientific Collaboration*, virtual (April 2021).

The role of CARE in concussion management, *New York University 8th Annual Concussion Across the Spectrum of Injury: The Latest in Diagnosis and Management-A Focus on Telehealth*, virtual (February 2021).

NCAA-DoD CARE Consortium Clinical Study Core Update, *National Collegiate Athletic Association Concussion Safety Advisory Group*, virtual (January 2021).

An update from the CARE Consortium, *Montana Athletic Trainers Association*, virtual (December 2020).

CARE Consortium: A multi-site concussion investigation, *University of Michigan Department of Physical Medicine and Rehabilitation*, virtual (October 2020).

A CARE Consortium Update, *National Collegiate Athletic Association Concussion Safety Advisory Group*, Indianapolis, IN (February 2020).

Concussion in football: Data from the CARE Consortium, *National Collegiate Athletic Association Football Concussion Data Task Force*, Indianapolis, IN (February 2020).

CARE Consortium: Updates and what's on the horizon, *New York University Seventh Annual Concussion Across the Spectrum of Injury: Latest in Diagnosis and Management*, New York, NY (February 2020).

Concussion science and best practices, *National Catholic Risk Retention Group Winter Meeting*, Tampa, FL (January 2020).

Value of concussion assessments in clinical care, *Oregon Health and Science University Traumatic Brain Injury Symposium*, Portland, OR (December 2019 - Keynote).

Setting up a research network: Lessons and findings from the CARE Consortium, *Oregon Health and Science University Traumatic Brain Injury Symposium*, Portland, OR (December 2019 - Keynote).

Background and findings of the CARE Consortium, *McMaster University*, Hamilton, ON (November 2019).

The CARE Consortium: Findings from a multi-site concussion study, *Mid-Atlantic Regional Chapter – ACSM*, Harrisburg, PA (November 2019).

The NCAA-DoD CARE Consortium - Clinical Study Core, *National Collegiate Athletic Association Concussion Safety Advisory Group*, Indianapolis, IN (July 2019)

Concussion: From Research to Clinical Practice - The CARE Consortium, *2019 Ohio State Brain Health and Performance Summit*, Columbus, OH (June 2019).

Emerging information from the NCAA-DoD Concussion Assessment, Research and Education Consortium - Longitudinal Clinical Study Core, *Third Annual NCAA-US Department of Defense Grand Alliance Concussion Conference*, Madison, WI (April 2019).

What can you learn about concussion from 45,000 participants? Findings from the CARE Consortium, *Boston University Grand Rounds*, Boston, MA (April 2019).

Are concussions the downfall of football, *University of Michigan Saturday Morning Physics*, Ann Arbor, MI (February, 2019).

Concussion in football, *National Collegiate Athletic Association Football Data Task Force*, Indianapolis, IN (February 2019).

CARE 1.0 Outcomes and Overview of CARE 2.0, *Eastern Athletic Trainer's Association's Concussion Summit*, King of Prussia, Pennsylvania (January, 2019).

The persistent effects of concussion: What science tells us that fake news won't, *Marjorie A. King Research to Reality Presentation, Eastern Athletic Trainer's Association's Concussion Summit*, King of Prussia, Pennsylvania (January, 2019).

Findings from the CARE Consortium: A nationwide prospective investigation of sport concussion, *University of Michigan Health & Fitness Workshop*, Ann Arbor, MI (December 2018).

The Business of Science: Securing Extramural Funding, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, New Orleans, LA (June 2018).

Advances in Sport Concussion Research: Findings from the NCAA-DoD CARE Consortium, *American College of Sports Medicine 65th Annual Meeting*, Minneapolis, MN (May 2018).

Head impact exposure in football: Can we predict concussion? *Sport Neuropsychological Society*, Washington, DC (May 2018).

Emerging information from the NCAA-DoD Concussion Assessment, Research, and Education Consortium - Longitudinal Clinical Study Core, *Second Annual NCAA-DoD Grand Alliance Concussion Conference*, West Point, NY (April 2018).

Concussion Research, *Penn State Sports Analytics Conference*, State College, PA (April 2018).

Injury and concussion rates: Pre-season, *National Collegiate Athletic Association Football Data Task Force*, Indianapolis, IN (February 2018).

Injury and concussion rates: In-season and post-season, *National Collegiate Athletic Association Football Data Task Force*, Indianapolis, IN (February 2018).

Clinical concussion recovery: The CARE Consortium clinical study core, *Royal College of Surgeons in Ireland*, Dublin, Ireland (November 2017)

Concussion in sport - what's the current state of play? What 40,000 athletes have taught us, *Science Gallery*, Dublin, Ireland (November 2017).

CARE Consortium concussion injury and return to play profiles, *University of South Carolina*, Columbia, SC (October 2017)

Persistent effects of sport concussion on motor control, part of: The long-term outcomes of sport-related brain injuries: Insights from psychophysiological research, *Society for Psychophysiological Research*, Vienna, Austria (October 2017)

Early finding from the NCAA-DoD Concussion Assessment, Research, and Education (CARE) Consortium, *New York University Concussion Center Grand Rounds*, New York, NY (September 2017).

The relationship between concussion and cognitive health, *University of Calgary*, Calgary, Canada (August 2017).

Findings from the CARE Consortium Clinical Study Core, *Big Ten-Ivy League Traumatic Brain Injury Research Collaboration*, Chicago, IL (July 2017).

Clinical Updates from the CARE Consortium, *American Academy of Neurology Sport Concussion Conference*, Jacksonville, FL (July 2017).

Long-term and cumulative effects of concussion: Where's the evidence?, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Houston, TX (June 2017).

Concussion Recovery: The natural history and modifiers, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Houston, TX (June 2017).

Concussion research: Emerging evidence from the laboratory, *On common ground: A team approach to sports medicine*, Ann Arbor, MI (June 2017)

Sideline concussion assessment, *Major League Soccer and USA Soccer - Head Injury and Concussion In Soccer; From Science to the Field*, New York, NY (May 2017)

Concussions, CTE, and the Law, *Collegiate Athletic Trainers' Society*, Las Vegas, NV (May 2017).

Does concussion change the brain, *Trinity College Dublin*, Dublin, Ireland (May 2017)

Emerging Concepts in Sport-Related Concussion: Overview and Data From the Concussion Assessment, Research, and Education (CARE) Consortium, *International Brain Injury Association's 12th World Congress on Brain Injury*, New Orleans, LA (March 2017)

The NCAA-DoD Concussion Assessment, Research and Education (CARE) Consortium: Longitudinal Clinical Study Core, *Sport-Related Concussion: A New Era of Scientific Collaboration*, Los Angeles, CA (January 2017)

Sport concussion: A brief overview, *Kalamazoo Rotary Club*, Kalamazoo, MI (December 2016).

Is the sky falling? The long term effects of concussion, *National Academy of Kinesiology*, Albuquerque, NM (October 2016).

Does concussion alter long term cognitive health? *University of California Neurotrauma Symposium*; Santa Rosa, CA (September 2016)

Should contact sports be banned: The long term risks of concussion, *Michigan Athletic Trainers' Society Clinical Symposium*, Ypsilanti, MI (June 2016).

Life after concussion, *University of Virginia 2016 Art and Science of Medicine meeting*, Charlottesville, VA (June 2016).

Repeated head impact exposure in high school football, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, part of: The "Impact" of Head Impacts in Sport; Baltimore, MD (June 2016).

Concussion research: What are the risks of contact sports?, *Return on Investment: A Sports Medicine Approach*, Ann Arbor, MI (May 2016)

Concussion, *Gull Lake Area Rotary Club*, Kalamazoo, MI (April 2016).

When the cheering stops: The after effects of concussion, *6th Annual First Coast Sports Injury Symposium & Concussion Update*; Jacksonville, FL (April 2016).

Impact mechanics in football athletes, *6th Annual First Coast Sports Injury Symposium & Concussion Update*; Jacksonville, FL (April 2016).

Is rest best? Concussion recovery, *6th Annual First Coast Sports Injury Symposium & Concussion Update*; Jacksonville, FL (April 2016).

Just the facts mam: Sport concussion, *National Association of Social Workers - Spring Continuing Education Conference for Social Workers*; Charleston, WV (April 2016).

The soup to nuts of concussion, *National Association of Social Workers - Spring Continuing Education Conference for Social Workers*; Charleston, WV (April 2016).

Life after concussion in college sports, *South by Southwest Conferences and Festivals*; Austin, TX (March 2016).

The CARE data: What is the natural history of concussion, *International Brain Injury Association World Congress on Brain Injury*; The Hague, Netherlands (March 2016).

Does concussion have an enduring effect? *American Clinical Neurophysiology Society Annual Meeting and Courses*; Orlando, FL (February 2016).

Concussion diagnosis and management update: New data from the CARE Consortium Clinical Study Core, *NCAA Safety in College Football Summit*; Orlando, FL (February 2016).

Lasting effects of concussion, *Big Sky Athletic Training and Sports Medicine Conference*; Big Sky, MT (February 2016).

Prevention efforts and reducing the risk of concussion: Are we making progress? *Concussions in the Young Athlete VuMedi webinar* (January 2016).

Treatment options for sports-related concussion, *Arizona State University Center for Law: Safeguarding Brains: The Law, Science & Ethics of the Concussive Injury Epidemic*; Tempe, AZ (November 2015).

The NCAA Perspective on the Relationship between Head Trauma and CTE. *2015 International State-of-the-Science meeting on "Does Repeated Blast-Related Trauma Contribute to the Development of Chronic Traumatic Encephalopathy (CTE)?"*; McLean, VA (November 2015).

What is the long term risk of concussion? Fact v Fiction, *The University of Delaware Distinguished Scholars Lecture Series*; Newark, DE (November 2015).

NCAA-DoD CARE Consortium - A longitudinal investigation, *2015 International Professional Sports Concussion Research Think Tank*; London, England (October 2015).

The National Collegiate Athletic Association and Department of Defense Grand Alliance: The Concussion Assessment, Research, and Education (CARE) Consortium, *International Initiative for Traumatic Brain Injury Research (InTBIR) Meeting*; Brussels, Belgium (October 2015).

The NeuroTrauma Research Laboratory: An Overview, *University of Michigan Exercise and Sport Science Institute Symposium*; Ann Arbor, MI (September 2015).

Do concussions have a lasting effect?: What the data tell us, *Michigan State University's Department of Neurology and Ophthalmology Grand Rounds*; Lansing, MI (September 2015).

Prospective cohort research in sports mTBI, *American Academy of Neurology Sport Concussion Conference*; Denver, CO (July 2015).

The science and media of sport concussion, *Academy for Sports Dentistry*; Chicago, IL (June 2015).

Persistent effects of concussion: How concussive injury during the teen years impacts cognitive and motor performance, *National Summit on Sports Concussion: Sports and Concussion Outcomes*; Los Angeles, CA (June 2015).

Sport concussion update, *University of Michigan All Eyes on Concussion*; Ann Arbor, MI (May 2015).

Concussion: Does the Science Support the Headlines, *National Association of Social Workers - Spring Continuing Education Conference for Social Workers*; Charleston, WV (April 2015).

Sport Concussion: The forces and vectors of injury, *Dell Children's Medical Center of Texas, Healthy Brain Foundation Annual Concussion Conference*; Austin, TX (April 2015).

Ways to reduce concussion in sports based on biomechanics, *Dell Children's Medical Center of Texas, Healthy Brain Foundation Annual Concussion Conference*; Austin, TX (April 2015).

Sports and Brain Injuries, *University of Michigan Museum of Natural History Science Café*; Ann Arbor, MI (March 2015).

The concussion problem: The NCAA's perspective, *International State-of-the-Science Meeting on the Biomedical Basis for Mild Traumatic Brain Injury (mTBI) Environmental Sensor Threshold Values*; McLean, VA (November 2014).

Balance and concussion, *University of Nebraska Concussion Think Tank*; Lincoln, NE (September 2014).

Concussion revisited, *2014 Medicine of Cycling Conference*; Colorado Springs, CO (August 2014).

Concussion - The science behind the headlines, *Rocky Mountain University of Health Professions*; webinar (August 2014).

The fight for evidence-based sports concussion management, *University of Michigan Department of Neurology Grand Rounds*; Ann Arbor, MI (August 2014).

NCAA-DoD: Grand Alliance – Concussion assessment, research and education consortium, *Big Ten/CIC-Ivy League Traumatic Brain Injury Research Collaboration Summit*; Philadelphia, PA (July 2014).

Post-Concussive Syndrome, *American Academy of Neurology, The Sports Concussion Conference*; Chicago, IL (July 2014).

Concussion research findings: What we know about concussion's lasting effects, *University of Michigan Sport Concussion and Emergency Management Symposium*; Ann Arbor, MI (May 2014).

Sport Concussion: Biomechanics to brainwaves, *University of Washington Injury Prevention Center*; Seattle, WA (May 2014).

NATA Position Statement: Management of sport concussion, *Youth Sport Safety Summit*; Washington DC (March 2014).

The role of balance in the concussion assessment paradigm, *Medical Professional eSeminar Series*; webinar (February 2014).

Rest, Recovery & Exercise Post Concussion, *Big Sky Athletic Training and Sports Medicine Conference*; Big Sky, MT (February 2014).

Everything I've learned about concussions, *University of Michigan 20th Annual Physical Education Workshop*; Ann Arbor, MI (December 2013 - Keynote).

Concussive and sub-concussive impacts: Implications for chronic outcomes, *University of Missouri - Kansas City*; Kansas City, MS (November 2013).

Balance assessment: From the athletic field to the battlefield, *National Intrepid Center of Excellence (NICoE)*; Bethesda, MD (October 2013).

Hard knocks: What you need to know about concussions, *Michigan Intramural - Recreational Sports Association*; Ann Arbor, MI (October 2013).

Concussion and minimal brain injury, *American Academy of Family Physicians Scientific Assembly*; San Diego, CA (September 2013).

Head impact biomechanics, *University of California at Los Angeles Sports Medicine Grand Rounds*; Los Angeles, CA (September 2013).

The kinetics and kinematics of head impacts, *University of California Neurotrauma Symposium*; Santa Barbara, CA (September 2013).

My rider has a concussion...now what?, *2013 Medicine of Cycling Conference*; Colorado Springs, CO (September 2013).

Roadside concussion assessment, *Interbike Trade Show*; Las Vegas, NV (September 2013).

Sport concussion: From bench to bedside, *National Athletic Trainers' Association Continuing Education Webinar*; webinar (September 2013).

The reliability of computerized concussion assessment tools, *Department of Defense Neurocognitive Assessment Tool Workshop*; webinar (August, 2013).

Management of sport concussion, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*; Las Vegas, NV (June 2013).

Strategies for rehabilitation and consideration for rest, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, part of: Sport-related concussion: What more do we know today and where are we making progress?; Las Vegas, NV (June 2013).

Sport concussion in collegiate athletics, *Bowling Green State University Department of Athletics*; Bowling Green, OH (June 2013).

Football impact dynamics: Measuring hits to the head: *Brain Trauma Foundation*; webinar (June 2013).

Concussion identification and evaluation, *USA Cycling: Race Officials' Training*; webinar (May 2013).

Concussion and its chronic effects on cognitive function, *Virginia Polytechnic Institute School of Biomedical Engineering and Sciences*; Blacksburg, VA (May 2013).

Concussion biomechanics, *University of Michigan, Department of Physical Medicine and Rehabilitation Thirtieth Annual James W. Rae Scientific Day*; Ann Arbor, MI (May 2013).

Impact biomechanics: Do big and little hits have the same result?, *University of Pittsburgh Department of Orthopedic Surgery Grand Rounds*; Pittsburgh, PA (April 2013).

Concussion identification and evaluation, *USA Cycling: Race Director's Summit*; Colorado Springs, CO (April 2013).

Concussion biomechanics and their role in long term disease, *Chi Epsilon Civil Engineering Honors Society*; Ann Arbor, MI (March 2013).

Concussion management: Updating the National Athletic Trainers' Association Position Statement, *Matthew Gfeller Sport-Related Neurotrauma Symposium*; Chapel Hill, NC (March 2013).

Sport concussion: Making sense out of scrambled eggs, *University of Toledo Sports Medicine Lecture Series*; Toledo, OH (February 2013).

A concussion discussion: Questions and (some) answers, *University of Oregon Department of Human Physiology*; Eugene, OR (February 2013).

A multifaceted approach to concussion assessment, *Big Sky Athletic Training and Sports Medicine Conference*; Big Sky, MT (February 2013).

Head impacts and chronic outcomes, *University of Michigan Depression Center Colloquium Series*; Ann Arbor, MI (January 2013).

Concussion assessment tools: Evidence for use, *Medicine of Cycling Conference*; Colorado Springs, CO (August 2012).

Concussion, *University of Michigan MedSport Outreach Clinic*; Ann Arbor, MI (July 2012).

Concussion and minimal brain injury, *Pennsylvania Academy of Family Physicians*; Annapolis, MD (July 2012).

Use of the Head Impact Telemetry System to understand concussion mechanics, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*; St. Louis, MS (June 2012).

Biomechanical aspects of concussion, Part of: *Concussions: Practical Management Strategies for Athletic Trainers*; Ann Arbor, MI (May 2012).

Everything you wanted to know about concussions in under 60 minutes, *Rocky Mountain University of Health Professions*; webinar (May 2012).

Sport concussion biomechanics, *American Medical Society for Sports Medicine*; Atlanta, GA (April 2012).

Managing risks of university athletic programs: Sport concussion, *Michigan Universities Self-Insurance Corporation*; Big Rapids, MI (April 2012).

The biomechanics of concussion, *University of Texas - Arlington Concussion Summit*; Arlington, TX (March 2012).

Concussion research in the interscholastic setting: Current issues, *University of Wisconsin - Madison Athletic Training Education Program Alumni and Friends Celebration*; Madison, WI (February 2012).

Head impact biomechanics: Concussion biomechanics, *Big Sky Athletic Training and Sports Medicine Conference*; Big Sky, MT (January 2012).

Sport Concussion: A biomechanical perspective, part of: Sports Related Head Injuries, *14th European Congress of Neurosurgery*; Rome, Italy (October 2011).

Assessing balance following concussion, *Athletic Trainers' Society of New Jersey 2nd Annual Sports Concussion Summit*; Plainsboro, NJ (July 2011).

Cognitive and motor functioning following sport related mild traumatic brain injury, *Carle Neuroscience Symposium*; Urbana, IL (April 2011).

Equipment and biomechanical considerations for concussion prevention, *International Olympic Committee World Conference on Prevention of Injury and Illness in Sport*, part of: Prevention of sport-related concussion and long-term effects of recurrent mTBI: Is research driving clinical practice?; Monaco, Monte Carlo (April 2011).

A closer look at sport concussion, *United States Youth Soccer Workshop 2011*; Louisville, KY (February 2011).

Concussion Management-Implications for Practice, *Illinois Athletic Trainers' Association Symposium*; Lisle, IL (November 2010 - keynote).

Brain trauma biomechanics: All hits are not created equal, *Southwest Athletic Trainers' Association*; Arlington, TX (July 2010).

Concussion in interscholastic football: Organizing field based research, *Carle Foundation Hospital*; Urbana, IL (November 2009).

The sideline evaluation: A systematic approach, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, part of: Sport-related concussion - Navigating the Latest Research Findings and Clinical Recommendations; San Antonio, TX (June 2009).

The relationship between cognitive and postural control performance with self-report concussion symptoms, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, part of: The concussion dilemma: Are we headed in the right direction?; San Antonio, TX (June 2009).

Concussion: Transient and persistent outcomes, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*; San Antonio, TX (June 2009).

The acute and persistent effects of sport concussion, *Catholic University of Rome: Institute of Biochemistry and Clinical Biochemistry*; Rome, Italy (May 2009).

The usefulness of neuropsychological testing in monitoring long term problems, *3rd International Conference on Concussion in Sport*; Zurich, Switzerland (October 2008).

Special Interest Group: Concussion in Sport, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*; St Louis, MS (June 2008).

Stability of common computerized tests for concussion assessment, *American College of Sports Medicine*, Featured Science Session: Neuropsychological Assessment of the Concussed Athlete: Only One Piece of the Concussion Puzzle; Indianapolis, IN (May 2008).

Helmet impacts during high school football: A biomechanical assessment, *Big Ten Sports Medicine Meeting*; Chicago, IL (May 2008).

Traumatic brain injury in sport: The Unity High School concussion project, *Illinois High School Association Sports Medicine Meeting*; Bloomington, IL (April 2008).

History of concussion is associated with suppressed neuroelectric activity in young adults, *4th International Meeting on mTBI in Sports*; St Moritz, Switzerland (March 2008).

Concussion assessments: Do they measure what we think?, *4th International Meeting on mTBI in Sports*; St Moritz, Switzerland (March 2008).

Sport Related Concussion: What we know about the acute and chronic effects, *University of Montreal: Centre de Recherche En Neuropsychologie Expérimentale et Cognition*; Montreal, Canada (February 2008).

Concussion in Sport: It's a hard knock life, *Brain and Cognition Seminar*; University of Illinois at Urbana-Champaign, IL (November 2007).

Concussion in sport, *Department of Kinesiology and Community Health Exercise Physiology and Athletic Training Seminar*; University of Illinois at Urbana-Champaign, IL (October 2006).

Bicycling Mechanics, *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*; Atlanta, GA (June 2006).

Concussion testing: The UGAA sport medicine approach, *Georgia Sports Medicine Symposium*; Athens, GA (June 2005).

The concussion discussion: Pre-season testing protocols and post-injury treatment, *Sports Health College and University Sports Medicine Meetings*; Portland, OR (June, 2003).

The concussion discussion: Pre-season testing protocols and post-injury treatment, *Sports Health College and University Sports Medicine Meetings*; Austin, TX (May, 2003).

RESEARCH GRANTS AND CONTRACTS

Ongoing

Wiebe D (PI), Power L, Allen PG, Smith S, Hoffman G, Bretzin A, Wexler L, Zeoli A, Alexander N, Miller A, Cross F, Goldstick J, Coughlin L, Bonar E, Kilbourne A, Heinze J, Carter P, Ehrlich P, Stoddard S, King C, Bohnert A, Flannagan C, **Broglia SP (co-I)**, Walton M, Sokol R, The University of Michigan Injury Prevention Center, *Department of Health and Human Services - Centers for Disease Control and Injury Prevention*, \$850,000, 2024-2029

Broglia SP (PI), Empowering communities through knowledge: Debunking myths of concussions in Michigan, Michigan Institute for Clinical & Health Research (MICHHR), \$15,000, 2024-2025.

Broglia SP (co-PI), McAllister TW, McCrea M, Pasquina P, Characterizing potential chronic brain health effects of concussion and repetitive head impact exposure: The CARE-SALTOS Integrated (CSI) Study, *Medical Technology Enterprise Consortium (MTEC)*, \$25,000,000, 2021-2026.

Broglia SP (co-PI), McAllister TW, McCrea M, Pasquina P, Characterizing potential chronic brain health effects of concussion and repetitive head impact exposure: The CARE-SALTOS Integrated (CSI) Study, (National Football League augmentation funds), *Henry Jackson Foundation*, \$7,650,000, 2021-2026.

Broglia SP (co-PI), McAllister TW, McCrea M, Pasquina P, Characterizing potential chronic brain health effects of concussion and repetitive head impact exposure: The CARE-SALTOS Integrated (CSI) Study, *National Collegiate Athletic Association*, \$10,000,000, 2021-2026.

Broglia SP (PI), Michigan Concussion Center, *University of Michigan Biosciences Initiative*, \$5,163,408, 2018-2025.

Completed

Eckner JT (PI), Ashton-Miller J, Peterson M, He X, **Broglia SP (co-I)**, Jacobson J, How do the neck muscles influence head acceleration during sport associated impact events in high school athletes? *National Institutes of Health - National Institute of Child Health and Human Development (1R01HD093733-01A1)*, \$3,868,136, 2018-2024.

Pasquina P (PI), **Broglia SP (co-I)** McAllister TW, McCrea M, Service Academy Long Term Outcomes Study (SALTOS), Uniformed Services University \$2,555,000, 2019-2023.

Broglia SP (co-PI), McAllister TW, McCrea M, Pasquina P, Cumulative and persistent intermediate effects of concussion and head impact exposure in CARE Consortium Military Service Academy members and NCAA Athletes, *USA Medical Research Acquisition Activity (W81XWH-18-2-0047)*, \$9,991,334, 2018-2022.

Broglia SP (co-PI), McAllister TW, McCrea M, Pasquina P, A prospective, longitudinal study of the intermediate and cumulative effects of concussion and repetitive head impact exposure in NCAA student-athletes and U.S. Military Service Academy members, *National Collegiate Athletic Association*, \$20,485,847, 2018-2023.

Broglio SP (co-PI), Islam M, Kovelman I, Rogers A, Concussion diagnosis: Beyond "How many fingers am I holding up?" *University of Michigan Exercise and Sport Science Initiative*, \$99,938, 2018-2020.

Cunningham R (PI), Maust D, Martin J, Bohnert A, Bingham C, **Broglio SP (co-I)**, Buckley L, Walton M, Resnicow K, Cranford J, Caldwell C, Tzilos G, Flannagan C, Carter P, Goldstick J, Lin L, Dahlem G, Ehrlich P, Zimmerman M, Eisman A, Heinze J, Stoddard S, University of Michigan Injury Center, *Centers for Disease Control and Prevention (R49CE002009-05S1)*, \$818,045, 2017-2019

Broglio SP (co-PI), McAllister TW, McCrea M, The National Collegiate Athletic Association - Department of Defense Grand Alliance: Concussion Assessment, Research, and Education (CARE) Consortium, *USA Medical Research Acquisition Activity (option funding)*, \$4,999,999; 2016-2018.

Broglio SP (co-PI), McAllister TW, McCrea M, The National Collegiate Athletic Association - Department of Defense Grand Alliance: Concussion Assessment, Research, and Education (CARE) Consortium, *USA Medical Research Acquisition Activity (W81XWH-14-2-0151)*, \$19,635,999; 2014-2018.

Eckner JT (PI), Ashton-Miller JA, Conley RS, **Broglio SP (co-I)**, Garton H, Development and validation of a "Gold Standard" *in vivo* head impact sensor, *University of Michigan Injury Center*, \$25,000 2015-2017.

Swartz EE (co-PI), **Broglio SP (co-PI)**, Prevention of head impacts in football: The HuTT technique (Phase I), *National Football League/Under Armour/GE Head Health Challenge II: Innovative Approaches For Identifying And Preventing Brain Injury*, \$500,000; 2014-2017.

Joseph JR (PI), **Broglio SP (Co-I)**, Park P, Evaluating neurocognitive impairment and serum biomarkers of mild traumatic brain injury in high-school football athletes with high acceleration head impact, *American Association of Neurological Surgeons Codman Resident NeuroTrauma Research Award*, \$40,000 2016-2017.

Broglio SP (PI), Kutcher JS, He X, The impact of concussive and sub-concussive blows on brain network activity, *The National Institutes of Health: National Institute of Neurological Disorders and Stroke (1R15NS081691-01)*, \$435,212; 2012-2017.

Broglio SP (PI), The impact of concussive and sub-concussive blows on brain network activity, *The National Institutes of Health: National Institute of Neurological Disorders and Stroke (3R15NS081691-01S1)*, \$74,310; 2014-2017.

Broglio SP (co-PI), Pradhan AK, Bingham R, Long-term effects of concussion on driving behaviors: A driving simulator evaluation, *University of Michigan Injury Center*, \$15,000 2015-2017.

Swartz EE (co-PI), **Broglio SP (co-PI)** Prevention of head impacts in American football, *National Athletic Trainers' Association - Research and Education Foundation*, \$47,686; 2014-2016.

Broglio SP (co-PI) Pradhan AK, Bingham R, Persistent effects of concussion on driving, *University of Michigan Office of Research*, \$9,300 2015-2016.

Broglia SP (co-PI), Eckner JT, Giza CC, Guskiewicz KM, Kutcher JS, McCrea M, National sport concussion outcomes study - Phase 1: The role of equipment and head impact exposure on neurological outcomes, *National Collegiate Athletic Association*, \$399,850; 2012-2016.

Broglia SP (co-PI), Meehan SK, The effect transcranial magnetic stimulation (TMS) on neural plasticity in young adults with a concussion history, *University of Michigan Injury Center*, \$24,958; 2013-2015.

Broglia SP (PI), Hillman CH, Sosnoff JJ, Concussion across the lifespan: Persistent effects on brain, neurocognitive functioning, and motor control, *National Athletic Trainers' Association - Research and Education Foundation*, \$128,912; 2011-2014.

Broglia SP (PI), Spring/Summer Research Grants Program Application, *Rackham Graduate School, University of Michigan*, \$5045; 2014.

Broglia SP (PI), Spring/Summer Research Grants Program Application, *Rackham Graduate School, University of Michigan* (awarded 2013 - funding returned).

Kutcher JS (PI), Eckner JT, **Broglia SP (Co-I)**, Stability and Effect of Concussion on Brain Network Activation Scores, contract with *ElMindA, Ltd*, \$677,521; 2011-2013.

Eckner JT (PI), Kutcher JS, **Broglia SP (Co-I)**, Ashton-Miller JA, A Novel Assessment of Head Impact Biomechanics in Female Athletes, *Women's Sports, Health and Activity Research and Policy (SHARP) Center*, \$15,000; 2011-2012.

Broglia SP (PI), Imaging the concussed mind: A look at the long term effects of concussion, *Beckman Institute for Advanced Science and Technology*, \$8,000; 2011.

Broglia SP (PI), Graduate Assistant support for the Activities and Recreation Center (ARC) Wellness Center, contract with *Carle Foundation Hospital - Division of Sports Medicine*, \$62,683; 2010-2012.

Broglia SP (PI), Head Impact Telemetry Alert Beta Testing, contract with *Simbex LLC*, \$49,998; 2010.

Broglia SP (PI), McAuley E, Kramer A, Cohen NJ, Sutton B, He X, Concussion across the lifespan: A multi-disciplinary assessment of cognitive health, *University of Illinois Health and Wellness Initiative*, \$49,820; 2010-2011.

Broglia SP (PI), Hillman CH, McAuley E, Mild traumatic brain injury and cognitive health across the lifespan, *University of Illinois at Urbana-Champaign Research Board*, \$12,650; 2009-2012.

Broglia SP (PI), Vagnozzi R with Tavazzi B, Lazzarino G, Mild Traumatic Brain Injury: Revealing the 'Silent Epidemic,' *William and Flora Hewlett International Research Grants*, \$3000; 2009.

Ferrara MS (PI), Cooper ER, Powell JW, Casa DJ, **Broglia SP (Co-I)**, Monitoring exertional heat illnesses in interscholastic Georgia football, *National Athletic Trainers' Association - Research and Education Foundation*, \$109,006; 2009 - 2011 .

Woods JA (PI), **Broglia SP (Co-I)**, Kelley KW, Dantzer R, Effects of mild traumatic brain injury (mTBI) on neuroinflammation, cognition, and depression, *The Mary Jane Neer Research Fund for Research in Disability*, \$14,902; 2007 - 2008.

Broglia SP (PI), Ebersole KT, Rosengren KS, Reliability of postural control assessments, *Great Lakes Athletic Trainers' Association*, \$1200; 2007.

Ferrara MS (PI), Cooper ER, **Broglia SP (Co-I)**, Powell JW, Casa DJ, Monitoring environmental conditions and injury rates of fall sports, *National Collegiate Athletic Association Committee on Competitive Safeguards and Medical Aspects of Sports*, \$23,144; 2007.

Broglia SP (PI), Hillman CH, Association between recurrent concussion and chronic changes in cognitive and neuroelectric indices, *University of Illinois at Urbana-Champaign Research Board*, \$9,175; 2007 - 2008.

Hillman CH (PI), **Broglia SP (Co-I)**, Clinical and Neuroelectric Indices of Multiple Concussions, *The Mary Jane Neer Research Fund for Research in Disability*, \$15,000; 2007 - 2008.

Broglia SP (PI), Ostoja-Starzewski M, Sutton B, Finite Element Modeling of Brain Deformation from Rapid MRI, *The Mary Jane Neer Research Fund for Research in Disability*, \$14,400; 2006 - 2007.

Ferrara MS (PI), Cooper ER, **Broglia SP (Co-I)**, Monitoring environmental conditions and injury rates of selected fall sports at NCAA Division III institutions, *National Collegiate Athletic Association Committee (NCAA) on Competitive Safeguards and Medical Aspects of Sports*, \$28,996; 2006.

Ferrara MS (PI), Cooper ER, **Broglia SP (Co-I)**, Monitoring environmental conditions and injury rates of selected fall sports at NCAA Division III institutions, *National Collegiate Athletic Association (NCAA) Committee on Competitive Safeguards and Medical Aspects of Sports*, \$30,947; 2005.

Broglia SP (PI), The reliability and specificity of computer-based concussion assessment protocols, *Louise E. Kindig Research Award, Department of Kinesiology, University of Georgia*, \$1,000; 2005 - 2006.

Broglia SP (PI), *Dissertation Completion Assistantship*, University of Georgia Graduate School, \$16,767; 2005 - 2006.

Ferrara MS (PI), Cooper ER, **Broglia SP (Co-I)**, Monitoring environmental conditions and injury rates of selected fall sports at NCAA Division III institutions, *National Collegiate Athletic Association (NCAA) Committee on Competitive Safeguards and Medical Aspects of Sports*, \$49,500; 2004.

Piland SG (PI), **Broglia SP (Co-I)**, Ferrara MS, Investigation of Non-concussed group responses on a measure of self-reported concussion-related symptoms, *Southeast Athletic Trainers' Association Research Grant*, \$750; 2002.

Ferrara MS (PI), Cooper ER, **Broglia SP (Co-I)**, Courson RW, Monitoring environmental conditions at southeastern universities, *National Athletic Trainers' Association - Research and Education Foundation*, \$7,140; 2003.

Broglia SP (PI), Ju YY, Broglia MD, Sell TC, The efficacy of soccer headgear, *National Athletic Trainers' Association - Research and Education Foundation, Osternig Masters Grant, \$1,000; 2001 - 2002.*

Broglia SP (PI), Guskiewicz, KM, Sell, TC, Lephart, SM, The acute effect of rotational heading on measures of postural stability, *Orthopaedic Research Laboratory Alumni Council: Mrs. Ho-Tung Cheong Research Grant, \$3,000; 2001 - 2002.*

SERVICE

Professional Service

Organizations

Concussion in Sport Group

Board of Directors

President, 2025 to present

President Elect (inaugural), 2024

Member at Large, 2023

Journals

Journal of Athletic Training

Associate Editor, 2015 to present

Guest Editor, Special Edition on *Concussion in Sport*, 2015 to 2017

Editorial Board, 2009 to 2015

Concussion

Editorial Board, 2014 to present

Athletic Training & Sports Health Care

Editorial Board, 2008 to 2021

British Journal of Sports Medicine

Editorial Board, 2008 to 2020

Journal ad-hoc Reviewer

American Journal of Sports Medicine • *Annals of Biomedical Engineering* • *Applied Neuropsychology: Child* • *Archives of Clinical Neuropsychology* • *Archives of Physical Medicine and Rehabilitation* • *Biology of Sport* • *BMC Sports Science, Medicine, & Rehabilitation* • *Brain* • *Brain Injury* • *British Journal of Sports Medicine* • *British Medical Journal* • *Clinical Journal of Sports Medicine* • *Child Neuropsychology* • *Clinical Neurology and Neurosurgery* • *Concussion* • *Developmental Neuropsychology* • *Experimental Brain Research* • *International Journal of Exercise Science* • *JAMA Pediatrics* • *International Journal of Sports Medicine* • *Journal of ASTM International* • *Journal of Adolescent Health* • *Journal of Athletic Training* • *Journal of Biomechanical Engineering* • *Journal of Biomechanics* • *Journal of Clinical and Experimental Neuropsychology* • *Journal of Exercise Science* • *Journal of Motor Behavior* • *Journal of Neurological Sciences* • *Journal of Neurotrauma* • *Journal of Science and Medicine in Sport* • *Journal of Sport and Health Science* • *Journal of Sport Science and Medicine* • *Journal of Sport Rehabilitation* • *Medical Principles and Practice* • *Medicine and Science in Sport and Exercise* • *Neurocase* • *Neuropsychology* • *Neuropsychology Review* • *Neuroscience Letters* • *Neurosurgery* • *New England Journal of Medicine* • *Plos One* • *Research in Sports Medicine* • *Sports Health: A Multidisciplinary Approach* • *The Physician and Sports Medicine*

Funding Agencies

National Athletic Trainers' Association Foundation

Research Grants Committee

Vice Chair for General Grants, 2014 to 2020

Committee member, 2011 to 2014

Ad hoc reviewer, 2008 to 2011

National Institutes of Health:

Small Business: Clinical Neurophysiology, Devices, Neuroprosthetics, and Biosensors (10 ZRG1 ETTN-C (10) B) Review Panel, 2015, 2016
Challenge Grant (RFA-OD-09-003) Special Panel/Scientific Review Group (ZRG1BDCN-T(58)R), 2009

University of Michigan Pediatric Device Consortium, 2015

Neurological Foundation of New Zealand, 2015

University of North Carolina Research Opportunities Initiative, 2014

Canadian Foundation for Innovation, 2013

Medical College of Wisconsin, Injury Research Center, 2013

University of Nebraska, Experimental Program to Stimulate Competitive Research, 2013

Natural Sciences and Engineering Research Council of Canada, Research Partnership Program, 2012, 2013

U.S. Army Medical Research & Materiel Command-Military Operational Medicine Research Program (USAMRMC-MOMRP), Physiological Health/Traumatic Brain Injury Portfolio, 2011, 2019

Hewlett International Research Travel Grants, 2010

Conferences

North American Brain Injury Society

Scientific Committee, Houston, TX 2018

National Athletic Trainers' Association Foundation

Free Communications Committee, 2013 to 2018

Symposium Moderator 2001, 2006 to 2011

University of Michigan Sports Concussion Summit

Conference Director, Ann Arbor, MI, 2015, 2019

Think Tank Conference on Sport Concussion,

Co-organizer, Lincoln, NE, 2014

American Academy of Neurology - The Sports Concussion Conference

Scientific Committee, Chicago, IL, 2014

Medicine of Cycling Annual Meeting

Faculty and Organization Committee, Colorado Springs, CO, 2013, 2014, 2016, 2017

International Consensus Conference on Concussion in Sport

Consensus Panelist: 2008 (Zurich), 2016 (Berlin), 2022 (Amsterdam)

Scientific Committee: 2022 (Amsterdam)

International Meeting on mTBI in Sports

Faculty and Organization Committee 4th, St Moritz, Switzerland, 2008.

Committees

American Academy of Neurology

Concussion Quality Measurement Working Group, 2018 to 2019

Medicine of Cycling

Director of Research, 2015 to 2018

Concussion Task Force, Concussion in Cycling Consensus Statement, 2012

National Collegiate Athletic Association

Concussion Safety Advisory Group, 2019 to present

National Institutes of Health

International Traumatic Brain Injury (TBI) Common Data Elements Steering Committee, National Institute of Neurological Disorders and Stroke (NINDS), 2017 to present
Chair, Acute Sport Concussion Common Data Elements, National Institute of Neurological Disorders and Stroke (NINDS), 2016 to 2017
Co-chair, Pediatric Concussion Workshop, National Institute of Neurological Disorders and Stroke (NINDS), National Institute on Drug Abuse (NIDA), National Center for Medical Rehabilitation Research (NCMRR), and Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), 2016
Working Group, National Institute of Neurological Disorders and Stroke - Clinical Data Interchange Standards Consortium (NINDS-CDISC) Food and Drug Administration (FDA) Traumatic Brain Injury Standards, 2014 to 2015

USA Cycling

Safety Committee, 2016 to present

Consulting

Centers for Disease Control and Prevention,
HEADS UP to Athletic Trainers, 2021-2023
Game Plan Concussion Education, 2021 to 2022
University of Calgary SHRed Concussions Advisory Board, 2021 to present
New Jersey State Police, 2021
US Soccer, 2019 to 2020
US Cycling, 2016
Federal Trade Commission, 2012 to 2013
Department of Defense Concussion Definition Consortium, External Reviewer, 2012
Sportsconcussions.org, Advisory Board, Seattle, WA, 2009 to 2011
AthletiCo Sports Medicine and Rehabilitation Clinic, Chicago, IL, 2006 to 2011

University Service

University of Michigan

Associate Deans Planning Committee, 2023 to present
Neuroscience Graduate Program, Admissions Committee, 2022 to present
Biological Science Scholars Program, Search Committee, 2018 to present
University of Michigan Injury Prevention Center, Internal Advisory Committee, 2016 to present
MiWorkspace Advisory Committee, 2015 to 2020
University Senate Assembly, 2014 to 2017

School / College Service

University of Michigan

School of Kinesiology

Human Performance & Sport Science Center - Advisory Panel, 2023 to present
NeuroSuite Research Group, Faculty Representative, 2023 to present
Space Advisory Committee, 2020 to present
Academic Structure Review Committee, 2020

Executive Committee, 2018 to present
Graduate Committee, 2013 to 2016 (member) and 2020-present (chair)
Search Committees
Athletic Training, Assistant Professor (chair), 2023 to 2024
Bickner Endowed Faculty Search, 2023 to 2024
Michigan Concussion Center (chair, 3 faculty lines), 2019 to 2025
Athletic Training, Assistant Professor 2018 to 2019
Neuroscience Assistant Professor (co-chair), 2016 to 2017
Dean, 2015
Design Working Group - Classroom Space, 2014 to 2015
Health and Fitness Curriculum Committee, 2011 to 2013

University of Illinois at Urbana-Champaign

College of Applied Health Sciences

Elections and Credentials Committee, 2009 to 2011
Research Computing Task Force, 2009 to 2011

Departmental Service

University of Illinois at Urbana-Champaign

Department of Kinesiology and Community Health

Committee on Course Fees, 2009
Graduate Travel Grant Committee, 2009 to 2011
Elections and Credentials Committee, 2009 to 2011
Athletic Training Faculty Search Committee (co-chair), 2008
Global Campus Committee, 2008
Education Policy Committee, 2007 to 2010
Committee on Wellness, 2007 to 2008

PROFESSIONAL ORGANIZATIONS

Concussion in Sport Group, 2022 to present
American College of Sports Medicine, member #640343, 2007 to present
National Athletic Trainers' Association, member # 977340, 1997 to present
Great Lakes Athletic Trainers' Association, 2006 to present
Southeast Athletic Trainers' Association, 2002 to 2006
Eastern Athletic Trainers' Association, 2000 to 2002
Mid-Atlantic Athletic Trainers' Association, 1997 to 2000
National Provider Identifier, #1659736031, 2015 to present

CERTIFICATIONS

Board of Certification

Athletic Trainer, Certified # 060002015, 2000 to present

National Athletic Trainers' Association

Certified Clinical Instructor Educator, 2004 to 2011
Approved Clinical Instructor, 2003 to 2011

American Red Cross

CPR/AED for the Professional Rescuer

LICENSURE

Michigan, Department of Licensing and Regulatory Affairs, 2601001220, 2011 to present
Illinois, Department of Financial and Professional Regulation, 96.002310, 2006 to 2012

PATENTS

Brain Metabolism Monitoring Through CCO Measurements Using All-Fiber-Integrated Super-Continuum Source" (U.S. US 11, 529, 091 B2)
Organ Or Tissue Hemodynamic And Metabolic Function Measured Using Super-Continuum Light Sources (US 12,089,945 B2)

LEADERSHIP TRAINING

Association of Public and Land-Grant Universities
Council on Research Leader Fellowship: 2022-2023
University of Michigan Center for Health and Research Transformation
Health Policy Fellowship: 2022
Big Ten Academic Alliance
Academic Leadership Program Fellow: 2019-2020

HONORS AND AWARDS

- 2024 Most Distinguished Athletic Trainer Award, National Athletic Trainers Association
- 2024 Kenneth L. Knight Award for the Outstanding Research Manuscript, *Journal of Athletic Training for 2023*, for: Kay J, Coffman C, Tavakoli A, Torres-McGehee T, **Broglio S**, Moore R, Concussion exposure and suicidal ideation, planning, and attempts among U.S. high school students, *Journal of Athletic Training*, 58(9):751-758, 2023.
- 2024 Athanasiou Student Paper Award from the Biomedical Engineering Society for Lempke LB, Ermer E, Boltz AJ, Caccese JB, Buckley TA, Cameron KL, Chrisman SPD, D'Lauro C, Eckner JT, Esopenko C, Hunt TN, Jain D, Kelly LA, Memmini AK, Mozel AE, Putukian M, Susmarski A, Pasquina PF, McCrea MA, McAllister TW, **Broglio SP**, Master CL, CARE Consortium Investigators, Initial mild traumatic brain injury characteristics and recovery patterns among females across the United States military service academies: A descriptive report from the NCAA-DoD CARE Consortium, *Annals of Biomedical Engineering*, 2023.
- 2024 Policy Impact Award, University of Michigan Institute for Healthcare Policy and Innovation
- 2022 William Fields Caveness Award, Brain Injury Association of America
- 2022 Fellow of the National Academy of Kinesiology (#612)
- 2022 Medal for Distinguished Athletic Training Research, National Athletic Trainers Association Research and Education Foundation
- 2021 Best Paper in IISE Transactions Focus Issue on Operations Engineering and Analytics for: Garcia GGP, Lavieri MS, Jiang R, McCrea MA, McAllister TW, **Broglio SP**, Data-driven stochastic optimization approaches to determine decision thresholds for risk estimation models. *IISE Transactions*, 52(10): 1098-1121, 2020.
- 2021 Outstanding Research Team Award (McAllister T, **Broglio SP**, McCrea M, Pasquina P), Military Health System Research Symposium

- 2020 Kenneth L. Knight Award for the Outstanding Research Manuscript, *Journal of Athletic Training* for: McGuine T, Pfaller A, Hetzel S, **Broglia S**, Hammer E, A prospective study of the impact of concussions on health outcomes in high school football players, *Journal of Athletic Training*, 55(10):1013-1019, 2020.
- 2019 Distinguished Alumni, University of Georgia, Department of Kinesiology
- 2018 Kenneth L. Knight Award for the Outstanding Research Manuscript, *Journal of Athletic Training* for: McGuine T, Pfaller A, Post E, Hetzel S, Brooks A, **Broglia SP**, The impact of athletic trainers on the incidence and management of concussions in high school athletes, *Journal of Athletic Training*, 53(11):1017-1024, 2018.
- 2019 Majorie A. King Research to Reality Lecture, Eastern Athletic Trainers' Association 71st Conference
- 2017 Fellow of the National Athletic Trainers' Association
- 2016 Kenneth L. Knight Award for the Outstanding Research Manuscript, *Journal of Athletic Training*, 2016, for: **Broglia SP**, Williams RM, O'Connor KL, Goldstick J, Football head impact exposure after limiting full-contact practices, *Journal of Athletic Training*, 51(7):511-518, 2016.
- 2015 Early Career Award for Important Contributions to the Field of Brain Injury Science, International Brain Injury Association
- 2014 Outstanding Early Career in Injury Research Award, University of Michigan Injury Center
- 2014 Fellow of the American College of Sports Medicine
- 2010 Freddie H. Fu New Investigator Award, National Athletic Trainers' Association Research and Education Foundation
- 2009 Kenneth L. Knight Award for the Outstanding Research Manuscript, *Journal of Athletic Training* for: **Broglia SP**, Sosnoff JJ, Sunghoon S, He X, Alcaraz C, Zimmerman J, Helmet impacts during high school football: A biomechanical assessment, *Journal of Athletic Training*, 44(4):342–349, 2009.
- 2009 Association Media and Publishing Annual EXCEL Awards Bronze Medalist, **Broglia SP**, Sosnoff JJ, Sunghoon S, He X, Alcaraz C, Zimmerman J, Helmet impacts during high school football: A biomechanical assessment, *Journal of Athletic Training*, 44(4):342–349, 2009.
- 2009 Phillis J. Hill James Scholar Faculty Award for Exemplary Mentoring University of Illinois
- 2005 Outstanding Teaching Assistant Award, University of Georgia
- 2005 Graduate Student Scholarship, Southeast Athletic Trainers' Association
- 2003 Oral Presentation Competition Winner - Master's Student Research, "The efficacy of soccer headgear," National Athletic Trainers' Association Research and Education Foundation
- 2003 Doctoral Student Scholarship, NATA-Research and Education Foundation
- 2003 Graduate Student Scholarship, Georgia Athletic Trainers' Association
- 2001 Jerry Rhea Sports Medicine Scholarship, Atlanta Falcons
- 2000 Highest Honors graduate, Department of Exercise and Sport Science, University of North Carolina
- 2000 Highest Distinction graduate, College of Arts and Science, University of North Carolina
- 2000 Max Crowder Award, Atlantic Coast Conference
- 2000 William Tessendorf Scholarship, National Athletic Trainers' Association Research and Education Foundation

- 1999 Phi Beta Kappa
- 1999 National Society of Collegiate Scholars
- 1999 Donald Fauls Memorial Scholarship, National Athletic Trainers' Association Research and Education Foundation
- 1998 Golden Key National Honor Society, University of North Carolina at Chapel Hill

updated: February 4, 2025