



University of Wisconsin
SCHOOL OF MEDICINE
AND PUBLIC HEALTH

Alison Brooks, M.D., M.P.H.

Personal Data

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Education

Undergraduate

University of North Carolina—Chapel Hill
August 1995, Environmental Science
Bachelor of Science in Public Health

Graduate/Medical School

University of Tennessee-Memphis
June 2000, Medicine
Doctor of Medicine

University of Washington
May 2006, Health Services Research
Masters of Public Health

Residency

University of Washington
June 2003, Pediatrics

Postgraduate/Fellowship

University of Washington, Robert Wood Johnson Foundation
June 2006, Injury Prevention Research
Clinical Scholars Program

University of Wisconsin-Madison
June 2008, Sports Medicine
Fellowship

Licensure

2006-present Wisconsin Medical License # 49413
2000-2006 Washington Medical License # 42466

Certification

2013 American Board of Pediatrics
2013 Pediatric Advanced Life Support
2012 American Red Cross CPR/AED for Health Care Providers
2008 Sports Medicine
2006 Neonatal Resuscitation Program
2000 National Board of Medical Examiners

Present Appointment/Position

2016-present *Associate Professor*
University of Wisconsin-Madison, Madison, WI
Division of Sports Medicine
Department of Orthopedics and Rehabilitation

2008-2016 *Assistant Professor*
University of Wisconsin-Madison, Madison, WI
Division of Sports Medicine
Department of Orthopedics and Rehabilitation

2008-present *Affiliate Assistant Professor*
University of Wisconsin-Madison, Madison, WI
Department of Pediatrics

2008-present *Team Physician*
University of Wisconsin-Madison, Madison, WI.
Division of Intercollegiate Athletics

Past Appointments/Positions

2002-2003 *Assistant Chief Resident*
University of Washington, Seattle, WA
Pediatrics Residency

2008-2013 *BIRCWH Research Scholar*
University of Wisconsin-Madison, Madison, WI
Center for Women's Health and Health Disparities Research

2006-2009 *Clinical Assistant Professor*, University of Wisconsin Hospital and Clinics,
Madison, WI

2006-2008 *Clinical Instructor*, University of Wisconsin Hospital and Clinics,



Division of Immediate Care
Madison, WI

2003-2005 *Clinical Instructor*, Children's Hospital and Regional Medical Center,
Department of Pediatrics
Seattle, WA

2003-2004 *Locum Tenens Physician*, Virginia Mason Sand Point Pediatrics,
Department of Emergency Medicine
Seattle, WA

Professional Society Memberships

Fellow, American Academy of Pediatrics (2000-present)

Council on Sports Medicine and Fitness (2006-present)

Elected Member, Executive Committee, Council on Sports Medicine and Fitness (2012-present)

CME Coordinator - Program Chair, Council on Sports Medicine and Fitness (2014-present)

American Medical Society for Sports Medicine (2005-present)

Member, Research Committee (2008-present)

Member, Pediatric Sports Medicine Special Interest Group (2008-present)

Member, Annual Meeting Planning Committee (2011-2012)

Elected Member, Board of Directors (2015-present)

Co-Chair, Research Committee (2015-present)

Leadership Committee, Collaborative Research Network (2015-present)

American College of Sports Medicine (2006-present)

Dane County Sports Medicine Council (2008-present)

Vice President (2011-present)

Honors and Awards

2018 *Sports Health* T. David Sisk Award for Best Original Research Paper: Post EG, Bell DR, Trigsted SM, Pfaller AY, Hetzel SJ, **Brooks MA**, McGuine TA. Association of Competition Volume, Club Sports, and Sport Specialization with Sex and Lower Extremity Injury History in High School Athletes. *Sports Health* 2017 Nov/Dec; 9(6):518-523.

2017 *2017 AOSSM STOP Sports Injuries Award*. McGuine TA, Bell DR, **Brooks MA**, Hetzel SJ, Pfaller AY, Post EG. The Effect of Sport Specialization on Lower Extremity Injury Rates in High School Athletes. *American Orthopedic Society for Sports Medicine Annual Meeting*, Toronto, Canada, July 2017

2016 Best NCAA Research Award, American Medical Society for Sports Medicine Annual Meeting: Hammer E, **Brooks MA**, Kelsey A, Sanfilippo J, Carr K. Association between Female Athlete Triad Cumulative Risk Assessment and In-season Stress Fracture in Collegiate Cross-country Athletes



- 2015 Vilas Faculty Early Career Investigator Award, University of Wisconsin-Madison, Office of the Provost and Vice Chancellor for Academic Affairs
- 2015 Best Research Presentation Award, American Academy of Pediatrics National Conference, Council on Sports Medicine & Fitness H Program: McGuine TA, Hetzel S, **Brooks MA**. Effect of New Rule Limiting Full Contact Practice on Incidence of Sport Related Concussion in High School Football Players.
- 2015 AMSSM Exchange Lecturer for National Athletic Trainers Association Annual Meeting
- 2015 International Traveling Fellowship Program, American Medical Society for Sports Medicine – South African Sports Medicine Association, South Africa
- 2015 Best Overall Research Award, American Medical Society for Sports Medicine Annual Meeting; **Brooks, MA**, McGuine, TA, Kebisek, J, Wiederhold, A, Mixis, B. Establishing the Psychometric Properties of the Child Sport Concussion Assessment Tool (Child SCAT3)
- 2014 AAP Exchange Lecturer for American College of Sports Medicine Annual Meeting
- 2013 Best Research Poster, Wisconsin Physical Therapy Association Spring Conference. Wille CM, **Brooks A**, Beaulieu J, Severson H, Heiderscheit B. Web-based therapeutic exercise resource center as a treatment for knee osteoarthritis.
- 2011 Best Overall Research Award, American Medical Society for Sports Medicine Annual Meeting; McGuine TA, Hetzel SJ, **Brooks MA**. The Effect of Ankle Braces on Ankle Injury Rates in High School Basketball Players
- 2011 Invited as Exchange Lecturer for NATA Distinguished Scholars Presentation
- 2011 Best Research Poster Award, Wisconsin Physical Therapy Association Spring Conference. Collins J, Sanfilippo J, Burish N, Krueger D, Binkley N, Donnenworth J, **Brooks A**, Heiderscheit B. Influence of sport and prior injury on performance of the Star Excursion Balance Test and vertical jump
- 2006 Best Research Poster Award, American Medical Society for Sports Medicine Annual Meeting. **Brooks MA**, Schiff MA, Koepsell TD, Rivara FP. Prevalence of Preseason Conditioning Among High School Athletes.
- 2006 Resident Scholarship Award, American Medical Society for Sports Medicine
- 1999 Alpha Omega Alpha, University of Tennessee-Memphis
- 1991-1995 John Motley Morehead Scholarship, University of North Carolina-Chapel Hill
- 1991-1995 Division I National Champion, Women's Soccer, University of North Carolina-Chapel Hill
- 1991 Valedictorian, Harpeth Hall School



Grant Support

Current

Title: The Impact of Sport Specialization on Injury and Illness in Youth Athletes

Source: AMSSM Foundation

Amount: \$20,761

Year(s): 2/15/2017-2/15/2019

PI: Watson

Role: Co-Investigator

Effort: 1%

The goal of this study is to determine if sport specialization is an independent risk factor for injury and illness among middle school children while controlling for the effects of previous injury history, volume of sport participation, age, gender, and sleep.

Title: Driving after Concussion: Association between Concussion Symptoms Severity, Neurocognitive Tests, and a Computer-based Risk Awareness Program

Source: AMSSM Foundation

Amount: \$4111

Year(s): 1/5/2017-12/31/2018

PI: Hammer

Role: Co-Investigator

Effort: 1%

The goal of this study is to assess the correlation between the subacute effect of concussion on drivers' hazard perception

Title: Making It Stick: A Social Marketing Experiment to Alter Concussion Attitudes and Behavior

Source: NCAA-DOD Mind Matters Challenge

Amount: \$399,989

Year(s): 3/1/2016 - 2/28/2019

PI: Warmath

Role: Consultant

Effort: 1%

The objective of this study is to determine the optimal approach to changing attitudes, beliefs and, ultimately, behavior related to concussion reporting among club sports athletes, a largely untapped audience - using the power of social marketing and design thinking relative to the existing NCAA Concussion Fact Sheet for Student-Athletes content.

Title: The NCAA-DOD Grant Alliance: Concussion Assessment, Research, and Education (CARE) Consortium – Advanced Research Core

Source: Medical College of WI/DOD

Amount: \$573,805

Year(s): 7/1/2015-5/31/2018

PI: Brooks (subaward)

Effort: 10%

This study is a prospective, longitudinal, multi-site, multi-sport investigation that delineates the natural history of concussion in males and females. The ARC will conduct advanced research projects that include, but are not limited to, impact sensor technologies, advanced neuroimaging, and biological markers to inform the neurobiopsychosocial understanding of sport-related concussion.



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Title: Concussion Assessment, Research and Education (CARE) Consortium – Clinical Study Core

Source: NCAA-DOD Grand Alliance

Amount: \$382,241

Year(s): 8/1/2014-4/30/2018

PI: Broglio

Role: PI (subaward)

Effort: 10%

This study is a prospective, longitudinal, multi-site, multi-sport investigation that delineates the natural history of concussion in males and females by incorporating a multi-dimensional assessment of standardized clinical measures of post-concussive symptomatology, performance-based testing (e.g., cognitive function, postural stability), and psychological health

Pending

Major Past Awards

Title: The Impact of Athletic Trainers on the Incidence, Management, and Outcomes for Sports Related Concussion Injuries in High School Athletes

Source: National Athletic Trainers Association Foundation

Amount: \$268,813

Year(s): 8/1/2015 – 6/30/2018

PI: McGuine

Role: Co-PI

Effort: 5%

The goal of this study is to determine how the presence or absence of an athletic trainer affects the reporting, management and outcomes of sport-related concussions in high school settings.

Title: Academic Effects of Concussion in the High School Athlete

Source: ICTR CAP Clinical & Community Outcomes Research Pilot

Amount: \$74,805

Year(s): 6/1/2017-6/30/2018

PI: Brooks

Effort: 5%

The overall objective of this proposal is to conduct a longitudinal mixed method study that will inform clinicians, school systems, and policy makers of the prevalence and extent of concussion-related adverse effects on high school athletes

Title: Effectiveness of Soccer Headgear to Reduce the Incidence of Sport Related Concussion in Adolescents

Source: National Operating Committee on Standards for Athletic Equipment

Amount: \$250,000

Year(s): 5/1/2016 – 4/30/2018

PI: McGuine

Role: Co-Investigator

Effort: 5%



The primary aim of this study is to determine if protective soccer headgear reduces the incidence of sport-related concussion in high school soccer players.

Title: Knowledge of Sport Volume Recommendations and Attitudes and Beliefs towards Sport Specialization
Source: AMSSM-ACSM Clinical Research Grant
Amount: \$20,000
Year(s): 5/1/2016-11/01/2017
PI: Brooks
Role: Co-PI
Effort: 2%

The aim of this proposal is to survey parents and athletes at summer sport tournaments and determine their knowledge of sport specialization recommendations as well as their beliefs about whether sport specialization is important for the acquisition of sport skills.

Title: Physical Therapy vs. Internet-Based Exercise Training for Patients with Knee Osteoarthritis
Source: PCORI
Amount: \$1,423,018
Year(s): 6/1/2014-5/31/2017
PI: Allen
Role: Consultant
Effort: 1%

The goal of this study is to compare the effectiveness of standard physical therapy management and a novel, tailored internet-based exercise training program on physical activity levels and associated patient-centered outcomes among patients with knee OA.

Title: The Impact of Sport Specialization on Injury Rates in High School Athletes
Source: National Federation of High School Sports
Amount: \$49,530
Year(s): 7/1/2015 – 6/30/2016
PI: McGuine
Role: Co-PI
Effort: 1%

The goal of this project is to investigate if sport specialization is a risk factor for lower extremity injury in a prospective cohort of adolescent high school athletes

Title: Analysis of Sport Specialization in High School Setting and its Effect on Lower Extremity Biomechanics
Source: AMSSM Foundation
Amount: \$21,136
Year(s): 2/1/2015-2/1/2016
PI: Brooks
Effort: 2%

The goal of this project is to determine if biomechanical factors for injury (balance asymmetry and landing forces) are related to sport specialization

Title: The Wisconsin Sports Concussion Education Project
Source: UW ICTR Dissemination Grant
Amount: \$4940
Year(s): 4/1/2014-5/31/2015
PI: McGuine
Role: Co-PI



Effort: 2%

The goal of this project is to produce and distribute curricula using evidence-based sports concussion assessment tools to primary care providers and assess post-learning change.

Title: Establishing the Psychometric Properties of the Child Sport Concussion Assessment Tool (Child SCAT3)

Source: AMSSM Foundation

Amount: \$23,016

Year(s): 3/10/2014-9/10/2015

PI: Brooks

Effort: 2.5%

The goal of this study is to assess the baseline normative data and reliability of this newly developed Child SCAT3 concussion assessment tool on pre-adolescent athletes.

Title: The DANA Rapid Innovation Study

Source: AnthroTronix, Inc

Amount: \$135,859

Year(s): 2/5/2014-6/30/2015

PI: Brooks

Role: PI (Subcontract)

Effort: 20%

This study involves a prospective, head-to-head comparison of computerized neurocognitive assessment tools (including DANA) used for the assessment of acute mTBI and tracking postinjury cognitive recovery after mTBI.

Title: Acute Effects & Recovery After Concussion in Athletes: A Quantitative Brain Electrical Activity Study Using Brainscope

Source: DJO Global, Brainscope, Inc

Amount: \$168,089

Year(s): 10/1/2013-03/31/15

PI: Brooks

Effort: 25%

The goal of this award is to utilize innovative EEG techniques and standardized testing to better understand, both clinically and neurophysiologically, the acute effects and recovery from sports-related concussion.

Title: Assessing the effect of helmet brand and mouth guard type on the incidence of sport related concussion in high school football players – a prospective observational study

Source: UW Sports Medicine Classic Grant

Amount: \$13,900

Year(s): 10/1/2012-12/31/13

PI: McGuine

Role: Co-PI

Effort: 10%

The goal of this award is to determine if the incidence of sport-related concussion differs in high school football players based on three helmet brands and mouth guard types.

Title: Lower Extremity Sports-Related Injury Prevention in Rural Junior High & High School Female Athletes

Source: Wisconsin Partnership Program, Community-Academic Partnership Fund Development Grant

Amount: \$63,500

Year(s): 5/1/2012-9/30/2013

PI: Thein-Nissenbaum



Role: Co-PI

Effort: 10%

The goal of this pilot initiative is to determine if implementation of an at-home, DVD-based sports-related lower extremity injury prevention program for rural female high school athletes is feasible.

Title: Acute Effects & Recovery After Concussion in Athletes: A Quantitative Brain Electrical Activity Study Using Brainscope

Source: AMSSM Foundation

Amount: \$10,183

Year(s): 3/1/2012-5/30/2013

PI: Brooks

Effort: 3%

The goal of this award is to utilize innovative EEG techniques and standardized testing to better understand, both clinically and neurophysiologically, the acute effects and recovery from sports-related concussion.

Title: Increasing Physician Use of Exercise for Treating Osteoarthritis of the Knee

Source: NIH/NICHHD 1R43HD065358

Amount: \$139,947

Year(s): 8/1/2010-7/31/2012

PI: Beaulieu

Role: Consultant

Effort: 1%

The major goal of this project is to develop a Therapeutic Exercise Resource Center (TERC) web site that will serve as a resource for physicians working with patients who have been diagnosed with osteoarthritis (OA) of the knee and increase physician use of exercise in treating OA of the knee patients.

Title: The Effect of Ankle Braces on Ankle Injury Rates in High School Football Players

Source: UW Department of Orthopedics Research Grant

Amount: \$84,397

Year(s): 1/1/2010-6/30/2011

PI: McGuine

Role: Co-PI

Effort: 10%

The goal of this study is to investigate whether use of lace-up ankle braces prevents or reduces severity of ankle injuries in high school football players.

Title: Assessment of Bone Mineral Density in Female Masters Cyclists

Source: UW Sports Medicine Classic Grant

Amount: \$8456

Year(s): 7/1/2009-6/30/2011

PI: Brooks

Effort: 10%

The goal of this study was to investigate whether female master cyclists who exclusively cycle for exercise have worse bone health than women who do regular weight-bearing exercise.

Title: The Effect of Ankle Braces on Ankle Injury Rates in High School Basketball Players

Source: UW Department of Orthopedics Research Grant

Amount: \$46,460



Year(s): 7/1/2009-7/1/2010

PI: McGuine

Role: Co-PI

Effort: 5%

The goal of this study was to investigate whether use of lace-up ankle braces prevents or reduces severity of ankle injuries in high school basketball players.

Title: Assessment of Bone Mineral Density in Female Master Cyclists

Source: NIH Building Interdisciplinary Research Careers in Women's Health K12HD055894

Amount: \$96,200/year (\$65,000 salary support)

Year(s): 7/1/2008-6/30/2013

PI: Sarto

Role: BIRCWH Scholar

Effort: 75%

The goal of this career development award is to assist Dr. Brooks with her desire to become an innovative leader and independent physician-scientist in the field of gender differences in musculoskeletal sports-related injuries.

Title: A Prospective Study of High School Cross Country Injuries: Identifying Biomechanical Risk Factors

Source: UW Sports Medicine Classic Grant

Amount: \$3658

Year(s): 5/1/2008-5/1/2009

PI: Kempf

Role: Co-Investigator

Effort: 10%

The goal of this study was to evaluate preseason running mileage and biomechanical factors as predictors of running-related injury in high school runners

Title: Pilot Study to Test Musculoskeletal Outcome Instruments in Young Athletes With Low Back Pain

Source: UW Sports Medicine Classic Grant

Amount: \$2,386

Year(s): 4/1/2007-12/30/2008

PI: Brooks

Effort: 15%

This project evaluated gender differences in pain, disability, and quality of life measures in adolescent athletes with low back pain.

Publications (* denotes award)

Refereed Articles

1. **Brooks MA**, Schiff MA, Koepsell TD, Rivara FP. Prevalence of Preseason Conditioning Among High School Athletes in Two Spring Sports. *Medicine & Science in Sports & Exercise* 2007; 39(2): 241-247. PMID: 17277587
2. Mueller BA, Cummings P, Rivara FP, **Brooks MA**, Terasaki RD. Injuries of the Head, Face, and Neck in Relation to Ski Helmet Use. *Epidemiology* 2008;19(2): 270-276. PMID: 18277163
3. **Brooks MA**, Schiff MA, Rivara FP. Identifying Previous Sports Injury Among High School Athletes. *Clinical Pediatrics* 2009; 48(5): 548-550. PMID: 19171912, PMCID: PMC3213050



4. **Brooks MA**, Peterson AR. Pilot Study of Adolescent Attitudes Regarding Ski or Snowboard Helmet Use. *Wisconsin Medical Journal* 2010; 109(1):28-30. PMID: 20942297; PMCID: PMC2957671.
5. **Brooks MA**, Evans MD, Rivara FP. Evaluation of Skiing and Snowboarding Injuries Sustained in Terrain Parks Versus Traditional Slopes. *Injury Prevention* 2010; 16(2): 119-122. PMID: 20363819, PMCID: PMC3069711
6. **Brooks MA**, Tarini BA. Genetic Testing and Youth Sports. *JAMA* March 9, 2011; 305(10):1033-1034. PMID: 21386082
7. Nagle K, **Brooks MA**. A Systematic Review of Bone Health in Cyclists. *Sports Health* 2011; 3(3): 233-241. PMCID: PMC3230645
8. **Brooks MA**, McGuine TA. Translating Cost-effective Injury Prevention Research Into Sustainable Change on the Playing Field. *Archives of Adolescent and Pediatric Medicine* 2011; 165(11):1049-1050. PMID: 22065188.
9. McGuine TA, **Brooks MA**, Hetzel SJ. The Effect of Lace-up Ankle Braces on Injury Rates in High School Basketball Players. *American Journal of Sports Medicine* 2011; 39(9): 1840-48. PMID: 21795671, PMCID: PMC3213051
10. McGuine TA, Wilson JJ, Hetzel SJ, **Brooks MA**. The Effect of Lace-up Ankle Braces on Injury Rates in High School Football Players. *American Journal of Sports Medicine* 2012; 40(1):49-57. PMID: 21926383, PMCID: PMC3729027.
11. Tarini BA, **Brooks MA**, Bundy DG. A Policy Impact Analysis of the Mandatory NCAA Sickle Cell Trait Screening Program. *Health Services Research* 2012 Feb; 47:446-461. PMID: 22150647, PMCID: PMC3288389.
12. **Brooks MA**, Hammer E. Acute Upper Extremity Injuries in Young Athletes. *Clinical Pediatric Emergency Medicine* 2013; 14(4): 289-303
13. McGuine TA, Hetzel SJ, Pennuto A, **Brooks MA**. Basketball Coaches' Utilization of Ankle Injury Prevention Strategies. *Sports Health* 2013 Sept/Oct; 5(5): 410-416. PMID: 24427411, PMCID: PMC3752192
14. Tolly B, Chumanov E, **Brooks MA**. Ground reaction forces and osteogenic index of sport of cyclocross. *Journal of Sports Sciences* 2014; 26 Mar, DOI: 10.1080/02640414.2014.889839 PMID: 24669907 PMCID: PMC4477807
15. Bell D, Sanfilippo J, Helwig D, **Brooks MA**, Heiderscheid B. Performance Science and the Health Care Professional: The Benefits of Scientific Collaboration. *Athletic Training and Sports Health Care* March/April 2014; 6(2): 55-58.
16. Bell R, **Brooks MA**. The Dietician's Role in the Recognition and Treatment of the Female Athlete Triad. *Medical Nutrition Matters* Spring 2014; 33(4):2-5.
17. **Brooks MA**, Beaulieu JE, Severson HH, Wille CM, Gau J, Heiderscheid BC. Web-Based Therapeutic Exercise Resource Center as a Treatment for Knee Osteoarthritis: A Prospective Cohort Pilot Study. *BMC Musculoskeletal Disorders* 2014; 15:158, DOI: 10.1186/1471-2474-15-158 PMID:24884547 PMCID: PMC4030010
18. **Brooks MA**. Loud K. Reducing Injury Risk From Body Checking in Boys' Youth Ice Hockey.

American Academy of Pediatrics, Council on Sports Medicine & Fitness, *Pediatrics* 2014; 133(6): 1151-1157 PMID: 24864185

19. McGuine TA, Hetzel SJ, McCrea M, **Brooks MA**. Protective equipment and player characteristics associated with the incidence of sport related concussion in high school football players: A multi-factorial prospective study. *American Journal of Sports Medicine* 2014; 42(10):2470-247. PMID: 25060072, PMCID: PMC4477806
20. Ghannad LA, Watson AM, **Brooks A**, LaBella CR. Musculoskeletal injuries not to miss in teens. *Adolescent Medicine: State of the Art Reviews, Sports Medicine and Sports Injuries*, American Academy of Pediatrics, April 2015; 26(1): 53-78. PMID: 26514032
21. **Brooks MA**, Parks RB, Sanfilippo JL, Binkley N, Stiffler MR. Assessment of Dietary Vitamin D Status and Compliance with Recommended Vitamin D Supplementation in Division I Collegiate Athletes. *Athletic Training & Sports Health Care*, September/October 2015; 7(5): 204-213.
22. Stiffler MR, Sanfilippo JL, **Brooks MA**, Heiderscheit BC. Star Excursion Balance Test Performance Varies by Sport in Healthy Division I Collegiate Athletes. *Journal of Orthopedics & Sports Physical Therapy* October 2015; 45(10): 772-780 PMID: 26304643
23. **Brooks MA**, Peterson K, Biese K, Sanfilippo J, Heiderscheit BC, Bell DR. Concussion Increases Risk of Lower Extremity Musculoskeletal Injury after Return-to-Play among Collegiate Athletes. *American Journal of Sports Medicine* 2016; 2016; 44(3): 742-747. PMID: 26786903
24. Thein-Nissenbaum JM, **Brooks MA**. Barriers to Compliance in a Home-Based Anterior Cruciate Ligament Injury Prevention Program in Female High School Athletes. *Wisconsin Medical Journal* February 2016; 115(1):17-22 PMID: 27057578
25. Bell, DR, Post, EG, Trigsted, SM, Hetzel, S, McGuine, TA, **Brooks, MA**. Prevalence of Sport Specialization in High School Athletics: A Single Year Observational Study. *American Journal of Sports Medicine* 2016; 44(6):1469-74 PMID: 26920433
26. Parks RB, Helwig D, Dettmann J, Taggart T, Woodruff B, Horsfall K, **Brooks MA**. Developing a Performance Nutrition Curriculum for Collegiate Athletics. *Journal of Nutrition Education and Behavior* 2016; 48(6): 419-424 PMID: 27062229
27. Snedden TR, **Brooks MA**, Hetzel S, McGuine T. Normative Values of the Sports Concussion Assessment Tool 3 (SCAT3) in High School Athletes. *Clinical Journal of Sports Medicine* 2017 Sep; 27(5): 462-467. PMID: 27606952
28. Post EG, Thein-Nissenbaum JM, Sanfilippo JL, Stiffler MR, Trigsted SM, Heiderscheit BC, McGuine TA, **Brooks MA**, Bell DR. High School Sport Specialization Patterns of Current Division I Athletes. *Sports Health* 2017 Mar/Apr; 9(2): 148-153 PMID:27807260
29. Post EG, Trigsted SM, Riekema JW, Hetzel S, McGuine TA, **Brooks MA**, Bell DR. The Association of Sport Specialization and Training Volume with Injury History in Youth Athletes. *American Journal of Sports Medicine* 2017 May; 45 (6):1405-1412. PMID: 28288281
30. Watson A, Brickson S, **Brooks A**, Dunn W. Subjective Well-Being and Training Load Predict In-Season Injury and Illness Risk in Female Youth Soccer Players. *British Journal of Sports Medicine* 2017; 51:194-199. PMID:27919919
31. Watson A, Brickson S, **Brooks MA**, Dunn W. Pre-Season Fitness Level Predicts In-Season Injury and Illness in Female Youth Athletes. *Orthopaedic Journal of Sports Medicine* 2017 Sep



5;5(9):2325967117726976. doi: 10.1177/2325967117726976. eCollection 2017 Sep. PMID: 28904982

32. **Brooks MA**, Pritchep LS, Bazarian J, Talavage T, Barr W. The Use of an Electrophysiological Brain Function Index in the Evaluation of Concussed Athletes. In press, *Journal of Head Trauma and Rehabilitation*, 2017 May 17. doi: 10.1097/HTR.0000000000000328. [Epub ahead of print].
33. **Brooks MA**, Snedden TR, Mixis B, Hetzel S, McGuine TA. Establishing Baseline Normative Values for the Child Sport Concussion Assessment Tool (Child SCAT3). *JAMA Pediatrics* 2017 Jul 1: 171(7): 670-677. PMID 28492862
34. Parks RB, Hetzel SJ, **Brooks MA**. Iron Deficiency Anemia Among Collegiate Athletes: A Retrospective Chart Review. *Medicine & Science in Sports & Exercise* 2017 Aug; 49(8): 1711-1715. PMID: 28277407
35. Miller MM, Trapp JL, Post EG, Trigsted SM, McGuine TA, **Brooks MA**, Bell DR. The Effects of Specialization and Sex on Anterior Y-Balance Performance in High School Athletes. *Sports Health* 2017 Jul/Aug; 9(4): 375-382. PMID: 28447871
36. *Post EG, Bell DR, Trigsted SM, Pfaller AY, Hetzel SJ, **Brooks MA**, McGuine TA. Association of Competition Volume, Club Sports, and Sport Specialization with Sex and Lower Extremity Injury History in High School Athletes. *Sports Health* 2017 Nov/Dec; 9(6):518-523. PMID: 28628419
37. McGuine TA, Post EG, Trigsted SM, Pfaller AY, Hetzel SB, **Brooks MA**, Bell DR. A Prospective Study on the Impact of Sport Specialization on Lower Extremity Injury Rates in High School Athletes. *American Journal of Sports Medicine* 2017 Oct; 45(12): 2706-2712. PMID: 28735552
38. Shields MR, **Brooks MA**, Koltyn KF, Kim JS, Cook DB. Cognitive Resilience and Psychological Responses Across a Collegiate Rowing Season. *Medicine & Science in Sports & Exercise* 2017 Nov; 49(11): 2276-2285. PMID: 28682806
39. Parks RB, Sanfilippo JL, Domeyer TJ, Hetzel SJ, **Brooks MA**. Eating Behaviors and Nutrition Challenges of Collegiate Athletes: The Role of the Athletic Trainer in a Performance Nutrition Program. In press *Athletic Training & Sports Health Care* 2018; 10(3): 117-124 doi: 10.3928/19425864-20171101-08
40. Bekker S, Ahmed OH, Bakare U, Blake TA, **Brooks A**, Davenport TE, Mendonca LDM, Fortington LV, Himawan M, Kemp JL, Litzky K, Loh RF, MacDonald J, McKay CD, Mosler AB, Mountjoy M, Pederson A, Stefan MI, Stokes E, Vassallo AJ, Whittaker JL. We need to talk about manels: the problem of implicit gender bias in sport and exercise medicine. *Br J Sports Med* 2018 Mar 17; pii: bjsports-2018-099084. doi: 10.1136/bjsports-2018-099084. [Epub ahead of print]. PMID 29550755
41. Bell DR, Post EG, Trigsted SM, Schaefer DA, McGuine TA, Watson A, **Brooks MA**. Sport Specialization Characteristics between Rural and Suburban High School Athletes. *Orthopaedic Journal of Sports Medicine*, January 19, 2018; 6(1). doi: 10.1177/2325967117751386
42. **Brooks MA**, Post EG, Trigsted SM, Schaefer DA, Wichman D, Watson AM, McGuine TA, Bell DR. Knowledges, Attitudes, and Beliefs of Youth Club Athletes Towards Sport Specialization and Sport Participation. *Orthopaedic Journal of Sports Medicine*, May 4, 2018; 6(5). doi: 10.1177/2325967118769836
43. Post EG, Trigsted SM, Schaefer DA, Cadmus-Bertram LA, Watson AM, McGuine TA, **Brooks MA**, Bell DR. Knowledge, Attitudes, and Beliefs of Youth Sports Coaches Regarding Sport Volume



Recommendations and Sport Specialization. *Journal of Strength and Conditioning Research* 2018 Feb 22. doi: 10.1519/JSC.0000000000002529. [Epub ahead of print] PMID: 29481449

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52. Post EG, Trigsted SM, Schaefer D, Cadmus-Bertram L, Watson A, McGuine TA, **Brooks MA**, Bell DR. Knowledge, Attitudes, and Beliefs of Youth Sport Coaches Regarding Sport Volume Recommendations and Sport Specialization. *Pediatric Research in Sports Medicine Society 5th Annual Meeting*, Ft. Lauderdale, FL, January 25-27, 2018
53. Biese KB, Post EG, McGuine TA, **Brooks MA**, Bell DR. Sport Specialization and Participation Characteristics in High School Volleyball Athletes. *Great Lakes Athletic Trainers' Association 50th Annual Meeting and Symposium*, Chicago, IL, March 14-17, 2018.
54. Bell DR, Post EG, Trigsted SM, Schaefer D, Miller MM, Green NE, McGuine TA, **Brooks MA**. Parents' Awareness and Perceptions of Sport Specialization and Injury Prevention Recommendations. *Great Lakes Athletic Trainers' Association 50th Annual Meeting and Symposium*, Chicago, IL, March 14-17, 2018
55. Post EG, Trigsted SM, Schaefer DA, Cadmus-Bertram LA, Watson AM, McGuine TA, **Brooks MA**, Bell DR. Knowledge, Attitudes, and Beliefs of Youth Sport Coaches Regarding Sport Volume Recommendations and Sport Specialization. *Great Lakes Athletic Trainers' Association 50th Annual Meeting and Symposium*, Chicago, IL, March 14-17, 2018
56. **Brooks MA**, Hetzel SJ, McGuine TA. Increased Risk of Acute Lower Extremity Injury in High School Soccer Players with History of Sport-Related Concussion. *Clinical Journal of Sports Medicine* 2018 March; 28(2): 244. *American Medical Society for Sports Medicine Annual Meeting*, Orlando, FL, April 25-29, 2018
57. McCullough JI, Sanfilippo JL, Kliethermes SA, **Brooks MA**. Higher Odds of Collegiate Lower Extremity Injury in Student Athletes with History of Lower Extremity Surgery before Entering College Athletics. *69th Annual NATA Meeting-Symposium*, New Orleans, LA, June 2018
58. Post EG, Trigsted SM, Schaefer DA, Cadmus-Bertram LA, Watson AM, McGuine TA, **Brooks MA**, Bell DR. The Effect of Sport Specialization, Overuse Injury, and Travel on Daytime Sleepiness in Youth Athletes. *69th Annual NATA Meeting-Symposium*, New Orleans, LA, June 2018.
59. McGuine TA, Schwarz A, Pfaller A, De Bruin A, Roberts E, Gallanberger M, McDonald C, Kliethermes S, **Brooks MA**. A Prospective Study on the Incidence, Mechanisms and Risk Factors



for Sport Related Concussions in High School Soccer Players. *69th Annual NATA Meeting-Symposium*, New Orleans, LA, June 2018.

60. Post EG, Biese KM, Schaefer DA, Watson AM, McGuine TA, **Brooks MA**, Bell DR. Sport-Specific Associations of Specialization and Sport Volume with Overuse Injury in Youth Athletes. Submitted to *American College of Sports Medicine Annual Meeting*, Orlando, FL, June 2019

Invited Research Presentations

Local

Needs Assessment to Identify Young Athletes with Low Back Pain or Low Back Injury. Primary Care Faculty Development Program, University of Wisconsin, Madison, WI, 11/10/07

Pilot Study to Test Musculoskeletal Outcome Surveys in Young Athletes with Low Back Pain, National Research Service Award Annual Research Retreat, University of Wisconsin, Madison, WI, 12/7/07

(Cost)-Effective Prevention of Acute Ankle Injuries. Kinesiology Conference, Department of Kinesiology, University of Wisconsin, Madison, WI, 10/14/11

Top 5 Sports Medicine Articles of 2012, Seminar in Athletic Training, Department of Kinesiology, University of Wisconsin, Madison, WI, 3/29/13

Can Limits on Full Contact and the HEADS UP Program Save Youth Football? Physical Medicine & Rehabilitation Grand Rounds, University of Wisconsin, Madison, WI, Department of Orthopedics & Rehabilitation, 3/25/16

Update on the NCAA-DOD CARE Consortium Concussion Study, Grand Rounds, University of Wisconsin, Madison, WI, Department of Orthopedics & Rehabilitation, 11/29/17; UW Sports Medicine Conference, 4/20/18

Regional

University of Wisconsin Concussion Research Update, Big Ten/CIC-Ivy League Traumatic Brain Injury Research Collaboration – 2nd Annual Summit, Philadelphia, PA, 7/16/14

Concussion Increases Risk of Lower Extremity Musculoskeletal Injury after Return-to-Play Among Collegiate Athletes. Big Ten/CIC Ivy League TBI Research Collaboration – 3rd Annual Summit, Chicago, IL, July 2015

Post-concussion Motor Impairments and Subsequent Musculoskeletal Injury Risk after Return to Play. Big Ten/CIC Ivy League TBI Research Collaboration – 4th Annual Summit, Philadelphia, PA, July 2016

Perspectives on Return to Learn for the Student-Athlete. Big Ten-Ivy League Traumatic Brain Injury Research Collaboration, 5th Annual Summit, Chicago, IL, July 2017

Update on the NCAA-DoD CARE Consortium Study. Washington University 11th Annual Sports Medicine Update, St. Louis, MO, March 23, 2018

National/International

Skiing and Snowboarding Injuries in the US: Problems and Prevention. Harborview Injury Prevention and Research Center, Seattle, WA, 2005

Evaluation of Skiing and Snowboarding Injuries in Terrain Parks. 2nd World Congress on Sports Injury Prevention, Tromsø, Norway, June 2008

Engineering Young Athletes: Genetic Testing and Performance Enhancement in Youth Sports. Pediatric Academic Societies' Annual Meeting, Vancouver, B.C., 5/3/10

The Effect of Ankle Braces on Ankle Injury Rates in High School Basketball Players. IOC World Conference on Prevention of Injury & Illness in Sport, Monte Carlo, Monaco, April 2011

Normative Values for the SCAT3 in Adolescent Athletes. IOC World Conference on Prevention of Injury & Illness in Sport, Monte Carlo, Monaco, April 2014

Establishing the Psychometric Properties of the ChildSCAT3. AMSSM Exchange Lecture – National Athletic Trainers Association Annual Meeting, St. Louis, MO, 6/24/15

A Ban on Tackling/Checking/Heading in Youth Sports – Panic or Practical? AMSSM Seminar – South African Sports Medicine Association Biennial Congress, Johannesburg, South Africa, 10/21/15

Effect of New Rule Limiting Full Contact Practice on Incidence of Sport Related Concussion in High School Football Players. South African Sports Medicine Association Biennial Congress, Johannesburg, South Africa, October 2015

Clinical Research can be for Everyone – Tips and Traps for Trainees: Clinical Research Symposium. “How to Write a Scientific Paper and Get Published.” American College of Sports Medicine Annual Meeting, Boston, MA, 6/4/16

Clinical Research can be for Everyone – Tips and Traps for Trainees: Clinical Research Symposium. “How to Write a Scientific Paper and Get Published.” American College of Sports Medicine Annual Meeting, Denver, CO, 5/30/17

Post-Concussion Motor Impairments and Subsequent Musculoskeletal Injury Risk After Return To Play. Mayo Clinic Sports Medicine Ice Hockey Summit III: Action on Concussion 2017, Rochester, MN, 9/28/17

How to Survive Peer Review: Perspectives of Authors, Reviewers and Editors. American Medical Society for Sports Medicine Annual Meeting, Orlando, FL, April 26, 2018

Patents

Educational Activities & Presentations

(Describe audience whenever possible, e.g., faculty, undergraduates, medical students, residents/fellows, public)

Classroom Teaching

2005 Lecturer, School of Public Health, University of Washington, HSERV 590 Research Methods Course, “Survey Methods” – graduate students



- 2005-2006 Lecturer, School of Medicine, University of Washington, ORTHP 585 Sports Medicine Course, "Pediatric Sports Injuries" – medical students
- 2005-2006 Teaching Assistant, School of Medicine, University of Washington, Human Biology 553, Musculoskeletal Anatomy – medical students
- 2006-2007 Anaphylaxis, EpiPen Use, and Care of the Diabetic Athlete. Athletic Training In-Service, University of Wisconsin, UW Health Sports Medicine, Madison, WI, 2006-2007 – athletic trainers
- 2007-2009 Lecturer, Department of Kinesiology, University of Wisconsin Kinesiology 457 – Medical Aspects of Exercise and Sport, "Sport Psychology" – undergraduate athletic training students
- 2007-present Lecturer, Department of Kinesiology, University of Wisconsin, Kinesiology 457: Medical Aspects of Exercise and Sport, "Disordered Eating in the Athlete", "Medical Issues in the Female Athlete" – undergraduate athletic training students
- 2008-2009 Lecturer, Department of Kinesiology, University of Wisconsin, Kinesiology 499 – Seminar in Athletic Training, "Five Things to Remember When Caring For the Adolescent Athlete" – undergraduate athletic training students
- 2009 Lecturer, Department of Soil Science, University of Wisconsin, Soil Science 375: Metrics for a Healthy City, "Bone Health and Exercise" – undergraduate and graduate students
- 2010-2016 Lecturer and Small Group Instructor, School of Medicine and Public Health, University of Wisconsin, Medical Sciences 622-728: Integrated Musculoskeletal System, "Public Health Burden of Musculoskeletal Disease" – medical students
- 2016 Panelist, Department of Kinesiology, University of Wisconsin, Kinesiology 475 Seminar in Athletic Training, "A Team Approach to Patient-Centered Care" – undergraduate athletic training students
- 2017 Small Group Instructor, School of Medicine and Public Health, University of Wisconsin, Medical Sciences: Mind and Motion Course – medical students

CME Presentations

Departmental

- Exercise Testing In Adults. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 8/06
- Bony Injuries in the Skeletally Immature Athlete. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 10/06
- Sickle Cell in the Athlete. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 3/07
- Sickle Cell in the Athlete. Grand Rounds, Department of Pediatrics, University of Wisconsin, Madison, WI, 4/19/07



Skin Disorders in the Athlete. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 5/07

Overuse Injuries in the Elbow. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 6/07

Sports Nutrition. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 10/07

Eye Injuries in Sports. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 11/07

Foot Pain in Athletes. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 2/08

Use of Manual Medicine and CAM in Musculoskeletal Medicine. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 4/08

Bone Health in Cyclists. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 4/10/09

Ice Hockey Update: Hot Topics in a Cold Sport. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 1/29/10

Engineering Young Athletes: Genetic Testing in Youth Sports. Grand Rounds, Department of Pediatrics, University of Wisconsin, Madison, WI, 7/15/10

Genetic Testing for Sports Performance and Sports Injury. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 12/10/10

(Cost)-Effective Prevention of Acute Ankle Injuries. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 11/11/11

Would (Should) You Let Your Child Play Football? Grand Rounds, University of Wisconsin, Madison, WI, Department of Orthopedics, 2/17/13; Department of Pediatrics, 10/17/13

Top 5 Sports Medicine Articles of 2012. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 3/29/13

Too Young To Run – The Child Marathoner. UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 10/11/13

Is There “Concussion-proof” Equipment for Youth Sports? Grand Rounds, University of Wisconsin, Madison, WI, Department of Orthopedics, 6/11/14

Bucky Strong: Update on the Badger Athletic Performance Program. Grand Rounds, Department of Orthopedics, 6/10/15, UW Sports Medicine Conference, Division of Sports Medicine, 6/19/15; University of Wisconsin, Madison, WI

Does Youth Sport Specialization Do Harm? Grand Rounds, Department of Pediatrics, University of Wisconsin, Madison, WI, 9/15/16

Post-Concussion Motor Impairments and Subsequent Musculoskeletal Injury Risk after Return to Play.



UW Sports Medicine Conference, Division of Sports Medicine, University of Wisconsin, Madison, WI, 1/6/17

UWSMPH/Hospital

Nerve Injuries in Cyclists. UW Cycling Symposium, UW Health Sports Medicine Center, Madison, WI, 3/3/09

Bone Health in Cyclists. UW Cycling Symposium, UW Health Sports Medicine Center, Madison, WI, 2/17/09

Bone Health in Cyclists. UW Cycling Symposium, UW Health Sports Medicine Center, Madison, WI, 2/24/10

Medical Issues in the Female Athlete. UW Sports Medicine Education Series, UW Health Sports Medicine Center, Madison, WI, 10/30/10

Physical Play in Youth Ice Hockey: Has The Game Changed? UW Health Hockey Education Program, Madison, WI, 12/11/12

Too Young To Run – The Child Marathoner. American Family Children’s Hospital Pediatric Advisory Council Meeting, Hilton-Monona Terrace, Madison, WI, 9/19/13

Reducing ACL Injuries in Female Soccer Athletes. UW Health Sports Medicine Lower Extremity Injury Reduction Program, Madison, WI, 3/2/14

Sport Specialization and Risk of Injury in Youth Sports. UW Orthopedic Pediatric Sports Medicine Visiting Professor Lectureship, UW School of Medicine & Public Health, Department of Orthopedics and Rehabilitation, 4/1/16

Concussion Q & A. UW-Madison Cycling Club, 4/5/18

State & Regional

The Role of Physical Activity in the Treatment and Prevention of Obesity. Seminars in Pediatrics, Department of Pediatrics, University of Wisconsin, Madison, WI, 2006

Pediatric Participation Guidelines. UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison, WI, 5/10/07

Pars Defect in the High School Athlete. UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison, WI, 5/8/08

OCD Lesions of the Knee. UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison, WI, 5/9/08

Skiing and Snowboarding Injuries in Children and Adolescents. Seminars in Pediatrics, Department of Pediatrics, University of Wisconsin, Madison, WI, 9/18/2008

Common Youth Sports Injuries: Evaluation and Management. Mile Bluff Medical Center CME,



Mauston, WI, 4/8/09

Assessment of Musculoskeletal Complaints in Primary Care: Pearls and Pitfalls. Mile Bluff Medical Center CME, Mauston, WI, 12/16/09

Exercise Prescription for Bone Health. UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison, WI, 4/8/10

What's Different about the Pediatric Athlete. Orthopedic and Sports Medicine Review for the Pediatric Provider, Wisconsin Dells, WI, 11/5/10

Stress Fractures. Orthopedic and Sports Medicine Review for the Pediatric Provider, Wisconsin Dells, WI 11/6/10

ACL Injury Prevention Programs. Sauk Prairie Memorial Hospital & Clinics Roundtable Discussion, Prairie du Sac, WI, 9/17/13

Is There "Concussion-proof" Equipment for Youth Sports? UW-Madison Athletic Training Program Alumni and Friends Day Symposium, Madison, WI, 2/15/14

Vitamin D Recommendations for Fracture. UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison, WI, 5/8/2014

Advocating for the Young Athlete in the Genomic Era. Seminars in Pediatrics, Department of Pediatrics, University of Wisconsin, Madison, WI, 9/19/14

Reducing ACL Injuries in Female Athletes. Sauk Prairie Memorial Hospital & Clinics Grand Rounds, Prairie du Sac, WI, 9/23/14

Concussion Update. UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison, WI, 5/5/16

Bony Injuries in the Skeletally Immature Athlete. Sauk Prairie Memorial Hospital & Clinics Grand Rounds, Prairie du Sac, WI 10/18/16

Update on Concussion. Grand Rounds, Divine Savior Healthcare, Portage, WI, 1/23/17

Injury Prevention through Sport Performance Training and Athlete Development. UW Health ACL Injury Prevention Clinic, The American Center, Madison, WI, 2/25/17

Concussion Research Update. Aurora BayCare Sports Medicine Symposium, Green Bay, WI, 10/6/17.

Is Artificial Turf A Risk Factor For Injury And Other Bad Things? Aurora BayCare Sports Medicine Symposium, Green Bay, WI, 10/6/17.

Youth Sport Specialization: The Good, The Bad, and The Ugly. Sauk Prairie Memorial Hospital & Clinics Grand Rounds, Prairie du Sac, WI, 12/19/17

Does early Sport Specialization Do Harm? Washington University 11th Annual Sports Medicine Update, St. Louis, MO, March 23, 2018

National/International

The Will or The Pill To Win: A Look at Performance Enhancing Drugs. Grand Rounds, Children's Hospital and Regional Medical Center, Seattle, WA, 2003

The next athletic superstar: Can genetic testing predict? Council on Sports Medicine & Fitness H Program, American Academy of Pediatrics, New Orleans, LA, 10/22/12

The Top 5 Sports Medicine Articles of 2012. Council on Sports Medicine & Fitness H Program, American Academy of Pediatrics, New Orleans, LA, 10/21/12 - 10/22/12

Neuromuscular Training Programs: How They Work. National Conference & Exhibition, American Academy of Pediatrics, New Orleans, LA, 10/22/12 - 10/23/12

Nature vs Nurture: Is the Prevention of Injury Born or Bred? IOC World Conference: Prevention of Injury & Illness in Sport, Monaco, 3/10/14 – 3/12/14

Injury Risk in Youth Ice Hockey: Should the Game Change? AAP Exchange Lecture – American College of Sports Medicine Annual Meeting, Orlando, FL, 5/31/14

Bony Injuries Not to Miss in Kids. SASMA CME on Paediatric Sports Medicine - University of Stellenbosch, Stellenbosch, South Africa, 10/12/15

Pediatric Sports Injuries: Evidence-Based Prevention. Post-Graduate Seminar – University of Pretoria, Pretoria, South Africa, 10/14/15

Bony Injuries Not to Miss in Kids. SASMA CME on Paediatric Sports Medicine - University of Pretoria, Pretoria, South Africa, 10/15/15

Exercise as Medicine for Bone Health in Adolescents. Exercise is Medicine Seminar – South African Sports Medicine Association Biennial Congress, Johannesburg, South Africa, 10/20/15

AMSSM Traveling Fellowship to South Africa. AMSSM Annual Meeting, Dallas, TX, 4/16/16

What is the Appropriate Age to Initiate Contact Sports? American College of Sports Medicine Annual Meeting, Denver, CO, 6/1/17

The Role of Vitamin D: Screening vs Supplementation. Mountain Land Running Summit, Park City, UT, 9/21/18

Relative Energy Deficit in Sport (RED-S): The Good, The Bad and the Ugly. Mountain Land Running Summit, Park City, UT, 9/21/18

Clinical Teaching

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| 2006-present | Clinical Instructor, Department of Family Medicine, University of Wisconsin-Madison, Observed Structured Clinical Exam – Family Medicine residents |
| 2006-present | Small Group Instructor, School of Medicine and Public Health, University of Wisconsin, Patient, Doctor, and Society 1, 2, and 3 –medical students |
| 2006-present | Clinical Preceptor, Department of Pediatrics, University of Wisconsin, UW Health Pediatric Urgent Care Clinic, University Station (medical students and pediatric residents) |

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| 2008-present | Clinical Preceptor, Department of Orthopedics and Rehabilitation, University of Wisconsin, UW Health Sports Medicine Clinics, Research Park and The American Center (athletic training students, medical students, physical therapy students, Peds, FM, IM, ER residents, SM fellows) |
| 2008-present | Clinical Preceptor, Division of Intercollegiate Athletics, University of Wisconsin, McClain Sports Medicine Center (athletic training students, sports medicine fellow) |
| 2008-present | Clinical Preceptor, Division of Intercollegiate Athletics, University of Wisconsin, UW Athletics Sporting Events (athletic training students, medical residents, sports medicine fellow) |

Mentoring (*primary or co-primary advisor)

Current

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| Faculty: | Andrew Watson, MD MS (Sports Medicine) |
| Doctoral: | Evan Nelson, DPT (Physical Therapy) |
| Fellowship: | |
| Residency: | |

Doctoral

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| Kinesiology | Morgan Shields, PhD, Philosophy (Kinesiology) – Cognitive Function Across a Competitive Season in Student-Athletes |
| Kinesiology | Eric Post, PhD ATC, Philosophy (Kinesiology) – The Association of Sport Specialization with Daytime Sleepiness and Perspective of Coaches Regarding Youth Sports Safety |

Masters

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| | Mikel Stiffler, MS (Kinesiology) - Star Excursion Balance Test Performance Varies by Sport in Healthy Division I Collegiate Athletes |
| | Eric Post, MS ATC (Kinesiology) – The Association of Sport Specialization and Training Volume with Injury History in Youth Athletes |
| | Erin Hammer, MD MPH (Public Health) –Longitudinal Assessment of Depression and Quality of Life Scores after Sport-Related Concussion in High School Athletes |

Fellowship

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| Sports Medicine: | *David Smith (2009-2010) |
| | *Kyle Nagle, MD (2011-2012) |
| | *Masaru Furukawa, MD (2012-2013) |
| | *Andrew Watson, MD (2013-2014) |



Jeremy Johnson (2014-2015)
*Erin Hammer (2015-2016)
*Luci Olewinski (2016-2017)
*Todd Domeyer (2017-2018)

Residency

Pediatrics: *Kim Hornbeck (2011-2012)

Family Medicine *Megan Combs (2012-2013)
*Erin Hammer (2013-2014)

Independent Study/Research Practicum

MD: *UW Summer Shapiro Research Program for Medical Students*
2009: Tim Kufahl
2010: Chris Johnson; Nikki Burish
2011: Brian Tolly
2012: Brittany Trentadue; Jessica Rasmussen
2013: Hannah Roeder; Jonathan Erickson; Andrew Weiderhold
2014: Benjamin Mixis; Katie Peterson
2015: Jeremy Reikena; Kevin Hanneken
2016: Adam Pfaller

DPT: Fall 2009: Ashley Balts
Spring 2010: Sarah Wegner

Athletic Training: Fall 2008: Anna Lang
*Fall 2009: Will Adams
Fall 2014, Spring 2015: Kevin Biese

Undergraduate: Brian Batko 2010-2012
*Katie Peterson Spring 2011
Joshua Choe Fall 2012
Brittany Ammerman Fall 2012
Stefanie McKeough Spring 2013
*Rewais Hannah Spring 2015

Service Activities

(Examples: administrative activities, program development, committee assignments, journal or grant reviewer, etc.)

Departmental

UW SMPH, Department of Orthopedics and Rehabilitation
2011-present UW Orthopedic Freedom of Movement Fund Scientific Advisory Committee

UW SMPH, Department of Orthopedics and Rehabilitation, Division of Sports Medicine
2008-present Research Committee

UWSMPH/Hospital

University of Wisconsin School of Medicine and Public Health



2008-2010 Musculoskeletal Oversight Committee

University of Wisconsin Division of Intercollegiate Athletics
2009-present Badger Athletic Performance
2012-present Associate Director of Sport Concussion and Nutrition Research

University of Wisconsin Department of Kinesiology, Athletic Training Program
2012-present Content Expert, Faculty Advisor, Athletic Training Students for Brain Safety

American Family Children's Hospital
2014-2016 Traumatic Brain Injury Prevention Initiative

University of Wisconsin Institute for Clinical and Translational Research
2015 Grant Reviewer, ICTR Pilot Research Awards Program

University of Wisconsin Athletic Board
2015-present Equity, Diversity, and Student Welfare Committee

University of Wisconsin Office of Vice Chancellor for Research and Graduate Education
2016 Grant Reviewer, UW2020: WARF Discovery Initiative

University of Wisconsin School of Medicine and Public Health
2016-2017 Educational Policy and Curriculum Committee

University of Wisconsin-Madison, Division of Biological Sciences
2017 Panelist, New Faculty Workshop Series – The Tenure Process at UW-Madison

UW-Madison, Department of Radiology, Musculoskeletal Imaging and Intervention Section
2017 Member, MSK Search Committee

Community

Dane County Sports Medicine Council, WI
2010-present Vice President

Westside PTO – MMSD, Madison, WI
2017-present Member

Regional

University of Tennessee-Memphis
1996-2000 Aid to Impaired Medical Students Committee

Children's Hospital and Regional Medical Center, Seattle, WA
2002-2003 Patient Safety Committee

Seattle Public Schools, Seattle, WA
2005 Co-chair, Fitness Committee

National/International

National



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| 2007-present | Member, Committee on Sports Medicine and Fitness, American Academy of Pediatrics |
| 2008-present | Member, Abstract and Young Investigator Grant Reviewer, Research Committee, American Medical Society for Sports Medicine |
| 2010-2011 | Breakout Session Leader, AAP Representative, Ice Hockey Summit: Action on Concussion, Mayo Clinic |
| 2010-2011 | Safety Officer, NIH NIAMS study R21 AR057136-01A1, <i>Measurement and Simulation of Biarticular Muscle Function During Human Walking</i> |
| 2011-2012 | Session Leader: Pediatric Sports Medicine, Annual Meeting Planning Committee, American Medical Society for Sports Medicine Annual Meeting |
| 2012 | AAP Representative, Ice Hockey Summit: Action on Concussion, Mayo Clinic |
| 2012-present | Executive Committee Member, Committee on Sports Medicine & Fitness, American Academy of Pediatrics |
| 2013-2017 | Data Collection Working Group, Big Ten/CIC-Ivy League TBI Research Collaboration |
| 2014-present | CME Coordinator and Program Chair, Committee on Sports Medicine & Fitness, American Academy of Pediatrics, H Program and NCE Program, Research Presentations |
| 2014-present | Site Investigator, NCAA-DOD Grand Alliance CARE Consortium |
| 2015 | Grant Reviewer, Seattle Children's Pediatric Early Career Development Award |
| 2015-present | Member, Publications Committee, NCAA-DOD Grand Alliance CARE Consortium |
| 2015-2019 | Elected Member, Board of Directors, American Medical Society for Sports Medicine |
| 2015-2019 | Co-Chair, Research Committee, American Medical Society for Sports Medicine |
| 2015-2019 | Member, Leadership Team, Collaborative Research Network, American Medical Society for Sports Medicine |
| 2016 | AMSSM Representative, Physician Roundtable – Patient Centered Outcomes Research Institute |
| 2016 | Member, Scientific Review Panel, National Basketball Association & GE Healthcare Orthopedics and Sports Medicine Collaboration |
| 2016-2018 | Moderator, Rising with Research and Oral Research Poster Presentations, American Medical Society for Sports Medicine Annual Meeting |

International

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| 2016-present | Section Editor, Special Populations section, Current Sports Medicine Reports |
| 2017-2018 | Special Editor, Pediatric Sports Medicine special issue, Clinical Journal of Sports Medicine |

Manuscript reviewer for the following journals:

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| 2005-present | JAMA |
| 2005-present | JAMA Pediatrics (previously Archives of Pediatric and Adolescent Medicine) |
| 2008-present | Injury Prevention |
| 2008-present | Sports Health |
| 2009-present | Athletic Training & Sports Health Care |
| 2010- | Current Sports Medicine Reports |
| 2011 | Health and Place |
| 2013 | British Journal of Sports Medicine |
| 2013-present | American Journal of Sports Medicine |
| 2014-present | Clinical Journal of Sports Medicine |
| 2014 | Medicine & Science in Sports & Exercise |



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| 2015 | Pediatrics |
| 2015 | Clinical Pediatrics |
| 2015 | Journal of Athletic Training |
| 2015 | Sports Medicine |
| 2016 | Physician and Sports Medicine |
| 2016-present | Journal of Orthopaedic & Sports Physical Therapy |

Other Activities

Outreach and Service

| | |
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| 2000-2003 | Counselor, Stanley Stamm Children's Hospital Camp |
| 2001-2003 | Speaker, Community Speakers Bureau, Children's Hospital and Regional Medical Center |
| 2008-2009 | Vice President, Mad City Velo Masters Cycling Club, Madison, WI |
| 2009-present | Sponsorship Coordinator, Mad City Velo Masters Cycling Club, Madison, WI |
| May 10, 2011 | Fit to a T: Understanding Bone Health. US Bone & Joint Initiative, Verona Public Library, Verona, WI |
| Nov 2, 2011 | Training With Champions: Lessons Learned. 31 st Annual High School Soccer Banquet, Optimist Club of Downtown Madison, Inc. Madison, WI |
| Nov 30, 2011 | Concussions in Youth Ice Hockey. Wildcat Youth Hockey Association Meeting, Waunakee High School, WI |
| Dec 18, 2011 | Skiing and Snowboarding Injuries and Prevention. Tyrol Ski Basin, WI |
| 2012-2016 | Member, Parent Advisory Committee, The Learning Gardens Child Development Center |

Consulting

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| 2010-2013 | Visual Health Information, Inc., Tacoma, WA |
| 2014-2017 | PATH-IN (Physical Therapy vs Internet-Based Exercise Training for Patients with Knee Osteoarthritis) PCORI Stakeholder Panel |

Sports Medicine Event Coverage

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|--------------|---|
| 2006-2008 | Team Physician, Edgewood High School football, Madison, WI, |
| 2006-present | Team Physician, University of Wisconsin Intercollegiate Athletics, Men's soccer and Women's Ice Hockey, Madison, WI |
| 2006-present | WIAA State Championships, Madison, WI |
| 2007 | Mad City 100k Distance Running Race, Madison, WI |
| 2007 | International Cycling Classic, WI |
| 2007-2009 | Madison Marathon, Madison, WI |
| 2010-2011 | National Collegiate Cycling Championships, Waterloo, WI |
| 2011 | Centurion Cycling, Middleton, WI |
| 2012 | USA Cycling Cyclocross National Championships, Madison, WI |
| 2017 | Trek CXC Cup, Waterloo, WI |