



## M. Alison Brooks, M.D., M.P.H. – Curriculum Vitae

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### Contact Information

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### Formal Education

#### *Undergraduate*

1991-1995 Bachelor of Science in Public Health, Environmental Science, University of North Carolina—Chapel Hill, Chapel Hill, NC

#### *Medical School*

1996-2000 Doctor of Medicine, University of Tennessee-Memphis, Memphis, TN

#### *Residency*

2000-2003 Pediatrics Residency, University of Washington, Children's Hospital and Regional Medical Center, Seattle, WA

#### *Postgraduate/Fellowship*

2004-2006 Robert Wood Johnson Foundation Clinical Scholars Program, University of Washington, Seattle, WA

2004-2006 Masters of Public Health, Health Services Research, University of Washington, Seattle, WA

2006-2008 Primary Care Sports Medicine Fellowship, University of Wisconsin Madison, Madison, WI

2008-2013 BIRCWH K12 Research Scholar, Center for Women's Health and Health Disparities Research, University of Wisconsin-Madison, Madison, WI

### Licensure

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

## Certification

2000	National Board of Medical Examiners
2006	Neonatal Resuscitation Program
2013	American Board of Pediatrics
2018	Sports Medicine Certificate of Added Qualification
2020	Pediatric Advanced Life Support
2021	American Red Cross CPR/AED for Health Care Providers

## Current Positions

2008-present	<i>Affiliate Professor</i> , University of Wisconsin-Madison, School of Medicine & Public Health, Department of Pediatrics, Madison, WI
2008-present	<i>Team Physician</i> , University of Wisconsin-Madison, Division of Intercollegiate Athletics, Madison, WI
2016-present	<i>Associate Professor with Tenure</i> , University of Wisconsin-Madison, School of Medicine & Public Health, Department of Orthopedics and Rehabilitation, Division of Sports Medicine, Madison, WI
2022-present	<i>Professor with Tenure</i> , University of Wisconsin-Madison, School of Medicine & Public Health, Department of Orthopedics and Rehabilitation, Division of Sports Medicine, Madison, WI

## Past Positions

2002-2003	<i>Assistant Chief Resident</i> , Pediatrics Residency, University of Washington, Children's Hospital and Regional Medical Center, Seattle, WA
2003-2004	<i>Locum Tenens Physician</i> , Virginia Mason Sand Point Pediatrics, Seattle, WA
2003-2004	<i>Locum Tenens Physician</i> , Children's Hospital and Regional Medical Center, Department of Emergency Medicine, Seattle, WA
2003-2005	<i>Clinical Instructor</i> , Children's Hospital and Regional Medical Center, Department of Pediatrics, Seattle, WA
2006-2008	<i>Clinical Instructor</i> , UW Health/University of Wisconsin Hospital and Clinics, Division of Immediate Care, Madison, WI
2006-2009	<i>Clinical Assistant Professor</i> , UW Health/University of Wisconsin Hospital and Clinics, Madison, WI
2008-2016	<i>Assistant Professor</i> , University of Wisconsin-Madison, School of Medicine & Public Health, Department of Orthopedics and Rehabilitation, Division



of Sports Medicine, Madison, WI

## Honors and Awards

- 1991 *Valedictorian*, Harpeth Hall High School
- 1991-1995 *Division I National Champion*, Women's Soccer, University of North Carolina-Chapel Hill
- 1991-1995 *John Motley Morehead Scholarship*, University of North Carolina-Chapel Hill
- 1999 *Alpha Omega Alpha*, University of Tennessee-Memphis
- 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
- 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 *Exchange Lecturer*, 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
- 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.
- 2014 *AAP Exchange Lecturer*, American College of Sports Medicine Annual Meeting
- 2015 *Vilas Faculty Early Career Investigator Award*, University of Wisconsin-Madison, Office of the Provost and Vice Chancellor for Academic Affairs
- 2015 *Oded Bar-Or Award, 1<sup>st</sup> place - Best Research Presentation*, 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*, National Athletic Trainers Association Annual Meeting
- 2015 *International Traveling Fellow*, 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)
- 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
- 2016 *Oded Bar-Or Award, 1<sup>st</sup> place - Best Research Presentation*, American Academy of Pediatrics National Conference, Council on Sports Medicine & Fitness H Program: Watson A, Brickson S, **Brooks A**, Dunn W. Training Load and Well-Being Predict In-Season Injury and Illness in Female Youth Athletes.
- 2017 *2017 AOSSM STOP Sports Injuries Award*. AOSSM Annual Meeting; 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.
- 2018 *Journal of Athletic Training Kenneth L. Knight Award for Outstanding Research Manuscript*. McGuine TA, Pfaller AY, Post EG, Hetzel SJ, **Brooks A**, Broglio SP. The Influence of Athletic Trainers on the Incidence and Management of Concussions in High School Athletes. *Journal of Athletic Training* 2018 Nov; 53(11): 1017-1024.
- 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.
- 2020 *Fellow of the American Medical Society for Sports Medicine (FAMSSM)* – designation given to sports medicine physicians who have demonstrated an ongoing commitment to advancement of the profession, service to AMSSM and leadership in their communities



- 2020 *Hank Chamber Award for Best Scientific Paper in Athletic Training, PRISM Society 7<sup>th</sup> Annual Meeting; Kliethermes S, McGuine T, Biese K, Bell D, Watson A, **Brooks MA**, Post E, Lang P. Ankle Brace Use and Risk of Acute Lower Extremity Injury Among Female High School Volleyball Players.*
- 2021 *Hank Chamber Award for Best Scientific Presentation in ATC/Motion, PRISM 8<sup>th</sup> Annual Meeting; McGuine T, Biese K, Hetzel S, Kliethermes S, Reardon C, Bell D, **Brooks MA**, Watson A. The Impact of COVID-19 School-Related Closures and Sport Cancellations on the Health of Adolescent Athletes.*
- 2022 *Visiting Professor, University of Iowa Carver College of Medicine*

## Professional Society Memberships

### American Academy of Pediatrics

- |              |  |
|--------------|--|
| 2000-present | Fellow   |
| 2006-present | Council on Sports Medicine & Fitness   |
| 2012-2018    | Elected Member, Executive Committee, Council on Sports Medicine & Fitness            |
| 2014-2018    | CME Coordinator - Program Chair, AAP H Program, Council on Sports Medicine & Fitness |
| 2019-2023    | Elected Chair, Executive Committee, Council on Sports Medicine Fitness               |

### American Medical Society for Sports Medicine

- |              |  |
|--------------|--|
| 2005-present | Member, Research Committee                         |
| 2015-2019    | Elected Member, Board of Directors                 |
| 2015-2019    | Co-Chair, Research Committee                       |
| 2015-2019    | Leadership Team, Collaborative Research Network    |
| 2019-present | Youth Sports Advocacy Team                         |
| 2020-present | Advisory Committee, Collaborative Research Network |
| 2020         | Fellow designation, FAMSSM                         |

### American College of Sports Medicine

- |              |        |
|--------------|--------|
| 2006-present | Member |
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### Dane County Sports Medicine Council

- |              |                |
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| 2008-present | Member         |
| 2011-present | Vice President |

## Publications (\* denotes award)

### Peer-Reviewed Publications

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**, Heiderscheid 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, Heiderscheid 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, Heiderscheid 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**, 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
33. 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
34. 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
35. \*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

*\*Sports Health T. David Sisk Award for Best Original Research Paper*

36. 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
37. 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





38. **Brooks MA**, Prichep LS, Bazarian J, Talavage T, Barr W. The Use of an Electrophysiological Brain Function Index in the Evaluation of Concussed Athletes. *Journal of Head Trauma and Rehabilitation*, 2018 Jan/Feb;33(1):1-6. doi: 10.1097/HTR.0000000000000328. PMID: 28520677
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. *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* 2018 Jan 19;6(1):2325967117751386. doi: 10.1177/2325967117751386. eCollection 2018 Jan. PMID: 29376086
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* 2018; 6(5). May 4;6(5):2325967118769836. doi: 10.1177/2325967118769836. eCollection 2018 May. PMID: 29770341
43. Bell DR, Post E, Trigsted S, Schaefer D, McGuine T, **Brooks A**. Parents' Awareness and Perceptions of Sport Specialization and Injury Prevention Recommendations. *Clinical Journal of Sports Medicine* 2018 Aug 8. doi: 10.1097/JSM.0000000000000648. Online ahead of print. PMID: 30095505
44. Post EG, Green NE, Schaefer DA, Trigsted SM, **Brooks MA**, McGuine TA, Watson AM, Bell DR. Socioeconomic Status of Parents with Children Participating on Youth Club Sport Teams. *Physical Therapy in Sport*, 2018 Jul; 32:126-132. doi: 10.1016/j.ptsp.2018.05.014. Epub 2018 May 17. PMID: 29793120
45. Peckham KJ, DiStefano LJ, Root HJ, Post EG, Lepley LK, Trigsted SM, **Brooks A**, Scarneo SE, Bell DR. The Influence of Sport Specialization on Landing Error Scoring System Scores in High School Athletes. *Athletic Training & Sports Health Care* 2018; 10(6): 253-259 <https://doi.org/10.3928/19425864-20180830-02>
46. \*McGuine TA, Pfaller AY, Post EG, Hetzel SJ, **Brooks A**, Broglio SP. The Influence of Athletic Trainers on the Incidence and Management of Concussions in High School Athletes. *Journal of Athletic Training* 2018 Nov; 53(11): 1017-1024. doi: 10.4085/1062-6050-209-18. Epub 2018 Nov 7. PMID: 30403363

\* *Journal of Athletic Training* Kenneth L. Knight Award for Outstanding Research Manuscript



47. Post EG, Trigsted SM, Schaefer DA, Cadmus-Bertram LA, Watson AM, McGuine TA, **Brooks MA**, Bell DR. The Association of Sport Specialization, Overuse Injury, and Travel with Daytime Sleepiness in Youth Athletes. *Athletic Training & Sports Health Care*, 2019. Epub 2019 March 29 <https://doi.org/10.3928/19425864-20190219-01>
48. Post EG, Schaefer DA, Biese KM, Watson AM, McGuine TA, **Brooks MA**, Bell DR. A Comparison of Team Sport Volume Surveyed Between High School and Club Sport Coaches. *Orthopedic Journal of Sports Medicine*. 2019 Apr 8;7(4):2325967119836484. doi: 10.1177/2325967119836484. eCollection 2019 Apr. PMID:31001566
49. Pfaller AY, **Brooks MA**, Hetzel S, McGuine TA. Effect of a New Rule Limiting Full Contact Practice on the Incidence of Sport Related Concussion in High School Football Players. *American Journal of Sports Medicine* 2019 Aug; 47(10): 2294-2299. doi: 10.1177/0363546519860120. Epub 2019 Jul 15. PMID: 31306587
50. DiSanti JS, Bell DR, Schaefer DA, **Brooks MA**, McGuine TA, Erickson K. Exploring Coaches' Perceptions of Youth Sport Specialization: A Comparison of High School and Club Sport Contexts. *Journal of Athletic Training* 2019 Oct; 54(10):1055-1060. doi: 10.4085/1062-6050-409-18. PMID:31633416
51. Post EG, Schaefer DA, Biese KM, Cadmus-Bertram LA, Watson AM, McGuine TA, **Brooks MA**, Bell DR. A Comparison of Emergency Preparedness Between High School Coaches and Club Sport Coaches. *Journal of Athletic Training* 2019 Oct; 54(10):1074-1082. doi: 10.4085/1062-6050-207-18. PMID:31633408
52. Post EG, Biese KM, Schaefer DA, Watson AM, McGuine TA, **Brooks MA**, Bell DR. Sport-Specific Associations of Specialization and Sex with Overuse Injury in Youth Athletes. *Sports Health* 2020 Jan/Feb; 12(1): 36-42. doi: 10.1177/1941738119886855. Epub 2019 Nov 14. PMID: 31724908
53. McGuine TA, Post E, Pfaller AY, Hetzel S, Schwarz A, **Brooks MA**, Kliethermes SA. Does Soccer Headgear Reduce the Incidence of Sport-Related Concussion? A Cluster-Randomised Controlled Trial of Adolescent Athletes. *British Journal of Sports Medicine* 2020; 54:408-413. doi: 10.1136/bjsports-2018-100238. PMID:31088784
54. Hammer E, **Brooks MA**, Hetzel S, Arakkal A, Comstock RD. Epidemiology of Injuries Sustained in Boys' High School Contact and Collision Sports, 2008-2009 through 2012-2013. *Orthopaedic Journal of Sports Medicine* 2020 Feb 25; 8(2): 2325967120903699. doi: 10.1177/2325967120903699. eCollection 2020 Feb. PMID: 3213338
55. Hernandez MI, Biese KM, Schaefer DA, Post EG, Bell DR, **Brooks MA**. Different Perceptions of Parents and Children on Factors Influencing Sport Specialization. *Journal of Sport Rehabilitation* 2020 Apr; 25:1-8. doi: 10.1123/jsr.2019-0357. Online ahead of print. PMID: 32335526
56. Johnston W, Heiderscheid B, Coughlan G, McLoughlin R, Liston M, **Brooks MA**, Caulfield B. Concussion Recovery Evaluation Using the Inertial Sensor Instrumented Y Balance Test. *J Neurotrauma* 2020 Jul 8. doi: 10.1089/neu.2020.7040. Online ahead of print. PMID: 32394801



57. Biese KM, Post EG, Schaefer DA, Hernandez MI, **Brooks MA**, McGuine TA, Bell DR. Evaluation of Adolescent Sport Specialization and Injury Mechanism by Sex: A Secondary Analysis. *Journal of Science and Medicine in Sport* 2020 Aug; 23(8): 721-725. doi: 10.1016/j.jsams.2020.01.012. Epub 2020 Feb 6. PMID: 32067917
58. Johnston W, Heiderscheid B, Sanfilippo J, **Brooks MA**, Caulfield B. Athletes with a Concussion History in the Last Two Years Have Impairments in Dynamic Balance Performance. *Scandinavian Journal of Medicine and Science in Sports* 2020 Aug; 30(8):1497-1505. doi: 10.1111/sms.13691. Epub 2020 May 11. PMID: 32311175
59. Biese KM, McGuine TA., Kliethermes SA, Bell DR, Post EG, Watson, AM, **Brooks MA**, Lang PJ. Sport Specialization and Sport Participation Opportunities and Their Association with Injury History in Female High School Volleyball Athletes. *Physical Therapy in Sport* 2020 Sep; 45:86-92. doi: 10.1016/j.ptsp.2020.06.005. Epub 2020 Jul 12. PMID: 32717700
60. 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* 2020 Oct; 34(10):2911-2919. doi: 10.1519/JSC.0000000000002529. PMID: 29481449
61. Biese KM, McGuine TA, Kliethermes SA, Bell DR, Post EG, Watson AM, **Brooks MA**, Lang PJ. Sport specialization and sport participation opportunities and their association with injury history in female high school volleyball athletes. *Phys Ther Sport*. 2020 Sep;45:86-92. doi: 10.1016/j.ptsp.2020.06.005. Epub 2020 Jul 12. PMID: 32717700
62. Olewinski L, **Brooks, MA**, Wilson J, Heidel RE, Watson A. Collegiate Athletes Opinions Regarding Helmet Use While Riding Scooters or Mopeds. *Journal of American College Health*, 2020 Nov 5: 1-9. DOI: 10.1080/07448481.2020.1841773 Online ahead of print. PMID: 33151832
63. McGuine TA, Post E, Biese K, Kliethermes S, Bell D, Watson A, **Brooks A**, Lang P. The Incidence and Risk Factors for Injuries in Girls Volleyball: A Prospective Study of 2072 Players. *J Athl Train*. 2020 Nov 5. doi: 10.4085/182-20. Online ahead of print. PMID: 33150377
64. McGuine TA, Biese KM, Petrovska L, Hetzel SJ, Reardon C, Kliethermes S, Bell DR, **Brooks A**, Watson AM. The Health Of Us Adolescent Athletes During Covid-19 Related School Closures And Sport Cancellations. *J Athl Train*. 2020 Nov 5. doi: 10.4085/478-20. Online ahead of print. PMID: 33150405
65. McGuine TA, Biese KM, Petrovska L, Hetzel SJ, Reardon C, Kliethermes S, Bell DR, **Brooks A**, Watson AM. Mental Health, Physical Activity, and Quality of Life of US Adolescent Athletes During COVID-19-Related School Closures and Sport Cancellations: A Study of 13000 Athletes. *J Athl Train*. 2021 Jan 1:56(1):1-19. doi: 10.4085/1062-6050-0478.20. PMID: 33290516



66. Watson A, Post E, Biese K, Kliethermes S, **Brooks MA**, Bell D. Decreased Physical Activity and Sleep, Not Sport Specialization, Predict Illness in Middle School Athletes. *Sports Health* 2021 Jan/Feb;13(1):25-30. doi: 10.1177/1941738120927599. Epub 2020 Jul 6. PMID: 32631208
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### Books

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### Conference Publications

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## Chapters in Books

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5. Hammer E, **Brooks MA**, Bartels CM. Musculoskeletal Disorders. In Remington P (ed) Maxcy-Rosenau-Last Public Health and Preventive Medicine, 16<sup>th</sup> edition, McGraw-Hill Professional Publishing, 2022

## NCAA-DoD CARE Consortium Publications (As study site PI at the University of Wisconsin-Madison, Dr. Brooks contributed to publications as a **CARE Consortium Investigator** – select publications listed below, full list of all CARE Consortium publications available in PubMed)

1. Broglio 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 US Military Service Academy Members: The NCAA-DoD Concussion Assessment, Research and Education (CARE) Consortium Structure and Methods. *Sports Med* 2017 Jul; 47(7): 1437-1451. doi: 10.1007/s40279-017-0707-1. PMID: 28281095
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**Policy Statements** (\*Dr. Brooks served as contributing author in her role as Executive Committee member/Chair of the American Academy of Pediatrics Council on Sports Medicine & Fitness, 2012-present)

1. \*Halstead ME, McAvoy K, Devore CD, Carl R, Lee M, Logan K; **Council on Sports Medicine and Fitness**; Council on School Health. Returning to Learning Following a Concussion. *Pediatrics* 2013 Nov;132(5): 948-57. PMID: 24163302
1. \*LaBella CR, Hennrikus W, Hewett TE, **Council on Sports Medicine and Fitness**, Section on Orthopaedics. Anterior Cruciate Ligament Injuries: Diagnosis, Treatment, and Prevention. *Pediatrics* 2014 May;133(5):e1437-50. doi: 10.1542/peds.2014-0623 PMID: 24777218
2. **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
3. \*Meehan WP, Landry GL, **Council on Sports Medicine and Fitness**. Tackling in Youth Football. *Pediatrics* 2015 Nov; 136(5):e1419-30. DOI: 10.1542/peds.2015-3282 PMID:26498638
4. \*LaBotz M, Griesemer BA. **Council on Sports Medicine and Fitness**. Use of Performance-Enhancing Substances. *Pediatrics* 2016 Jul; 138(1):e20161300. DOI:10.1542/peds.2016-1300 PMID: 27354458



5. \*Weiss Kelly AK, Hecht S, **Council on Sports Medicine and Fitness**. The Female Athlete Triad. *Pediatrics* 2016 Aug; 138(2):e20160922 DOI:10.1542/peds.2016-0922 PMID: 27432852
6. \*Brenner JS, **Council on Sports Medicine and Fitness**. Sports Specialization and Intensive Training in Young Athletes. *Pediatrics* 2016 Sep; 138(3): e20162148 DOI:10.1542/peds.2016-2148 PMID: 27573090
7. \*Demorest RA, Koutures C, **Council on Sports Medicine and Fitness**. Youth Participation and Injury Risk in Martial Arts. *Pediatrics* 2016 Dec; 138(6):e20163022. doi: 10.1542/peds.2016-3022. Epub 2016 Nov 28. PMID: 27940732
8. \*Carl RL, Johnson MD, Martin TJ, **Council on Sports Medicine and Fitness**. Promotion of Healthy Weight-Control Practices in Young Athletes. *Pediatrics* 2017 Sep;140(3):e20171871. doi: 10.1542/peds.2017-1871. Epub 2017 Aug 21. PMID: 2882738
9. \*Davies HD, Jackson MA, Rice SG, Committee on Infectious Diseases, **Council on Sports Medicine and Fitness**. Infectious Diseases Associated with Organized Sports and Outbreak Control. *Pediatrics* 2017 Oct; 140(4). pii: e20172477. doi: 10.1542/peds.2017-2477. Epub 2017 Sep 25. PMID" 28947608
10. \*Halstead ME, Walter KD, Moffatt K; **Council on Sports Medicine and Fitness**. Sport-Related Concussion in Children and Adolescents. *Pediatrics* 2018 Dec; 142(6). pii: e20183074. doi: 10.1542/peds.2018-3074. Epub 2018 Nov 12. PMID:30420472
11. \*Logan K, Cuff S; **Council on Sports Medicine and Fitness**. Organized Sports for Children, Preadolescents, and Adolescents. *Pediatrics* 2019 May 20. pii: e20190997. doi: 10.1542/peds.2019-0997. [Epub ahead of print] PMID: 31110166
12. \*Watson A, Mjaanes JM; **Council on Sports Medicine and Fitness**. Soccer Injuries in Children and Adolescents. *Pediatrics* 2019 Nov; 144(5). pii: e20192759. doi: 10.1542/peds.2019-2759. PMID: 31659001
13. \*Stricker PR, Faigenbaum AD, McCambridge TM, **Council on Sports Medicine and Fitness**. Resistance Training for Children and Adolescents. *Pediatrics* 2020 Jun;145(6):e20201011. doi: 10.1542/peds.2020-1011. PMID: 32457216
14. \*Lobelo F, Muth ND, Hanson S, Nemeth BA, **Council on Sports Medicine and Fitness, Section on Obesity**. Physical Activity Assessment and Counseling in Pediatric Clinical Settings. *Pediatrics* 2020 Mar; 145(3):e20193992. doi: 10.1542/peds.2019-3992. Epub 2020 Feb 24. PMID: 32094289

**Invited Research Presentations** (\*denotes Research Award)

**Local/UW**



1. Needs Assessment to Identify Young Athletes with Low Back Pain or Low Back Injury. Primary Care Faculty Development Program, University of Wisconsin, Madison, WI, November 10, 2007
2. 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, December 7, 2007
3. Cost-Effective Prevention of Acute Ankle Injuries. Kinesiology Conference, Department Of Kinesiology, University of Wisconsin, Madison, WI, October 14, 2011
4. Top 5 Sports Medicine Articles of 2012, Seminar in Athletic Training, Department of Kinesiology, University of Wisconsin, Madison, WI, March 29, 2013
5. Bucky Strong: Update on the Badger Athletic Performance Program, Grand Rounds, University of Wisconsin School Medicine & Public Health, Department of Orthopedics & Rehabilitation, Madison, WI, June 10, 2015
6. Can Limits on Full Contact and the HEADS UP Program Save Youth Football? Physical Medicine & Rehabilitation Grand Rounds, University of Wisconsin School Medicine & Public Health, Department of Orthopedics & Rehabilitation, Madison, WI, March 25, 2016
7. Update on the NCAA-DOD CARE Consortium Concussion Study, Orthopedic Grand Rounds, University of Wisconsin School Medicine & Public Health, Department of Orthopedics & Rehabilitation, Madison, WI, 11/29/17; UW Sports Medicine Conference, April 20, 2018
8. Update on the NCAA-DOD CARE Consortium Concussion Study, Sports Medicine Conference, University of Wisconsin School Medicine & Public Health, Division of Sports Medicine, Madison, WI, April 20, 2018
9. Purposeful Heading in Youth Soccer: A New Paradigm for Brain Injury Detection. Grand Rounds, University of Wisconsin School Medicine & Public Health, Department of Orthopedics & Rehabilitation, Madison, WI, November 17, 2021
10. Purposeful Heading in Youth Soccer: A New Paradigm for Brain Injury Detection. BIOS (Badger Inquiry on Sport) Seminar, University of Wisconsin Intercollegiate Athletics, Madison, WI, April 8, 2022

## Regional

1. University of Wisconsin Concussion Research Update, Big Ten/CIC-Ivy League Traumatic Brain Injury Research Collaboration – 2<sup>nd</sup> Annual Summit, Philadelphia, PA, July 16, 2014
2. Concussion Increases Risk of Lower Extremity Musculoskeletal Injury after Return-to Play Among Collegiate Athletes. Big Ten/CIC Ivy League TBI Research Collaboration –3<sup>rd</sup> Annual Summit, Chicago, IL, July 2015





3. Post-concussion Motor Impairments and Subsequent Musculoskeletal Injury Risk after Return to Play. Big Ten/CIC Ivy League TBI Research Collaboration – 4<sup>th</sup> Annual Summit, Philadelphia, PA, July 2016
4. Perspectives on Return to Learn for the Student-Athlete. Big Ten-Ivy League Traumatic Brain Injury Research Collaboration, 5<sup>th</sup> Annual Summit, Chicago, IL, July 2017
5. Update on the NCAA-DoD CARE Consortium Study. Washington University 11<sup>th</sup> Annual Sports Medicine Update, St. Louis, MO, March 23, 2018
6. Musculoskeletal Injuries Are Associated With Previous Concussion History: A Prospective Study of High School Volleyball and Soccer Players. UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison, WI, April 22, 2021
7. Updates in Sports Specialization Research. Sauk Prairie Healthcare Grand Rounds, Prairie Du Sac, WI, May 3, 2022
8. COVID Pandemic and Mental Health in Athletes. 38<sup>th</sup> Annual University of Iowa Sports Medicine Symposium, Coralville, IA, December 8, 2022
9. To Brace or Not To Brace. 38<sup>th</sup> Annual University of Iowa Sports Medicine Symposium, Coralville, IA, December 8, 2022
10. Protective Equipment in Youth Sports. 38<sup>th</sup> Annual University of Iowa Sports Medicine Symposium, Coralville, IA, December 8, 2022
11. Purposeful Heading in Youth Soccer. University of Iowa Carver College of Medicine, Department of Pediatrics Grand Rounds, Iowa City, IA, December 9, 2022

### **National/International**

1. Skiing and Snowboarding Injuries in the US: Problems and Prevention. Harborview Injury Prevention and Research Center, Seattle, WA, 2005
2. Evaluation of Skiing and Snowboarding Injuries in Terrain Parks. 2<sup>nd</sup> World Congress on Sports Injury Prevention, Tromsø, Norway, June 2008
3. Engineering Young Athletes: Genetic Testing and Performance Enhancement in Youth Sports. Pediatric Academic Societies' Annual Meeting, Vancouver, B.C., May 3, 2010
4. 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
5. The Effect of Ankle Braces on Ankle Injury Rates in High School Basketball Players. American Medical Society for Sports Medicine Annual Meeting, Salt Lake City, UT, May 2011.

*\*Best Overall Research Award, 2011 AMSSM Annual Meeting*



6. Basketball coaches' attitudes and behaviors regarding the use of ankle braces and exercise programs to prevent ankle injuries. American Academy of Pediatrics National Conference & Exhibition, New Orleans, LA, October 2012
7. The Association of the Type of Football Helmet and Mouth Guard with the Incidence of Sport Related Concussion in High School Football Players. American Academy of Pediatrics National Conference & Exhibition, Orlando, FL, October 2013
8. Normative Values for the SCAT3 in Adolescent Athletes. IOC World Conference on Prevention of Injury & Illness in Sport, Monte Carlo, Monaco, April 2014
9. Incidence of Sport-Related Concussion in High School Football Players: Effect of Helmets, Mouthguards, Previous Concussion, Years Playing Experience. American Medical Society for Sports Medicine Annual Meeting, New Orleans, LA, April 2014
10. \*Establishing the Psychometric Properties of the Child Sport Concussion Assessment Tool (Child SCAT3). American Medical Society for Sports Medicine Annual Meeting, Hollywood, FL, April 2015

*\*Best Overall Research Award, 2015 AMSSM Annual Meeting*

11. Establishing the Psychometric Properties of the ChildSCAT3. AMSSM Exchange Lecture – National Athletic Trainers Association Annual Meeting & Clinical Symposia, St. Louis, MO, June 24, 2015
12. Effect of New Rule Limiting Full Contact Practice on Incidence of Sport Related Concussion in High School Football Players. American Academy of Pediatrics National Conference & Exhibition, Washington D.C., October 2015

*\*Oded-Bar-Or Award, 1<sup>st</sup> place - Best Research Presentation, 2015 AAP Council on Sports Medicine & Fitness Program*

13. A Ban on Tackling/Checking/Heading in Youth Sports – Panic or Practical? AMSSM Seminar – South African Sports Medicine Association Biennial Congress, Johannesburg, South Africa, October 21, 2015
14. 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
15. The Association of Sport Specialization and Training Volume Recommendations with Previous Overuse Injury in Adolescent Athletes. American Medical Society for Sports Medicine Annual Meeting, Dallas, TX, April, 2016
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, Boston, MA, June 4, 2016



17. Sport Specialization and Lower Extremity Injury in High School Basketball, Soccer and Volleyball Athletes: A Prospective Cohort Study. American Medical Society for Sports Medicine Annual Meeting, San Diego, CA, May 2017
18. 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, May 30, 2017
19. 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, September 28, 2017
20. Increased Risk of Acute Lower Extremity Injury in High School Soccer Players with History of Sport-Related Concussion. American Medical Society for Sports Medicine Annual Meeting, Orlando, FL, April 25-29, 2018
21. How to Survive Peer Review: Perspectives of Authors, Reviewers and Editors. American Medical Society for Sports Medicine Annual Meeting, Orlando, FL, April 26, 2018
22. The Effect of Early Sport Specialization on Injury Risk and Termination- Panel Discussion. Youth Early Sport Specialization Summit, American Medical Society for Sports Medicine Annual Meeting, Houston, TX, April 12, 2019
23. Highlights and Clinical Implications from the NCAA-DoD CARE Consortium Concussion Study, Big Sky Athletic Training & Sports Medicine Conference, Big Sky, MT, February 6, 2020

**Peer-reviewed Presentation** (\*denotes Research Award)

**Regional**

1. \*Collins JD, Sanfilippo J, Burish N, Donnenwerth J, **Brooks A**, Heiderscheid B. The Influence of Sport and Prior Injury on Performance of the Star Excursion Balance Test and Vertical Jump. Wisconsin Physical Therapy Association Spring Conference, Green Lake, WI, April 2011  
*\*Best Research Poster, 2011 WPTA Spring Conference*
2. \*Wille C, **Brooks A**, Beaulieu J, Severson H, Heiderscheid B. Web-based therapeutic exercise resource center as a treatment for knee osteoarthritis. Journal of Orthopedic & Sports Physical Therapy, 2014; 44(1):A35-36. Wisconsin Physical Therapy Association Spring Conference, Oconomowoc, WI, April 2013  
*\*Best Research Poster, 2013 WPTA Spring Conference*
3. Post EG, Thein-Nissenbaum JM, Sanfilippo JL, Stiffler MR, Trigsted SM, Heiderscheid BC, McGuine TA, **Brooks MA**, Bell DR. High School Sport Specialization Patterns of Current Division I Athletes. Great Lakes Athletic Trainer’s Association Annual Meeting, Chicago, IL, March, 2016

4. Snedden TR, Norman RS, **Brooks A**, Turkstra L. Academic Effects of Concussion in Undergraduate College Students. Big Ten – Ivy League TBI Research Collaboration 5<sup>th</sup> Annual Summit, Chicago, IL, July 19-20, 2017
5. 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 50<sup>th</sup> Annual Meeting and Symposium, Chicago, IL, March 14-17, 2018.
6. 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 50<sup>th</sup> Annual Meeting and Symposium, Chicago, IL, March 14-17, 2018
7. Biese KM, McGuine TA, Bell DR, Hernandez MI, Schaefer DA, Kliethermes S, **Brooks MA**, Watson AM, Lang P. Injury History Is Associated with Sport Specialization Level in High School Volleyball Athletes. Great Lakes Athletic Trainers' Association 50<sup>th</sup> Annual Meeting and Symposium, Chicago, IL, March 14-17, 2018
8. 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 50<sup>th</sup> Annual Meeting and Symposium, Chicago, IL, March 14-17, 2018
9. Biese KM, Post EG, Schaefer DA, Hernandez MI, McGuine TA, **Brooks MA**, Bell DR. Sport Specialization and Injury Location: A Gender Comparison. Great Lakes Athletic Trainers' Association 51<sup>st</sup> Annual Meeting and Symposium, Chicago, IL, March 13-16, 2019
10. Bell DR, McGuine TA, Biese KM, Hernandez MI, Schaefer DA, Kliethermes S, **Brooks MA**, Watson A, Lang P. Injury History is Associated with Sport Specialization Level in High School Volleyball Athletes. Great Lakes Athletic Trainers' Association 51<sup>st</sup> Annual Meeting and Symposium, Chicago, IL, March 13-16, 2019
11. Hernandez MI, Post EG, Biese KM, Schaefer DA, Bell DR, McGuine TA, **Brooks MA**. Perceptions of Factors Related to Sports Specialization between Parents and Children. Great Lakes Athletic Trainers' Association 51<sup>st</sup> Annual Meeting and Symposium, Chicago, IL, March 13-16, 2019
12. Biese KM, Winans M, McGuine TA, Kliethermes SA, Cadmus-Bertram LA, Andreae SJ, **Brooks MA**, Bell DR. Association Between Sport Motivation and Sport Specialization in Middle School-Aged Athletes. (Submitted to *Great Lakes Athletic Trainers' Association Annual Symposium*, November 2022)

## National/International



1. **Brooks MA**, Schiff MA, Koepsell TD, Rivara FP. Prevalence of Preseason Conditioning Among High School Athletes. Robert Wood Johnson Clinical Scholars Program National Meeting, Ft. Lauderdale, FL, November 17, 2005
2. \***Brooks MA**, Schiff MA, Koepsell TD, Rivara FP. Prevalence of Preseason Conditioning Among High School Athletes. *Medicine and Science in Sports and Exercise*, 2006; 38:5S. American Medical Society for Sports Medicine Annual Meeting, Miami, FL, May 2006  
  
*\*Best Research Poster, 2006 AMSSM Annual Meeting*
3. **Brooks MA**, Schiff MA, Rivara FP. Previous Sports Injury Among High School Spring Soccer and Track Athletes. *Medicine and Science in Sports and Exercise*, 2007; 39:5S. American Medical Society for Sports Medicine Annual Meeting, Albuquerque, NM, April 2007
4. Nemeth BA, **Brooks MA**, Peterson S, Clark RR, Sullivan J, Allen DB, Carrel A. Overweight children less likely to attain true VO<sub>2</sub> peak using heart rate criterion than lean children. *Medicine and Science in Sports and Exercise*, 2007; 39:5S, American College of Sports Medicine Annual Meeting, New Orleans, LA, May 30-June 2, 2007
5. **Brooks MA**, Fleming MF. Pilot Study to Test Musculoskeletal Outcome Instruments and Gender Differences in Young Athletes with Low Back Pain. *Journal of Women's Health* 2009; 18(10): 1514. BIRCWH Scholar National Meeting, National Institute's of Health, Bethesda MD, January 2009
6. Kempf J, **Brooks MA**. Do Preseason Running Mileage and Video Analysis Predict In-season Injury Among High School Cross Country Athletes. *Medicine and Science in Sports and Exercise*, 2010; 42:5S, American College of Sports Medicine Annual Meeting, Baltimore, MD, June 2-5, 2010
7. Tolly B, Chumanov E, **Brooks MA**. Ground Reaction Forces and Osteogenic Index of the Sport of Cyclocross. *Medicine and Science in Sports and Exercise*, 2012; 44:5S, American College of Sports Medicine Annual Meeting, San Francisco, CA, May 29-June 2, 2012
8. McGuine TA, **Brooks MA**, Hetzel SJ, Pennuto A. Basketball coaches' attitudes and behaviors regarding the use of ankle braces and exercise programs to prevent ankle injuries. 5<sup>th</sup> International Ankle Symposium, Lexington, KY, October 2012
9. Furukawa M, Prince R, Faucher L, **Brooks MA**, Bicycle helmets and the effectiveness of preventing brain injuries: A case-control study based on a Level I hospital trauma database. *Clinical Journal of Sports Medicine* March 2013; 23:2. American Medical Society for Sports Medicine Annual Meeting, San Diego, CA, April 17-21, 2013
10. McGuine TA, **Brooks MA**, Hetzel SJ, McCrea M. An Examination of the Risk Factors for Sport Related Concussion in High School Football Players. *Journal of Athletic Training*, June 2013, Vol. 48, No.3, Supplement, pp.S-1-S-297. National Athletic Trainers' Association Convention, Las Vegas, NV, June 25-27, 2013



11. McGuine TA, **Brooks MA**, Hetzel SJ, Pennuto. The use of ankle injury prevention programs in high school basketball settings. *Medicine and Science in Sports and Exercise*, 2013; 45:5S, American College of Sports Medicine Annual Meeting, Indianapolis, IN, May 28-June 1, 2013
12. Sanfilippo JL, **Brooks MA**, Donnenwerth J, Heiderscheit BC. Star Excursion Balance Test Performance Differs By Sport. *Medicine and Science in Sports and Exercise*, 2013; 45:5S, American College of Sports Medicine Annual Meeting, Indianapolis, IN, May 28-June 1, 2013
13. Peterson K, Sanfilippo J, Libber J, Donnenwerth J, Krueger D, Binkley N, **Brooks MA**, Heiderscheit BC. Body Composition Changes across the Competitive Season by Sport among Men and Women Collegiate Athletes. *Medicine and Science in Sports and Exercise*, 2013; 45:5S, American College of Sports Medicine Annual Meeting, Indianapolis, IN, May 28-June 1, 2013
14. **Brooks MA**, Combs M, Smith R. Epidemiology of Modern Roller Derby Injuries. *Clinical Journal of Sports Medicine*, March 2014;24(2); 174. American Medical Society for Sports Medicine Annual Meeting, New Orleans, LA, April 2014
15. Stiffler MR, Sanfilippo JL, **Brooks MA**, Heiderscheit BC. Counter Movement Vertical Jump Force and Power Differs By Gender and Sport. *Medicine and Science in Sports and Exercise*, 2014; 46(5): S563. American College of Sports Medicine Annual Meeting, Orlando, FL, May 27-31, 2014
16. **Brooks MA**, Peterson, K, Biese, K, Sanfilippo, J, Heiderscheit, B, Bell, David. Concussion Increases Risk of Lower Extremity Musculoskeletal Injury after Return-to-Play Among Collegiate Athletes. *Clinical Journal of Sports Medicine*, March 2015; 25(2): 187. American Medical Society for Sports Medicine Annual Meeting, Hollywood, FL, April 2015
17. Wasylyk NT, Berning KM, McGuine TA, Hetzel S, **Brooks MA**. Football Coaches Knowledge Regarding the Risk Factors, Symptoms and Management of Sports Related Concussions. National Athletic Trainers' Association Convention, St. Louis, MO, June 2015.
18. Berning KM, Wasylyk NT, McGuine TA, Hetzel S, **Brooks MA**. The Availability of Athletic Trainers To Assess Sport Related Concussions in Various Football Settings. National Athletic Trainers' Association Convention, St. Louis, MO, June 2015.
19. McGuine TA, Kibesek J, Hetzel S, **Brooks MA**. Utilization of Ankle Injury Prevention Strategies by Adolescent Athletes. National Athletic Trainers' Association Convention, St. Louis, MO, June 2015.
20. Kibesek J, McGuine TA, Hetzel S, **Brooks MA**. Adolescent Athlete's Utilization and Perceptions of Ankle Braces to Prevent Ankle Sprains. National Athletic Trainers' Association Convention, St. Louis, MO, June, 2015.



21. McGuine TA, Pfaller AY, Brown M, Schact CD, Post EG, Bell DR, **Brooks MA**. The Association of Sport Specialization and Number of Competitions with the History of Lower Extremity Injury in Adolescent Athletes. Pediatric Research in Sports Medicine Society 3<sup>rd</sup> Annual Meeting, San Diego, CA, January 2016.
22. Bell DR, Post EG, Trigsted SM, Riekena JW, McGuine TA, **Brooks MA**. The Association between Sport Volume Recommendations and History of Injury in adolescent athletes. Pediatric Research in Sports Medicine (PRISM) Symposium, San Diego, CA, January 2016.
23. 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. Clinical Journal of Sports Medicine, March 2016; 26(2): e60. American Medical Society for Sports Medicine Annual Meeting, Dallas, TX, April 2016.

*\*Best NCAA Research Award, 2016 AMSSM Annual Meeting*

24. Domeyer TJ, Parks RB, Hetzel S, **Brooks MA**. Dietary Supplement Use and Source of Nutrition Information among Collegiate Athletes. Clinical Journal of Sports Medicine, March 2016; 26(2): e29. American Medical Society for Sports Medicine Annual Meeting, Dallas, TX, April, 2016.
25. Post EG, Riekena JW, Trigsted SM, McGuine TA, **MA Brooks**, Bell DR. The Association of Sport Specialization and Training Volume with Previous Overuse Injury in Youth Athletes Participating in Summer Sports Tournaments. National Athletic Trainers' Association Convention, Baltimore, MD, June 2016.
26. Riekena JW, Post EG, Trigsted SM, Rabas MM, Trapp JL, McGuine TA, **Brooks MA**, Bell DR. The Prevalence of Sport Specialization in Youth Athletes Participating in Summer Sport Tournaments. Medicine and Science in Sports and Exercise, 2016; 48(5): S822-S823. American College of Sports Medicine Annual Meeting, Boston, MA, June, 2016.
27. Brown M, Torres C, Pfaller AY, Schact C, Post EG, Bell DR, **Brooks MA**, McGuine TA. Association of the Club Sport Participation and Sport Competitions With The History of Lower Extremity Injury in High School Athletes. National Athletic Trainers' Association Convention, Baltimore, MD, June 2016.
28. **Brooks MA**, Hanneken K, Sanfilippo JL, Hetzel S, Herman DC. Neurocognitive and Balance Performance and Risk of Lower Extremity Injury after Concussion. Clinical Journal of Sports Medicine, March 2016; 26(2): e58. American Medical Society for Sports Medicine Annual Meeting, Dallas, TX, April, 2016. American College of Sports Medicine Annual Meeting, Boston, MA, June 2016.
29. **Brooks MA**, Hetzel SJ, Parks RB. Iron Deficiency Anemia Among Collegiate Athletes: A Retrospective Chart Review. Medicine and Science in Sports and Exercise, 2016; 48(5): S177. American College of Sports Medicine Annual Meeting, Boston, MA, June, 2016



30. Parks RB, Hetzel SJ, **Brooks MA**. Performance Nutrition Program for Collegiate Student-Athletes Increases Utilization of Sports Dietitian for Nutrition Information. *Medicine and Science in Sports and Exercise*, 2016; 48(5): S710. American College of Sports Medicine Annual Meeting, Boston, MA, June 2016
31. \*Watson A, Brickson S, **Brooks A**, Dunn W. Training Load and Well-Being Predict In-Season Injury and Illness in Female Young Athletes. American Academy of Pediatrics National Conference & Exhibition, San Francisco, CA, October 2016

*\*Oded-Bar-Or Award, 1<sup>st</sup> place - Best Research Presentation, 2016 AAP Council on Sports Medicine & Fitness Program*

32. McGuine TA, Pfaller AY, Post EG, Trigsted SM, **Brooks MA**, Bell DR. The Effect of Sport Specialization on Lower Extremity Injury Rates in Adolescent Athletes. Pediatric Research in Sports Medicine Society 4<sup>th</sup> Annual Meeting, Dallas, TX, January 2017

33. Bell DR, Post EG, Trigsted SM, McGuine TA, **Brooks MA**. Parent's Knowledge and Perceptions of Sport Specialization and Injury Prevention Recommendations. Pediatric Research in Sports Medicine Society 4<sup>th</sup> Annual Meeting, Dallas, TX, January 2017

34. Post EG, Trigsted SM, McGuine TA, **Brooks MA**, Bell DR. Attitudes and Beliefs Regarding Sport Participation and Specialization among Youth Athletes. Pediatric Research in Sports Medicine Society 4<sup>th</sup> Annual Meeting, Dallas, TX, January 2017

35. Bell DR, Post EG, Trigsted SM, Schaefer DA, Miller MC, Green N, **Brooks A**, McGuine T. Sport Participation Characteristics Between Suburban and Rural High School Athletes. National Athletic Trainers' Association Convention, Houston, TX, June 2017

36. McGuine TA, Schwartz A, Post EG, Bell DR, **Brooks MA**, Hetzel SJ, Trigsted S, Pfaller A. A Comparison of the Impact of Sport Specialization on Lower Extremity Injury Rates in Male and Female Adolescent Athletes. National Athletic Trainers' Association Convention, Houston, TX, June 2017

37. \*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

*\*2017 STOP Sports Injuries Award, AOSSM Annual Meeting*

38. McGuine TA, Kliethermes S, Schwarz A, Gallanberger M, McDonald C, Snedden T, **Brooks A**. A Prospective Study on the Incidence and Onset of Sport Related Concussions in Female High School Soccer Players. Pediatric Research in Sports Medicine Society 5<sup>th</sup> Annual Meeting, Ft. Lauderdale, FL, January 25-27, 2018

39. 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 5<sup>th</sup> Annual Meeting, Ft. Lauderdale, FL,  
January 25-27, 2018

40. 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. National Athletic Trainers' Association Convention, New Orleans, LA, June 2018
41. 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. National Athletic Trainers' Association Convention, New Orleans, LA, June 2018
42. Post EG, Schaefer DA, Biese KM, Watson AM, McGuine TA, **Brooks MA**, Bell DR. A Comparison of Team Sport Volume Between High School and Club Sport Coaches. National Athletic Trainers' Association Convention, New Orleans, LA, June 2018
43. Biese KM, McGuine TA, Bell DR, Hernandez MI, Schaefer DA, Kliethermes S, **Brooks MA**, Watson AM, Lang P. Injury History Is Associated with Sport Specialization Level in High School Volleyball Athletes. National Athletic Trainers' Association Convention, New Orleans, LA, June 2018
44. McGuine TA, Schwarz A, Pfaller A, De Bruin A, Roberts E, Gallenberger 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. National Athletic Trainers' Association Convention, New Orleans, LA, June 2018
45. Post EG, Schaefer DS, Biese KM, Cadmus-Bertram LA, Watson AM, McGuine TA, **Brooks MA**, Bell DR. A Comparison of Emergency Preparedness and Medical Coverage between High School and Club Sport Coaches. Pediatric Research in Sports Medicine Society 6<sup>th</sup> Annual Meeting, Ft. Atlanta, GA, January 17-19, 2019
46. Biese KM, Post EG, Schaefer DA, Kliethermes S, **Brooks A**, McGuine T, Watson AM, Bell DR. Overuse Injury Risk Increases with Year-Round Sport Participation in Middle School Aged Athletes. Pediatric Research in Sports Medicine Society 6<sup>th</sup> Annual Meeting, Ft. Atlanta, GA, January 17-19, 2019
47. Bell D, Biese KM, Post EG, Schaefer D, McGuine TA, Kliethermes S, **Brooks A**, Watson A. Sport Specialization is a Risk Factor for Overuse, but not Acute, Lower Extremity Injuries: A Prospective Study. Pediatric Research in Sports Medicine Society 6<sup>th</sup> Annual Meeting, Ft. Atlanta, GA, January 17-19, 2019
48. DiSanti JS, Post EG, Bell D, Schaefer D, **Brooks MA**, McGuine TA, Erickson KT. Exploring Coach Perceptions of Youth Sport Specialization: A Comparison of the High School and Club Sport Contexts. Pediatric Research in Sports Medicine Society 6<sup>th</sup> Annual Meeting, Ft. Atlanta, GA, January 17-19, 2019



49. Olewinski L, **Brooks A**, Watson A, Wilson J. Collegiate Athletes' Perceptions of Helmet Use while Riding Scooters or Mopeds. American Medical Society for Sports Medicine Annual Meeting, Houston, TX, April 12-17, 2019
50. Watson A, Kliethermes S, Post E, Biese K, Schaefer D, **Brooks A**, McGuine T, Bell D. Sport Specialization and Injury in Middle School Athletes: A 1-Year Prospective Study. American Medical Society for Sports Medicine Annual Meeting, Houston, TX, April 12-17, 2019
51. Watson A, Kliethermes S, Post E, Biese K, Schaefer D, **Brooks A**, McGuine T, Bell D. Sport Specialization and Illness in Middle School Athletes: A 1-Year Prospective Study. American Medical Society for Sports Medicine Annual Meeting, Houston, TX, April 12-17, 2019
52. Brown M, Bernhardt DT, Hammer EM, Watson AM, **Brooks A**. Confidence of NCAA Division I Student-Athletes to Independently Utilize Healthcare. American Medical Society for Sports Medicine Annual Meeting, Houston, TX, April 12-17, 2019
53. Biese KM, McGuine TA, Bell DR, Hernandez MI, Schaefer DA, Kliethermes S, **Brooks MA**, Watson AM, Lang P. Injury History Is Associated with Sport Specialization Level in High School Volleyball Athletes. National Athletic Trainers' Association Convention, Las Vegas, NV, June 24-27, 2019
54. Post EG, Schaefer DA, Biese KM, Watson AM, McGuine TA, **Brooks MA**, Bell DR. A Comparison of Team Sport Volume Between High School and Club Sport Coaches. National Athletic Trainers' Association Convention, Las Vegas, NV, June 24-27, 2019
55. McGuine TA, Schwarz A, Post E, Pfaller A, Hetzel S, **Brooks MA**, Broglio S. The Impact of Athletic Trainers on the Incidence and Management of Concussions in High School Athletes. National Athletic Trainers' Association Convention, Las Vegas, NV, June 24-27, 2019
56. 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. American College of Sports Medicine Annual Meeting, Orlando, FL, May 28 - June 1, 2019
57. \*Kliethermes S, McGuine T, Biese K, Bell D, Watson A, **Brooks MA**, Post E, Lang P. Ankle Brace Use and Risk of Acute Lower Extremity Injury Among Female High School Volleyball Players. Pediatric Research in Sports Medicine Society 7<sup>th</sup> Annual Meeting, Glendale, AZ, January 23-25, 2020  
  
*\*2020 Hank Chamber Award for Best Scientific Paper in Athletic Training, PRISM Society 7<sup>th</sup> Annual Meeting*
58. Snedden T, Post E, Schmidt C, **Brooks A**. Academic Concerns, Requested and Received Support Among Adolescents in the Four Weeks Following Concussion: A Pilot Study. Pediatric Research in Sports Medicine Society 7<sup>th</sup> Annual Meeting, Glendale, AZ, January 23-25, 2020



59. McGuine T, Kliethermes S, Biese K, Bell D, Watson A, **Brooks MA**, Post E, Lang P. A prospective study of time loss and non-time loss injuries sustained by female high school volleyball players. Pediatric Research in Sports Medicine Society 7<sup>th</sup> Annual Meeting, Glendale, AZ, January 23-25, 2020
60. Biese K, McGuine T, Kliethermes S, Bell D, Watson A, **Brooks MA**, Post E, Lang P. Association between injury and sports specialization among female high school volleyball players. Pediatric Research in Sports Medicine Society 7<sup>th</sup> Annual Meeting, Glendale, AZ, January 23-25, 2020
61. Watson AM, McGuine T, Lang P, Biese K, Kliethermes S, **Brooks MA**, Bell D. The Effects of In-Season Injury on Quality of Life Among Female High School Volleyball Athletes. American Medical Society for Sports Medicine Annual Meeting; Atlanta, GA (moved online due to COVID-19), April 2020
62. Hernandez MI, Biese KM, McGuine TA, Schaefer DA, **Brooks MA**, Watson AM, Lang PJ, Kliethermes SA, Bell DR. The association between high school cutting policy and school size with sport specialization status and multisport participation. National Athletic Trainers' Association Convention, Atlanta, GA (moved online due to COVID-19), June 2020
63. Watson AM, McGuine T, Lang P, Post E, Biese K, Kliethermes S, **Brooks MA**, Bell D. The Effects of In-Season Injury on Quality of Life Among Female High School Volleyball Athletes. American Academy of Pediatrics National Conference and Exhibition; San Diego, CA (moved online due to COVID-19), October 2020
64. Lang P, McGuine T, Mack L, Biese K, Bell D, Watson AM, **Brooks MA**, Post E, Kliethermes S. Prevalence of Over the Counter Pain Medication Use Among High School Volleyball Players. American Academy of Pediatrics National Conference and Exhibition; San Diego, CA (moved online due to COVID-19), October 2020; Pediatric Research in Sports Medicine Society 8<sup>th</sup> Annual Meeting; (online due to COVID-19), January 28-30, 2021
65. \*McGuine T, Biese K, Hetzel S, Kliethermes S, Reardon C, Bell D, **Brooks MA**, Watson A. The Impact of COVID-19 School-Related Closures and Sport Cancellations on the Health of Adolescent Athletes. Pediatric Research in Sports Medicine Society 8<sup>th</sup> Annual Meeting; (online due to COVID-19), January 28-30, 2021  
*\*Hank Chamber Award for Best Scientific Presentation – ATC/Motion, PRiSM Society 8<sup>th</sup> Annual Meeting*
66. McGuine T, Biese K, Hetzel S, Kliethermes S, Reardon C, Bell D, **Brooks MA**, Watson A. The Impact of Sport Participation on the Health of Adolescent Athletes During the COVID19 Pandemic. Pediatric Research in Sports Medicine (PRiSM) Annual Meeting; Dallas, TX, January 2022.
67. Spiker AM, Frank AM, Stiffler-Joachim MR, Sanfilippo JL, Call CJ, Dooley MS, Hetzel SJ, **Brooks MA**. Vitamin D levels and Musculoskeletal Injuries in Collegiate Athletes. Orthopedic Research Society Annual Meeting, Tampa, FL, February 4-8, 2022



68. Harris T, **Brooks MA**. Calf Pain and Swelling in an Adolescent Male. American Medical Society for Sports Medicine Annual Meeting, Austin, TX, April 8-13, 2022
69. Frank AM, Stiffler-Joachim MR, Sanfilippo JL, Call CJ, Dooley MS, Hetzel SJ, **Brooks MA**, Spiker AM. Vitamin D levels and Musculoskeletal Injuries in Collegiate Athletes. Arthroscopy Association of North American Annual Meeting, San Francisco, CA, May 19-21, 2022
70. McGuine TA, Biese K, Hetzel S, Reardon C, **Brooks MA**, Bell D, Watson A. A Multi-Year Assessment of the Impact of Sport Participation During the COVID-19 Pandemic on the Physical Activity and Quality of Life of Adolescent Athletes. National Athletic Trainers' Association Convention, June 28-July 1, Philadelphia, PA, 2022
71. 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, Broglio SP. Development of the Post-Concussion Collegiate Return-to-Learn Protocol using a Modified Delphi Approach. National Athletic Trainers' Association Convention, June 28-July 1, Philadelphia, PA, 2022
72. Biese KM, Hernandez HI, Winans M, Rudek G, McGuine TA, Kliethermes SA, Cadmus-Bertram L, Andreae SJ, **Brooks MA**, Bell DR. Secondary School Athletic Trainers' Strategies and Barriers to Treating Overuse Injuries in Adolescent Athletes. National Athletic Trainers' Association Convention, June 28-July 1, Philadelphia, PA, 2022
73. Frank AM, Stiffler-Joachim MR, Sanfilippo JL, Call CJ, Dooley MS, Hetzel SJ, **Brooks MA**, Spiker AM. Vitamin D levels and Musculoskeletal Injuries in Collegiate Athletes. AOSSM 2022 Annual Meeting, Colorado Springs, CO, July 13 - 17, 2022.
74. Tripathi A, Gonzalez JG, Snedden T, **Brooks A**, Ferrazzano P, Franck C, Carlsen RW. Effect of Individual Anatomical Differences in Brain Deformation from Head Accelerations: A Computational Study. PANTHER and UW TBI Center Annual Workshop, Madison, WI, September 26, 2022
75. Nelson EO, Bell DR, McGuine TA, Kliethermes S, Biese K, Sehmer M, Watson A, **Brooks MA**, Snedden T. Development of the Wisconsin Sports Specialization Questionnaire. American Physical Therapy Association Combined Sections Meeting, San Diego, CA, February 22-25, 2023
76. Pfaller A, McGuine T, **Brooks A**, Schwarz A, Biese K, Hernandez M, Mosiman S, Wilson J. Football Coaches' Perceptions and Beliefs Regarding the Merits of Youth Tackle Football. American Medical Society for Sports Medicine Annual Meeting, April 29-May 3, Phoenix, AZ, 2023
77. McGuine TA, Pfaller A, Wilson J, Mosiman S, **Brooks A**. The Association of Years of Youth Tackle Football and Total Years of Football Participation with the History of Concussion in High School Players. (Submitted to *National Athletic Trainers' Association Annual Symposium*, November 2022)



78. Biese KM, Winans M, McGuine TA, Kliethermes SA, Cadmus-Bertram LA, Andreae SJ, **Brooks MA**, Bell DR. Association Between Sport Motivation and Sport Specialization in Middle School-Aged Athletes. (Submitted to *National Athletic Trainers' Association Annual Symposium*, November 2022)
79. McGuine T, Wilson J, Pfaller A, Mosiman S, **Brooks A**. The Association of Previous Youth Tackle Football Participation With Acute Contact-Related Injuries in High School Football Players. (Submitted to the American Academy of Pediatrics National Conference & Exhibition, October 20-24, Washington D.C., 2023)

## Research Support

### Current

Title: UW-Madison Youth Soccer Header Study  
Source: UW-Madison OVCERGE  
Amount: \$204,271  
Year(s): 7/1/2020-6/30/2023  
PI: Brooks  
Role: PI  
Effort: 10%

*The aim of this study is to establish and validate age-based head kinematics, force-strain models and brain injury probability maps from sensor worn data during soccer heading tasks.*

Title: Evaluating the Impact of Training Volume, Sleep, and Well-Being on Injury Risk in Source: Adolescent Cross Country Runners  
Source: Virginia Horne Henry Fund for Women's Physical Education Issues  
Amount: \$32,283  
Years: 5/1/2021-8/31/2023  
PI: Kliethermes, Joachim  
Role: Co-I  
Effort: 2.5%

*This study aims to determine the effect of running volume, sleep duration and quality, and stress and fatigue on running-related injuries among high school cross country runners.*

Title: Mobile Subthreshold Exercise Program for Concussion (M-STEP)  
Source: NIH R01  
Amount: \$3,867,111  
Year(s): 10/19/2020-8/31/2025  
PI: Chrisman  
Role: Co-I  
Effort: 15%

*This study is a randomized controlled trial which will determine the efficacy of a smartphone-delivered mobile health subthreshold exercise intervention for treating persistent post-concussive symptoms in youth,*



*examine the long-term effects on health-related quality of life, physical activity levels, and explore a novel potential mediator, fear avoidance.*

## Major Past Awards

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.*

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: 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 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.*



School of Medicine  
and Public Health  
UNIVERSITY OF WISCONSIN-MADISON

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

Source: NIH/NICHD 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: 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: 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: 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: 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): 10/1/2012-12/31/2013

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: 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): 10/1/2013-03/31/2015

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: 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: 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: 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: 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 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: 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: Concussion Assessment, Research and Education (CARE) Consortium  
CARE 1.0 – Clinical Study Core  
Source: NCAA-DOD Grand Alliance  
Amount: \$308,096  
Year(s): 8/1/2014-9/14/2017  
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.*

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: 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: The NCAA-DOD Grant Alliance: Concussion Assessment, Research, and Education (CARE) Consortium CARE 1.0 – Advanced Research Core

Source: Medical College of WI/DOD

Amount: \$613,033

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.*

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: 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: 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: 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: Concussion Assessment, Research and Education (CARE) Consortium  
CARE 2.0 – Clinical Study Core

Source: NCAA-DOD Grand Alliance

Amount: \$326,744

Year(s): 9/15/2017-02/28/2021

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.*

Title: The NCAA-DOD Grant Alliance: Concussion Assessment, Research, and Education (CARE) Consortium CARE 2.0 – Advanced Research Core

Source: Medical College of WI/DOD

Amount: \$595,779

Year(s): 4/1/2018-08/31/2021

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.*



Title: Evaluating the Impact of Training Volume, Sleep and Well-Being on Injury Risk in Youth Runners

Source: UW Department of Orthopedics Freedom of Movement Fund

Amount: \$50,000

Year(s): 7/1/2021-6/30/2022

PI: Kliethermes

Role: Co-I

Effort: 2.5%

*This study aims to determine the effect of running volume, sleep duration and quality, and stress and fatigue on running-related injuries among high school cross country runners.*

Title: The Effect of Mindfulness Training on Patient Reported Outcomes Following Anterior Cruciate Ligament Reconstruction

Source: University of Wisconsin Department of Orthopedics Freedom of Movement Award

Amount: \$50,000

Year(s): 1/1/2022 – 12/30/2022

PI: Watson

Role: Co-I

Effort: 5%

*The goal of this study is to conduct a pilot data collection evaluating the efficacy of a remote mindfulness training application to improve outcomes following ACL Reconstruction in adolescents and young adults*

## Pending Proposals

Title: Validation of a Point of Care Diagnostic Test for Sports Related Concussion

Source: NIH R01

Amount: \$120,000 (UW-Madison site)

Years(s): 12/1/2022-11/30/2026

PI: Conley

Role: site PI

Effort: 5%

*The goal of this study is to establish normative values of concussion biomarker ubVILIP-1 and demonstrate increased concentrations following concussion consistent with clinical metrics*

Title: Remote Mindfulness After Anterior Cruciate Ligament Reconstruction Surgery

Source: ICTR Translational Basic & Clinical Pilot Program

Amount: \$50,000

Year(s): 7/1/2022 – 06/30/2023

PI: Watson

Role: Co-I

Effort: 5%

*The goal of this study is to determine the influence of mindfulness training on patient-reported outcomes and readiness to return to physical activity following ACL-R surgery*



Title: The Influence of Mindfulness on Return to Sport and Patient-Reported Outcomes Following Anterior Cruciate Ligament Reconstruction Surgery  
Source: American Medical Society for Sports Medicine Stephen Katz Bridge to R34 Award

Amount: \$150,000  
Year(s): 7/1/2022 – 06/30/2024  
PI: Watson  
Role: Co-I  
Effort: 5%

*The goal of this study is to evaluate the efficacy of this mindfulness intervention and the factors that influence both efficacy and participant compliance following ACL-R*

Title: The Effects of Injuries on Mental Health and Attrition from Sport in Youth Athletes  
Source: American Medical Society for Sports Medicine Collaborative Research Network

Amount: \$300,000  
Year(s): 7/1/2023 – 6/30/2025  
PI: Watson  
Role: Co-Investigator  
Effort: 10%

*The goal of this study is to support external grants to evaluate the effects of injuries on quality of life, mental health disorders and attrition from sport among adolescent athletes*

Title: The Effects of Sport Specialization on Injury and Quality of Life in High School Athletes

Source: National Institutes of Health, National Institute for Arthritis, Musculoskeletal and Skin Diseases (R01)  
Amount: \$300,000 annually  
Year(s): 7/1/2022 – 6/30/2027  
PI: Bell  
Role: Co-Investigator  
Effort: 5%

*The goal of this study is to determine how sport specialization influences injury risk, as well as how specialization and injury independently influence quality of life in a large population of adolescent athletes.*

### Educational Activities & Presentations

Classroom Teaching (graduate & undergraduate)						
Years	Course Title	Credits	Students	Grade Distribution	Contact Hours	Format
2005	HSERV 590 Research Methods Course,		~30		1 x 50 min	Lecture (University of Washington)



	"Survey Methods"					
2005, 2006	ORTHP 585 Sports Medicine Course, "Pediatric Sports Injuries"		~75		1 x 50 min	Lecture (University of Washington)
2005, 2006	Human Biology 553, Musculoskeletal Anatomy		~15		50 min/wk x 8 weeks	Small group (University of Washington)
2007-2009	Kinesiology 457: Medical Aspects of Exercise and Sport, "Sport Psychology"	3	~20		1 x 2 hrs	Lecture
2007-2021	Kinesiology 457: Medical Aspects of Exercise and Sport, "Disordered Eating in the Athlete"	3	~20		1 x 60 min	Lecture
2007-2021	Kinesiology 457: Medical Aspects of Exercise and Sport, "Medical Issues in the Female Athlete"	3	~20		1 x 60 min	Lecture
2007-2021	Kinesiology 457: Medical Aspects of Exercise and Sport, "Physical Exam Skills"	3	~20		1 x 2 hrs	Small group
2022-present	Kinesiology 654/655: Clinical Medicine in Athletic Training I and II, "Concussion"	3	~20		1 x 2 hrs	Lecture

**Guest Lectures** (graduate & undergraduate)

Years	Course Title	Credits	Students	Contact Hours	Format
2008, 2009	Kinesiology 499 – Seminar in Athletic Training, "Five Things to Remember When Caring For the Adolescent Athlete"	1	~20	1 x 60 min	Lecture



2009	Soil Science 375: Metrics for a Healthy City, "Bone Health and Exercise"		~10	1 x 60 min	Lecture
2016	Kinesiology 475: Seminar in Athletic Training, "A Team Approach to Patient-Centered Care"	1	~20	1 x 60 min	Seminar

<b>Medical School Teaching</b>						
Years	Course Title	Credits	Students	Grade Distribution	Contact Hours	Format
2006-2016	PDS (Patient, Doctor, Society) 1, 2, 3		3-4		1 hr x 4/yr	Small group
2010-2016	Medical Sciences 622-728: "Public Health Burden of MSK Disease"		~100		1 x 20 min	Lecture
2010-2016	Medical Sciences 622-728: Integrated Musculoskeletal System		~25		2 hrs x 4/yr	Small group
2017	Mind and Motion		~25		2 hrs x 4/yr	Small group

<b>Clinical Teaching</b> (postgraduate trainees/clinical trainees, including fellows and residents)			
Years	Trainee Name	Face-to-Face Contact Hours	Teaching Context*
2008-2009	Andrew Peterson, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2008-2015	Pediatric Residents, PGY1-PGY3	5 hrs per resident per week	UW Health GPAM Pediatric Urgent Care Clinic
2008-2015	Medical students, Year 3 and 4	5 hrs per student per week	UW Health GPAM Pediatric Urgent Care Clinic
2008-present	Athletic Training students	2 hrs per student per week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2008-present	Physical therapy students	4 hrs per student per month	UW Health Sports Medicine Clinic
2008-present	Medical Students, Year 3 and 4	32 hrs per student for 2 week rotation	UW Health Sports Medicine Clinic
2008-present	Residents from Pediatrics, Internal Medicine, Family Medicine, Emergency Medicine, PGY2, PGY3	10 hrs per resident per week	UW Health Sports Medicine Clinic UW Athletics sports coverage
2008-present	Family Medicine residents	4 hrs, once per year	Musculoskeletal exam skills (knee, shoulder); Observed Structured Clinical Exam





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2009-2010	David Smith, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2010-2011	Katherine Dahab, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2011-2012	Kyle Nagle, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2012-2013	Masaru Furukawa, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2013-2014	Andrew Watson, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2014-2015	Jeremy Johnson, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2015-2016	Erin Hammer, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2015- present	Athletic Training residents	8 hrs per resident per week	UW Health Sports Medicine Clinic
2016-2017	Luci Olewinski, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2017-2018	Todd Domeyer, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2018-2019	Matt Brown, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2019-2020	Adam Norton, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2020-2021	Phil Sasser, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2021-2022	Tom Harris, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage
2022-2023	Adam Pfaller, MD, Sports Medicine fellow	15 hrs/week	UW Health Sports Medicine Clinic McClain Sports Medicine Center UW Athletics sports coverage

<b>Local Continuing Medical Education Courses</b>				
Years	Course Title	Students	Hours	Sponsor - Venue
2006, 2007	Anaphylaxis, EpiPen Use, and Care of the Diabetic Athlete.	~20	30 min	Athletic Training In-Service, UW Health Sports Medicine
8/06	Exercise Testing In Adults	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine



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10/06	Bony Injuries in the Skeletally Immature Athlete	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
3/07	Sickle Cell in the Athlete	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
4/19/07	Sickle Cell in the Athlete	~50	1hr	Grand Rounds, UW Department of Pediatrics
5/07	Skin Disorders in the Athlete	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
6/07	Overuse Injuries in the Elbow	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
10/07	Sports Nutrition	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
11/07	Eye Injuries in Sports	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
2/08	Foot Pain in Athletes	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
4/08	Use of Manual Medicine and CAM in Musculoskeletal Medicine	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
4/10/09	Bone Health in Cyclists	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
1/29/10	Ice Hockey Update: Hot Topics in a Cold Sport	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
7/15/10	Engineering Young Athletes: Genetic Testing in Youth Sports	~75-100	1hr	Grand Rounds, UW Department of Pediatrics
12/10/10	Genetic Testing for Sports Performance and Sports Injury	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
11/11/11	(Cost)-Effective Prevention of Acute Ankle Injuries	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
3/29/13	Top 5 Sports Medicine Articles of 2012	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
10/11/13	Too Young To Run – The Child Marathoner	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
10/17/13	Would (Should) You Let Your Child Play Football?	~75-100	1hr	Grand Rounds, UW Department of Pediatrics
6/11/14	Is There “Concussion-proof” Equipment for Youth Sports?	~75-100	1hr	Grand Rounds, UW Department of Orthopedics & Rehabilitation
9/15/16	Does Youth Sport Specialization Do Harm?	~75-100	1hr	Grand Rounds, UW Department of Pediatrics
1/6/17	Post-Concussion Motor Impairments and Subsequent	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine



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	Musculoskeletal Injury Risk after Return to Play			
11/20/19	Hot (and Controversial) Topics in Sports Medicine	~75-100	1hr	Grand Rounds, UW Department of Orthopedics & Rehabilitation
10/2/20	Cycling Potpourri	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
8/27/21	Purposeful Heading in Youth Soccer: The Good, the Bad, and the Unknown	~50	1hr	Sports Medicine Conference, UW Division of Sports Medicine
9/23/22	Protective Equipment in Youth Sports	~50	1 hr	Sports Medicine Conference, UW Division of Sports Medicine

<b>UWSMPH/Hospital</b>				
Years	Course Title	Students	Hours	Sponsor - Venue
2/17/09	Bone Health in Cyclists	~30	1hr	UW Cycling Symposium, UW Health Sports Medicine Center
3/3/09	Nerve Injuries in Cyclists	~30	1hr	UW Cycling Symposium, UW Health Sports Medicine Center
2/24/10	Bone Health in Cyclists	~30	1hr	UW Cycling Symposium, UW Health Sports Medicine Center
10/30/10	Medical Issues in the Female Athlete	~40	1hr	UW Sports Medicine Education Series, UW Health Sports Medicine Center
12/11/12	Physical Play in Youth Ice Hockey: Has The Game Changed?	~40	1hr	UW Health Hockey Education Program, Madison, WI
9/19/13	Too Young To Run – The Child Marathoner	~20	25 min	American Family Children’s Hospital Pediatric Advisory Council Meeting
3/2/14	Reducing ACL Injuries in Female Soccer Athletes	~30	30 min	UW Health Sports Medicine Lower Extremity Injury Reduction Program
4/1/16	Sport Specialization and Risk of Injury in Youth Sports	~100	25 min	UW Orthopedics Pediatric Sports Medicine Visiting Professor Lectureship, UW School of Medicine & Public Health, Department of Orthopedics and Rehabilitation
4/5/18	Concussion Q & A	~20	1hr	UW Cycling Club, University of Wisconsin-Madison

<b>Regional Continuing Medical Education Courses</b>				
Years	Course Title	Students	Hours	Sponsor - Venue
2003	The Will or The Pill To Win: A Look at Performance Enhancing Drugs	~100	1 hr	Grand Rounds, Children’s Hospital and Regional Medical Center, Seattle, WA



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2006	The Role of Physical Activity in the Treatment and Prevention of Obesity	~200	30 min	Seminars in Pediatrics, Department of Pediatrics, University of Wisconsin, Madison, WI
5/10/07	Pediatric Participation Guidelines	~200	30 min	UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison, WI
5/8/08	Pars Defect in the High School Athlete	~200	30 min	UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison, WI
5/9/08	OCD Lesions of the Knee	~200	30 min	UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison, WI
9/18/08	Skiing and Snowboarding Injuries in Children and Adolescents	~200	30 min	Seminars in Pediatrics, Department of Pediatrics, University of Wisconsin, Madison, WI
4/8/09	Common Youth Sports Injuries: Evaluation and Management	~50	1 hr	Mile Bluff Medical Center CME, Mauston, WI
12/16/09	Assessment of Musculoskeletal Complaints in Primary Care: Pearls and Pitfalls	~50	1 hr	Mile Bluff Medical Center CME, Mauston, WI
4/8/10	Exercise Prescription for Bone Health	~200	30 min	UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison, WI
11/5/10	What's Different about the Pediatric Athlete	~200	30 min	Orthopedic and Sports Medicine Review for the Pediatric Provider, Wisconsin Dells, WI
11/6/10	Stress Fractures	~200	30 min	Orthopedic and Sports Medicine Review for the Pediatric Provider, Wisconsin Dells, WI
9/7/13	ACL Injury Prevention Programs	~50	1 hr	Sauk Prairie Memorial Hospital & Clinics Roundtable Discussion, Prairie du Sac, WI
2/5/14	Is There "Concussion-proof" Equipment for Youth Sports	~100	20 min	UW-Madison Athletic Training Program Alumni and Friends Day Symposium, Madison, WI
5/8/14	Vitamin D Recommendations for Fracture	~200	30 min	UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison, WI
9/19/14	Advocating for the Young Athlete in the Genomic Era	~200	30 min	Seminars in Pediatrics, Department of Pediatrics, University of Wisconsin, Madison, WI



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9/23/14	Reducing ACL Injuries in Female Athletes	~50	1hr	Sauk Prairie Memorial Hospital & Clinics Grand Rounds, Prairie du Sac, WI
5/5/16	Concussion Update	~200	30 min	UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison
10/18/16	Bony Injuries in the Skeletally Immature Athlete	~50	1hr	Sauk Prairie Memorial Hospital & Clinics Grand Rounds, Prairie du Sac, WI
1/23/17	Update on Concussion	~50	1hr	Grand Rounds, Divine Savior Healthcare, Portage, WI
2/25/17	Injury Prevention through Sport Performance Training and Athlete Development.	~35	45 min	UW Health ACL Injury Prevention Clinic, The American Center, Madison, WI
10/6/17	Is Artificial Turf A Risk Factor For Injury And Other Bad Things?	~100	45 min	Aurora BayCare Sports Medicine Symposium, Green Bay, WI
10/6/17	Concussion Research Update	~100	45 min	Aurora BayCare Sports Medicine Symposium, Green Bay, WI
12/19/17	Youth Sport Specialization: The Good, The Bad, and The Ugly	~50	1hr	Sauk Prairie Memorial Hospital & Clinics Grand Rounds, Prairie du Sac, WI
3/23/18	Does early Sport Specialization Do Harm?	~150-200	1hr	Washington University 11 <sup>th</sup> Annual Sports Medicine Update, St. Louis, MO
3/23/18	Highlights and Clinical Implications from the NCAA-DoD Care Consortium Concussion Study	~150-200	1hr	Washington University 11 <sup>th</sup> Annual Sports Medicine Update, St. Louis, MO
12/11/20	Highlights and Clinical Implications from the NCAA-DoD Care Consortium Concussion Study	~100-120	1hr	Stead Family Department of Pediatrics Grand Rounds, University of Iowa
5/6/21	Concussion update	~200	30 min	UW Sports Medicine Symposium, Division of Sports Medicine, University of Wisconsin, Madison

<b>National/International Continuing Medical Education Courses</b>				
Years	Course Title	Students	Hours	Sponsor - Venue
10/21/12-10/22/12	The Top 5 Sports Medicine Articles of 2012	~100	20 min	Council on Sports Medicine & Fitness H Program, American Academy of Pediatrics, New Orleans, LA
10/22/12	The next athletic superstar: Can genetic testing predict?	~100	30 min	Council on Sports Medicine Fitness H Program, American Academy of Pediatrics, New Orleans, LA



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10/22/12-10/23/12	Neuromuscular Training Programs: How They Work	~40	1 hr	National Conference & Exhibition, American Academy of Pediatrics, New Orleans, LA
3/10/14-3/12/14	Nature vs Nurture: Is the Prevention of Injury Born or Bred?	~50	1 hr	IOC World Conference: Prevention of Injury & Illness in Sport, Monaco
5/31/14	Injury Risk in Youth Ice Hockey: Should the Game Change?	~100	45 min	AAP Exchange Lecture - American College of Sports Medicine Annual Meeting, Orlando, FL
10/12/15	Bony Injuries Not to Miss in Kids	~80	45 min	SASMA CME on Paediatric Sports Medicine - University of Stellenbosch, Stellenbosch, South Africa
10/14/15	Pediatric Sports Injuries: Evidence-Based Prevention	~50	45 min	Post-Graduate Seminar – University of Pretoria, Pretoria, South Africa
10/15/15	Bony Injuries Not to Miss in Kids	~80	45 min	SASMA CME on Paediatric Sports Medicine - University of Pretoria, Pretoria, South Africa
10/20/15	Exercise as Medicine for Bone Health in Adolescents	~80	30 min	Exercise is Medicine Seminar – South African, Sports Medicine Association Biennial Congress, Johannesburg, South Africa
4/16/16	AMSSM Traveling Fellowship to South Africa	~1500	15 min	AMSSM Annual Meeting, Dallas, TX
6/1/17	What is the Appropriate Age to Initiate Contact Sports?	~50	1 hr	American College of Sports Medicine Annual Meeting, Denver, CO
9/21/18	The Role of Vitamin D: Screening vs Supplementation	~100	30 min	Mountain Land Running Summit, Park City, UT
9/21/18	Relative Energy Deficit in Sport (RED-S): The Good, The Bad and the Ugly	~100	45 min	Mountain Land Running Summit, Park City, UT
11/29/18	Live Demonstration of Knee Physical Exam	~500	30 min	AMSSM, AOSSM, ACSM Advanced Team Physician Course, Charleston, SC
11/29/18	Physical Exam for the Knee: What's the Evidence	~500	30 min	AMSSM, AOSSM, ACSM Advanced Team Physician Course, Charleston, SC
12/1/18	Live Demonstration of Shoulder Physical Exam	~500	30 min	AMSSM, AOSSM, ACSM Advanced Team Physician Course, Charleston, SC
12/1/18	My Shoulder Goes "Snap": In Search of the Snapping Scapula	~500	30 min	AMSSM, AOSSM, ACSM Advanced Team Physician Course, Charleston, SC
2/7/19	Lower Extremity Injury in the Post-Concussed Athlete	~100	25 min	Big Sky Athletic Training & Sports Medicine Conference, Big Sky, MT



2/6/20	Highlights and Clinical Implications from the NCAA-DoD CARE Consortium Concussion Study	~100	25 min	Big Sky Athletic Training & Sports Medicine Conference, Big Sky, MT
2/28/20	Youth Sport Specialization and Professionalization – Pushing Kids Out of the Game for Life	~100	25 min	Joint Commission on Sports Medicine & Science Annual Meeting, Minneapolis, MN
11/18/20	Role of the Athletic Trainer	~300	20 min	AAP/POSNA Webinar, Sideline Care of the Young Athlete
2/2/2023	Protective Equipment in Youth Sports	~200	25 min	Big Sky Athletic Training and Sports Medicine Conference, Big Sky, MT

<b>Current Faculty Mentees</b>		
Years	Mentee Name	Current Position
2015-present	Drew Watson, MD MS*	Assistant Professor of Orthopedics, UW-Madison
2016-present	Stephanie Kleithermes, PhD	Assistant Professor of Orthopedics, UW-Madison
2017-present	Pamela Lang, MD	Assistant Professor of Orthopedics, UW-Madison
2017-present	Andrea Spiker, MD	Assistant Professor of Orthopedics, UW-Madison
2018-present	Erin Hammer, MD MPH*	Assistant Professor of Orthopedics, UW-Madison
2020-present	Dan Cobian, PhD PT	Assistant Professor of Orthopedics, UW-Madison
2022-present	Allison Glinka Przybysz, MD	Assistant Professor of Rehabilitation, UW-Madison

\*Denotes Dr. Brooks serves as Chair of the mentee's Promotion Oversight Committee

<b>Fellowship Mentees</b>		
Years	Mentee Name	Current Position
2008-2009	Andrew Peterson, MD MSPH	Clinical Professor, Depts of Orthopedics and Pediatrics, University of Iowa, Iowa City, IA
2009-2010	David Smith, MD	Sports Medicine Physician, Children's Hospital of the King's Daughters, Virginia Beach, VA
2010-2011	Katherine Dahab, MD	Sports Medicine Physician, Children's Hospital Colorado, Denver, CO
2011-2012	Kyle Nagle, MD MPH	Associate Professor, Dept of Pediatrics, University of Washington, Seattle Children's Hospital, Seattle, WA
2012-2013	Masaru Furukawa, MD, MS	Sports Medicine and Family Medicine Physician, Sauk Prairie Healthcare, Spring Green, WI
2013-2014	Andrew Watson, MD	Assistant Professor of Orthopedics, UW-Madison
2014-2015	Jeremy Johnson, MD, MPH	Sports Medicine Physician, The Polyclinic Madison Center, Seattle, WA
2015-2016	Erin Hammer, MD	Assistant Professor of Orthopedics, UW-Madison
2016-2017	Lucianne Olewinski, MD	Assistant Professor, Dept of Family Medicine, University of Tennessee, Knoxville, TN



2017-2018	Todd Domeyer, MD	Sports Medicine and Family Medicine Physician, Prevea Health Care, Sheboygan, WI
2018-2019	Matt Brown, MD	Sports Medicine and Family Medicine Physician, Group Health Cooperative, Madison, WI
2019-2020	Adam Norton, MD	Sports Medicine Physician, Springfield Clinic, Springfield, IL
2020-2021	Philip Sasser, MD	Sports Medicine Physician, Aurora Health Care, Milwaukee, WI
2021-2022	Tom Harris, MD	Pediatrics and Sports Medicine Physician, Genesis Health Group, Davenport, IA
2022-2023	Adam Pfaller, MD	Sports Medicine fellow, UW-Madison

<b>Residency Mentees</b>		
Years	Mentee Name	Current Position
2011-2012	Kim Hornbeck, MD	Assistant Professor, Medical College of Wisconsin Pediatrics and Sports Medicine, Children's Wisconsin Clinics, Greenfield, WI
2012-2013	Meaghan Combs, MD	Family Medicine Physician, Broadway Health Center, Cleveland, OH
2013-2014	Erin Hammer, MD	Assistant Professor, Depts of Family Medicine and Orthopedics, UW-Madison

<b>Graduate Student Mentees</b>			
Years	Mentee Name	Degree Program	Current Position
2013	Kyle Nagle, MD MPH	NRSA Primary Care Research Fellowship	Associate Professor, Dept of Pediatrics, University of Washington, Seattle Children's Hospital, Seattle, WA
2014	Erin Hammer, MD	NRSA Primary Care Research Fellowship	Assistant Professor, Depts of Family Medicine and Orthopedics, UW-Madison
2015	Andrew Watson, MD	NRSA Primary Care Research Fellowship	Assistant Professor, Dept of Orthopedics, UW-Madison
2015	Mikel Joachim, BS	MS	Research Program Manager, Dept of Orthopedics, UW-Madison
2016	Morgan Shields, BS	PhD	Academic Program Manager, School of Kinesiology, UW-Madison
2018	Eric Post, ATC	PhD	Assistant Professor, San Diego State University, San Diego, CA
2018	Erin Hammer, MD	MPH	Assistant Professor, Depts of Family Medicine and Orthopedics, UW-Madison
2018-present	Andrew Watson, MD	KL2	Assistant Professor, Dept of Orthopedics, UW-Madison
2019	Evan Nelson, DPT	PhD	Assistant Professor, Doctor of Physical Therapy Program, UW-Madison PT
2019-present	Andrew Watson, MD	MS	Assistant Professor, Dept of Orthopedics, UW-Madison





2019-2022	Kevin Biese, ATC	PhD	Assistant Professor, UW-Oshkosh
2020-2023	Keith Knurr, DPT	PhD	In progress, UW-Madison
2020-present	Mikel Joachim, MS	PhD	In progress, UW-Madison
2020-present	Jen Sanfilippo, ATC MS	PhD	In progress, UW-Madison

<b>Independent Study/Research Practicum Mentees</b>			
Years	Mentee Name	Degree Program	Current Position
2008	Anna Lang	AT	Completed
2009	Tim Kufahl	MD	Completed
2009	Ashley Balts	DPT	Completed
2009	Will Adams	AT	Completed
2010	Chris Johnson	MD	Completed
2010	Nikki Burish	MD	Completed
2010	Sarah Wegner	DPT	Completed
2011	Brian Tolly	MD	Completed
2012	Brittany Trentadue	MD	Completed
2012	Jessica Rasmussen	MD	Completed
2012	Brittany Ammerman	Undergraduate	Completed
2012	Joshua Choe	Undergraduate	Completed
2013	Hannah Roeder	MD	Completed
2013	Jonathan Erickson	MD	Completed
2013	Andrew Weiderhold	MD	Completed
2013	Stefanie McKeough	Undergraduate	Completed
2014	Benjamin Mixis	MD	Completed
2014	Katie Peterson	MD	Completed
2014-2015	Kevin Biese	AT	Completed
2015	Jeremy Reikena	MD	Completed
2015	Kevin Hanneken	MD	Completed
2015	Rewais Hannah	Undergraduate	Completed
2016, 2019	Adam Pfaller	MD	Completed
2019	Allyson Resnick	Undergraduate	Completed
2021	Rachel Andrie	MD	In Progress

**Service Activities**

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

**Departmental**

2011-2018 Department of Orthopedics and Rehabilitation



UW Orthopedic Freedom of Movement Fund Scientific Advisory  
Committee

2016-present Department of Orthopedics and Rehabilitation  
Executive Committee

2019-present Department of Orthopedics and Rehabilitation  
Research Committee

2022-present Department of Orthopedics and Rehabilitation  
Academic Compensation Committee

**UWSMPH/Hospital**

2008-2010 University of Wisconsin School of Medicine and Public Health  
Musculoskeletal Oversight Committee

2009-present University of Wisconsin Division of Intercollegiate Athletics  
Badger Athletic Performance Program

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

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

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

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

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

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

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

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

2017 UW-Madison, Department of Radiology, Musculoskeletal Imaging  
and Intervention Section



Member, MSK Search Committee

## Community

- 2010-present Dane County Sports Medicine Council, WI  
Vice President
- 2017-2019 Westside PTO – MMSD, Madison, WI  
Member
- 2019-present Outdoor Education Committee, Crestwood Elementary,  
Madison Metropolitan School District, Madison, WI

## Regional

- 1996-2000 University of Tennessee-Memphis  
Aid to Impaired Medical Students Committee
- 2002-2003 Children's Hospital and Regional Medical Center, Seattle, WA  
Patient Safety Committee
- 2005 Seattle Public Schools, Seattle, WA  
Co-chair, Fitness Committee

## National/International

### National

- 2007-present Member, Council on Sports Medicine & Fitness, American  
Academy of Pediatrics
- 2008-present Member, Abstract and Young Investigator Grant Reviewer,  
Research Committee, American Medical Society for Sports  
Medicine
- 2008-present Member, AMSSM Pediatric Sports Medicine Special Interest  
Group
- 2010-2013 Consultant, Visual Health Information, Inc., Tacoma, WA
- 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,  
*Measurement and Simulation of Biarticular Muscle Function  
During Human Walking*



School of Medicine  
and Public Health

UNIVERSITY OF WISCONSIN-MADISON

- 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
- 2012-2018 Elected Member, Executive Committee, Council on Sports Medicine & Fitness, American Academy of Pediatrics
- 2013-2017 Data Collection Working Group, Big Ten/CIC-Ivy League TBI Research Collaboration
- 2014-2017 Consultant, PATH-IN (Physical Therapy vs Internet-Based Exercise Training for Patients with Knee Osteoarthritis) PCORI Stakeholder Panel
- 2014-2018 CME Coordinator and Program Chair, Committee on Sports Medicine & Fitness, American Academy of Pediatrics, H Program and NCE Program
- 2014-2021 Site Investigator, NCAA-DOD Grand Alliance CARE Consortium
- 2015 Grant Reviewer, Seattle Children's Pediatric Early Career Development Award
- 2015-2018 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
- 2016-2019 Moderator, Podium Presentations, Rising with Research and Oral Research Poster Presentations, American Medical Society for Sports Medicine Annual Meetings
- 2018-present Member, Operating Committee, NCAA-DOD Grand Alliance CARE Consortium



- 2018-2019 Writing Group Member, The Effect of Youth Sport Specialization on Injury, Health and Physical Activity, YESS Research Summit, AMSSM CRN
- 2019 Faculty, Moderator, Youth Early Sport Specialization Summit, AMSSM CRN, Houston, TX, April 12, 2019
- 2019-2023 Chair of Executive Committee, Council on Sports Medicine & Fitness, American Academy of Pediatrics
- 2019-present Member, AMSSM Youth Sports Advocacy Team
- 2020-present Member, Advisory Committee, AMSSM Collaborative Research Network
- 2020-2021 AAP-AMSSM-NATA COVID Working Group
- 2022-present Site PI, Ivy League-Big Ten Epidemiology of Concussion Study

### International

- 2016-2022 Section Editor, Special Populations section, *Current Sports Medicine Reports*
- 2017-2019 Special Editor, thematic issue, Care of the Pediatric Athlete, *Clinical Journal of Sports Medicine*, September 2019

Manuscript reviewer for the following journals:

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

### Other Community Activities



- 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
- 2009-2018 Sponsorship Coordinator, Mad City Velo Masters Cycling Club, Madison, WI
- 2011 Presentation, "Fit to a T: Understanding Bone Health". US Bone & Joint Initiative, Verona Public Library, Verona, WI, 5/10/11
- 2011 Guest Speaker, "Training With Champions: Lessons Learned". 31<sup>st</sup> Annual High School Soccer Banquet, Optimist Club of Downtown Madison, Inc. Madison, WI, 11/2/11
- 2011 Guest Speaker, "Concussions in Youth Ice Hockey." Wildcat Youth Hockey Association Meeting, Waunakee High School, WI, 11/30/11
- 2011 Presentation, "Skiing and Snowboarding Injuries and Prevention." Tyrol Ski Basin, WI, 12/18/11
- 2012-2016 Member, Parent Advisory Committee, The Learning Gardens Child Development Center
- 2021-present Coach, USA Hockey CEP Level 2, U10, West Madison Youth Hockey Association, Madison, WI

### **Sports Medicine Event Coverage**

- 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



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UNIVERSITY OF WISCONSIN-MADISON

- 2012 USA Cycling Cyclocross National Championships, Madison, WI
- 2017 Trek CXC Cup, Waterloo, WI
- 2019-present Team physician, Forward Madison FC, USL League One, Madison, WI
- 2021-present Team physician, Madison Radicals, American Ultimate Disc League, Madison WI
- 2022 Chief Medical Officer, IIHF U18 Women's Ice Hockey World Championships, Madison, WI