

Research Projects

1988-90: William Primos, MD, and Greg Landry, MD, completed a pilot project looking at spleen size and infectious mononucleosis. This study was presented as an abstract before the Ambulatory Pediatric Association, Adolescent Medicine (Joint Session with APS/SPR) in Anaheim, CA in 1990. This important study is used by sports medicine and primary care physicians when advising an athlete suffering from infectious mononucleosis in return to their sport.

1990-92: Jorge Gomez, MD, Greg Landry, MD, and David Bernhardt, completed a study looking at the usefulness of the two minute orthopedic screening exam as a screening tool in the preparticipation physical exam. This study was published: Critical Evaluation of the Two-Minute Orthopedic Screening Examination. American Journal of Diseases in Children 1993; 147:1109-13.

1992-94: David Bernhardt, MD completed a pilot study looking at potential markers of bone mineral density in amenorrheic athletes. This study was funded by the General Clinical Research Center and Department of Pediatrics Research and Development Funds. The study involved several faculty in the medical school. This study was presented at the American Medical Society for Sports Medicine National Meeting, June 1996, Orlando, FL.

1994-96: Cyd Charisse Williams, MD did not complete a project on prevention of second teen pregnancy due to lack of funding.

1996-98: Wendi Johnson, MD completed a pilot project on a mini neuropsychological test to establish baseline data that can be followed up after head injury among UW soccer players.

1998-99: Teri Metcalf, MD started a double-blind placebo controlled cross-over study on the usefulness of a topical anti-inflammatory agent for lateral epicondylitis.

2000-2002: Kathleen Carr, MD completed a project on exercise in the postpartum period, "Factors Influencing Physical Activity by Postpartum Women."

2002-2004: Rebecca Demorest, MD researched sports medicine education in pediatric residency programs and her findings were published in Pediatrics in 2005.

2004-2006: Kelsey Logan, MD researched blood pressures taken during pre-participation physicals and how abnormal blood pressures were followed. Her results were exhibited at the 2006 AMSSM National Meeting.

2006-2008: Margaret Alison Brooks, MD, MPH conducted a pilot study evaluating musculoskeletal outcome instruments in adolescent athletes with low back pain. She submitted this pilot data in her NIH K23 Career Development Award grant application. Dr. Brooks also completed a study on skiing and snowboarding injuries in terrain parks, which was presented at the 2nd World Congress on Sports Injury Prevention in Tromso, Norway, June 2008.

2006-2008: John Wilson, MD conducted a pilot research project investigating the efficacy of hydrotherapy and physical therapy for the treatment of knee osteoarthritis. The results of this pilot project were presented as a poster at the 2007 Wisconsin Physical Therapy Association annual meeting in Lake Geneva, WI. Dr. Wilson also conducted a research project investigating AED prevalence and emergency preparedness for sudden cardiac arrest in Wisconsin high schools. Preliminary findings were presented as a poster at the 2008 AMSSM annual meeting in Las Vegas, NV.

2007-2010: Andrew Peterson, MD conducted a pilot research project about office-based clinical intervention using motivational interview techniques to treat pediatric under-fitness and obesity.

2009-2011: David Smith, MD is conducting a research project on "The effect of concussion on academic and school performance in the adolescent," for which he received a Thrasher Research Fund Early Career Award.

2010-2011: Katherine Dahab, MD completed a retrospective chart review in collaboration with musculoskeletal radiology at UW for a project focusing on the clinical findings associated with MRI changes of Hoffa's fat pad. The abstract was presented at ISS 9/2011 and research paper was accepted for publication in AJR. She also worked on a multi-center study assessing the perception of pressure in youth sports.

2012-2013: Masaru Furukawa, MD conducted a study looking at whether or not bicycle helmets effectively prevent head injuries in bicyclists treated at UW Hospital. Analysis was completed, a poster was presented at AMSSM and an abstract was accepted for presentation at the 2013 AMSSM conference. The manuscript for this work will be submitted to Injury Prevention. He also conducted an IRB approved study regarding sudden deaths in triathletes. The data from the survey which was electronically mailed to ~1500 race directors across the country is now being analyzed and the findings were submitted for AMSSM 2014.

2015-16: Erin Hammer, MD conducted a case-control study to investigate the association between contraception use and ACL tear in female athletes. The abstract was presented at the 2017 AMSSM meeting. She also conducted a study to evaluate the association between the Female Athlete Triad Cumulative Risk Assessment tool and the development of bone stress injuries in University of Wisconsin athletes. This abstract was presented at the 2016 AMSSM meeting.

Publications

Primos WA, Landry GL. "Fighting Fads in Sports Nutrition", Contemporary Pediatrics 1989; 6(9): 14-50.

Primos WA, GL. Anabolic Steroid Abuse. Advances in Pediatrics 1990; 37: 185-205. [PMID: 2264527](#)

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Landry GL, **Bernhardt DT**, Helwig DC, and Darcey B. False Positive Drug Test for Morphine: A Medical Detective Story. The Physician and Sportsmedicine, 1994; 22(2):93-5.

Bernhardt DT, Landry GL. Chest Pain in Pediatrics. The Physician and Sportsmedicine, 1994; 22(6): 70-85.

Williams CC, Bernhardt DT. Syncope in Athletes. Sports Medicine 1995; 19(3): 223-34. [PMID: 7784760](#)

Johnson WA, Bernhardt DT. Exercise Induced Asthma. Orthopedic Physical Therapy Clinics of North America 1998; 7(1): 91-107.

Johnson WA, Landry GL. Osgood-Schlatter Disease and Sindig-Larsen-Johansson Disease. Essence of Office Pediatrics, Stockman and Lohr, edit WB Saunders, 2001.

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Carr KE, Graf BK. Alcohol and athletes: a high-risk combination for binge drinking. Sports Medicine Update. Spring 2001: 4-5.

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Demorest RA, Bernhardt DT, Best TM, and Landry GL. Pediatric Residency Education: Is Sports Medicine Getting Its Fair Share? Pediatrics 2005; 115(1):28-33. [PMID: 15629978](#)

Best TM, **Wilson JJ**: Skeletal muscle and tendon. In: Johnson DH, Pedowitz RA (eds). Practical Orthopaedic Sports Medicine & Arthroscopy. Philadelphia: Lippincott Williams & Wilkins, 37-50, 2007.

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Wilson JJ. Repetitive Strain Injury. Physician Information and Education Resource (PIER). American College of Physician Web-based decision support tool. 2007.

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Wilson JJ, Theis S, Wilson EM. Evaluation and Management of Vocal Cord Dysfunction in the Athlete. Current Sports Medicine Reports. 2009;8(2):65-70. [PMID: 19276905](#)

Brooks MA, Schiff MA, Koepsell TD, Rivara FP. Prevalence of Preseason Conditioning Among High School Athletes in Two Spring Sports. Medicine and Science in Sports and Exercise. 2007; 39(2): 241-247. [PMID: 17277587](#)

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](#)

Brooks MA, Bernhardt DT. "Growth and Motor Development" in Pediatric Orthopedics for Primary Care, AAP, 2008

Brooks MA. "Sever's Disease" in Encyclopedia of Sports Medicine, Sage Publications, 2008.

Nagle KB, Brooks MA. "A Systematic Review of Bone Health in Cyclists. Sports Health, 2011 May; 3(3): 235-243. [PMID: 22164312](#)

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Abstracts

Primos WA, Landry GL. The Course of Splenomegaly in Infectious Mononucleosis. Presented before the Ambulatory Pediatric Association, Adolescent Medicine (Joint Session with APS/SPR), Anaheim, CA 1990.

Gomez JE, Weatherly M, Landry GL. Dyspnea After Running. Physician Case for American College of Sports Medicine, Orlando, FL 1991.

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Bernhardt DT, Landry GL, Utery D. Near Syncope in a Twelve Year Old Soccer Player. American College of Sports Medicine, Seattle, WA 1995.

Bernhardt DT, Landry GL, et al. Bone mineral markers as predictors of altered bone mineral density in amenorrheic athletes. Presented at the AMSSM National Meeting, Orlando, FL, June 1996.

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Wilson JJ. Hematoma in a Football Player: Idiopathic Thrombocytopenic Purpura. Medicine & Science in Sports & Exercise. 2006; 38(5) Supplement.

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Nemeth BA, **Brooks MA**, Peterson S, Clark RR, Sullivan J, Allen DB, Carrel A. "Overweight children less likely to attain true VO₂ peak using heart rate criterion than lean children." Poster presentation at American College of Sports Medicine Annual Meeting, May 30-June 2, 2007, New Orleans, LA

Brooks MA, Rivara FP. "Evaluation of Skiing and Snowboarding Injuries in Terrain Parks." World Congress on Sports Injury Prevention, June 26-28, 2008, Tromso, Norway.

Smith DV, **Wilson JJ**, Rahko PS, Jacobson K. Identification of Previously Undetected Hypertrophic Cardiomyopathy Using a 5-Minute Screening Echocardiogram for Athletes. Clinical Journal of Sport Medicine. 2010;20(2):164.

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." American Medical Society for Sports Medicine Annual Meeting, April 17-21, 2013.

Furukawa M. "Swimming associated shortness of breath in a Triathlete." American Medical Society for Sports Medicine Annual Meeting, April 17-21, 2013

Watson A. Maturational Differences in Fitness Development in Children. Podium presentation at University of Wisconsin Sports Medicine Symposium; Madison, WI, May 2014.

Watson A, Eickhoff J, Nemeth B, Carell A. BMI and VO2max, but Not Body Fat Percentage, Are Independently Related to Insulin Sensitivity in Non-Obese Children. Podium presentation at American Medical Society for Sports Medicine National Meeting; New Orleans, LA, April 2014.

Watson AM, Wilson JJ. Insidious Vision Loss in a Collegiate Football Player. Podium presentation at American Medical Society for Sports Medicine National Meeting; New Orleans, LA, April 2014.

Watson A. Identifying the Mechanisms of Maturational Differences in Fitness Development in Children. University of Wisconsin Department of Pediatrics Grand Rounds; Madison, WI, March, 2014.

Hammer E, Watson D. Preseason aerobic fitness is related to in-season injury in male collegiate hockey players. AMSSM Annual Meeting, 2016. Dallas, Texas.

Hammer E, Sanfilippo JL, Kelsey A, Parks RB, DeSouza T, Carr K, Brooks MA. Association between Female Athlete Triad Cumulative Risk Assessment and in-season stress fracture in collegiate cross-country athletes. AMSSM Annual Meeting 2016. Dallas, Texas.

Hammer E, McGuine T, Hetzel S, Brooks MA. Risk of Sport-Related ACL Tear with Hormone-Containing Contraceptive Use in Premenopausal Women. AMSSM Annual Meeting 2017. San Diego, California.

Funding of Research Projects

The Sports Medicine Classic Grant and UW General Clinical Research Center funds are available for funding of fellows' research projects.

Present Positions of Past Fellows

William Primos, MD, 1988-90, is in private sports medicine practice in Charlotte, NC.

Jorge Gomez, MD, 1990-92, is an Assistant Professor of Pediatrics, University of Texas-San Antonio, specializing in Adolescent and Sports Medicine. He is presently a Robert Wood Johnson Scholar in the Generalist Faculty Initiative Program.

David Bernhardt, MD, 1992-94, is a Professor of Pediatrics at the University of Wisconsin in General Pediatrics and Sports Medicine and is the Co-Director of the University of Wisconsin Primary Care Sports Medicine Fellowship Program. He is a team physician for the UW Athletic Department.

Cyd Charisse Williams, MD, 1994-96, is in private practice in St. Louis, Missouri.

Wendi Johnson, MD, 1996-98, is in private practice at CentraCare Women and Children's Clinic in St. Cloud, Minnesota.

Teri McCambridge, MD, 1998-99, Associate Professor of Pediatrics, Cincinnati School of Medicine. Division Director of Sports Medicine, Cincinnati Children's Hospital, Cincinnati, Ohio.

Kathleen Carr, MD, 2000-02, is an Associate Professor in Family Medicine and Orthopedics and Rehabilitation at the University of Wisconsin. She is also the Co-Director of the University of Wisconsin Primary Care Sports Medicine Fellowship Program, former Associate Director of the University of Wisconsin Department of Family Medicine Madison Residency Program (2006-13), and a team physician for the UW Athletic Department.

Rebecca A. Demorest, MD, 2002-04, is currently in private practice at Webster Orthopedics outside of San Francisco, CA. She was previously Medical Director of Sports Medicine at Children's Hospital & Research Center Oakland in Oakland, CA, an attending at The Women's Sports Medicine Center at Hospital for Special Surgery in New York, New York and Medical Director of Sports Medicine at Children's National Medical Center in Washington, DC. She is currently a team physician for the US National Rowing Team and Oakland Strokes Rowing Association.

Kelsey Logan, MD, 2004-06, is Assistant Professor of Internal Medicine and the Medical Director of the Sports Concussion Program at the Ohio State University. She is the team physician for OSU wrestling, gymnastics, and fencing.

Alison Brooks, MD, MPH, 2006-08, is an Assistant Professor in Orthopedics and Rehabilitation at the University of Wisconsin. She is a team physician for the UW Athletic Department.

John Wilson, MD, MS, 2006-08, is an Assistant Professor in Family Medicine and Orthopedics and Rehabilitation at the University of Wisconsin. He is a team physician for the UW Athletic Department.

Andrew Peterson, MD, 2007-10, is an Assistant Professor in Pediatrics and Orthopedics at the University of Iowa. He is a team physician for the University of Iowa Athletics Program.

David Smith, MD, 2009-11, is an Assistant Professor of Pediatrics, Division of Sports Medicine, Children's Hospital Kings Daughters, Norfolk, Virginia.

Katherine Dahab, MD, 2010-11, is a Clinical Instructor in Pediatrics and Orthopedics at the University of Colorado/Children's Hospital Colorado, Denver, Colorado.

Kyle Nagle, MD, 2011-12, is a Clinical Instructor in Pediatrics and Orthopedics at the University of Colorado/Children's Hospital Colorado, Denver, Colorado.

Masaru Furukawa, MD, 2012-13, is in private practice (family medicine, sports medicine) at River Valley Medical Clinic in Spring Green, WI.

Andrew Watson, MD, 2013-14, is an Assistant Professor in Orthopedics and Rehabilitation at the University of Wisconsin. He is a team physician for the UW Athletic Department.

Jeremy Johnson, MD, MPH, 2014-15, is in private practice (family medicine, sports medicine) at The Polyclinic Madison Center in Seattle, WA. He is also an adjunct faculty member at the University of Washington.

Erin Hammer, MD, 2015-16, is the current Primary Care Research Fellow at the University of Wisconsin, part of the 3-year training option focused on preparing for a career in academic research.