

KEVIN M. GUSKIEWICZ

ADDRESS

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University of North Carolina at Chapel Hill
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EDUCATION

University of Virginia, Charlottesville, Virginia
Doctor of Philosophy, Sports Medicine, 1995
Major areas of study: Orthopedic and Neuromuscular Research
Mild Traumatic Brain Injury Research
Research Design and Statistics
Dissertation: Effect of Mild Head Injury on Postural Stability

University of Pittsburgh, Pittsburgh, Pennsylvania
Master of Science, Exercise Physiology/Athletic Training, 1992

West Chester University, West Chester Pennsylvania
Bachelor of Science, Athletic Training (NATA Approved Undergraduate Curriculum), 1989
Minor: Journalism

CURRICULUM & ADMINISTRATIVE APPOINTMENTS

College of Arts and Sciences, University of North Carolina at Chapel Hill
Senior Associate Dean for the Natural Sciences, July 1, 2013 to present

Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center, University of North Carolina at Chapel Hill
Founding Director, May 1, 2010 to present

Department of Exercise and Sport Science, College of Arts and Sciences, University of North Carolina at Chapel Hill

Kenan Distinguished Professor, 2009 to present

Department Chair, 2005 to 2013

Professor, July 1, 2004 to present

Academic Leadership Fellow, Institute for the Arts & Humanities, January to May 2008

Associate Professor, July 1, 2001 to 2004

Assistant Professor, 1995 to 2001

Director, Graduate Studies & Graduate Admissions, 1998 to 2005

Director, Sports Medicine Research Laboratory, 1996 to 2008

Director, Undergraduate Athletic Training Education Program, 1995 to 2002

Teaching Responsibilities: Gross Anatomy (graduate)
Applied Statistics & Research Design in Exercise and Sport
Science (graduate)

Human Movement Science Doctoral Seminar (graduate)
Therapeutic Modalities (undergraduate)
Evaluation of Athletic Injuries (undergraduate)
Human Anatomy (undergraduate)

Department of Physical Medicine and Rehabilitation, School of Medicine, University of North Carolina

Professor, July 1, 2013 to present

Department of Orthopaedic Surgery, School of Medicine, University of North Carolina

Professor, July 1, 2004 to present
Associate Professor, 2001 to 2004
Assistant Professor, 1998 to 2001

Department of Allied Health Sciences, School of Medicine, University of North Carolina

Adjunct Professor

Curriculum in Human Movement Science (Interdisciplinary Doctoral Program), School of Medicine, University of North Carolina

Professor

Injury Prevention Research Center, University of North Carolina at Chapel Hill

Interim Director, January 2005 to July 2005
Core Faculty Member, September 2001 to present

Curry School of Education, University of Virginia, Doctoral Student, 1992 to 1995

Instructor: Gross Anatomy Laboratory (undergraduate)
Advanced Athletic Injuries & Lab (undergraduate)
Teaching Assistant: Anatomical Basis of Sports Medicine (graduate)
Research in Athletic Training (graduate)
Seminar in Educational Research (graduate)
Research Advisor: Thesis Advisor, NATA Approved Graduate Program

St. Anne's-Belfield High School, Charlottesville, Virginia: 1992 to 1995

Athletic Training Clinical Supervisor: Supervised students seeking NATA certification
Teacher: Seventh grade Health - Nutrition/First Aid (1993)

West Chester University: 1990

Teaching Assistant: Therapeutic Modalities

UNIVERSITY ADMINISTRATIVE SERVICE

University Committee on Teaching Awards (July 2008 to January 2009)

Administrative Reviews:

Director, UNC Highway Safety Research Center (November 2010 to February 2011)
Vice Chancellor for Student Affairs (August 2008-December 2008)
Director, UNC Office of Human Research Ethics (January 2008 to May 2008)
UNC Sports Medicine Program (October 2007 to August 2008)
Dean of the UNC-Chapel Hill Graduate School (October 2004 to April 2005)
Director, UNC Injury Prevention Research Center (January 2003 to May 2004)

Faculty Executive Committee, July 2008 to December 2008 (interim appointment); July 2009 to present (elected appointment)

Administrative Search Committees:

Chancellor, UNC-Chapel Hill (September 2012 to present)
Director, Academic Support Program for Student-Athletes (September 2012 to present)
Director, UNC Sports Medicine, *Chair* (June 2009 - November 2009)
Assistant Vice Chancellor for UNC Campus Health, *Chair* (January 2006 – June 2006)
Dean, College of Arts and Sciences (May 2006 – April 2007)

Fundraising Campaign Co-Coordinator – *Stallings-Evans Sports Medicine Center* (July 2005 to May 2010)

Administrative Board of the General College, July 2008 to 2011

Administrative Board of the Graduate School, August 2000 to July 2005

CLINICAL EXPERIENCE

Athletic Trainer: University of North Carolina at Chapel Hill: Head Athletic Trainer for Women's Lacrosse (1995-1998); Clinical supervisor for undergraduate and graduate athletic training students (1995-1999); General athletic training coverage & director of the UNC concussion testing program for all UNC athletic teams (1998 to present).

Head Athletic Trainer: St. Anne's-Belfield School, Charlottesville, Virginia (1992-1995).

Graduate Assistant Athletic Trainer: Pittsburgh Steelers Football Club, Pittsburgh, Pennsylvania (1990-1992).

Clinical Athletic Trainer: Chester County Orthopaedic and Sports Physical Therapy, West Chester, Pennsylvania (1989 to 1990).

HONORS AND AWARDS

Order of the Golden Fleece, April 10, 2014

2013 Commencement Speaker, University of North Carolina, December 15, 2013.

West Chester University's Sturzebecker Hall of Fame Inductee, October 26, 2013.

2013 Distinguished Alumnus Award, Curry School of Education, The University of Virginia, October 4, 2013.

2013 Commencement Speaker & Recipient of The University of Pittsburgh's 225th Medallion, School of Health and Rehabilitation Sciences, University of Pittsburgh. April 27, 2013.

2013 TEDxUNC Speaker, Memorial Hall, University of North Carolina-Chapel Hill, February 9, 2013.

University of Pittsburgh Legacy Laureate, Distinguished Alumnus Award. October 11, 2012.

2011 December Commencement Speaker, West Chester University, December 19, 2011.

2011 MacArthur Fellow. September 20, 2011.

Sayers Bud Miller Educator of the Year. National Athletic Trainers' Association Research and Education Foundation's annual award for outstanding educator. June 20, 2008.

Clint Thompson Manuscript Award for Clinical Advancement (Bailes JE, Petschauer M, Guskiewicz KM, & Marano, G. Management of cervical spine injuries in athletes. *Journal of Athletic Training*, 2007; 42(1): 126–134. Awarded June 2008.

Kenneth L. Knight Award for the Outstanding Research Manuscript (Cavanaugh JT, Guskiewicz K, Giuliani C, Marshall S, Mercer VS, Stergiou N. Recovery of postural control after cerebral concussion: New insights using Approximate Entropy. *J Athl Train* 2006; 41(3):305-313.) Awarded June 2007.

Jack Weakley Service Award, “Helping those who help others.” College Athletic Trainers’ Society’s Annual Service Award. May 17, 2007.

Fellow in the American Academy of Kinesiology and Physical Education. September 16, 2006.

Medal for Distinguished Athletic Training Research. National Athletic Trainers' Association Research and Education Foundation's annual award for outstanding researcher. June 16, 2006.

West Chester University’s Legacy of Leadership Alumnus Award. April 30, 2005.

Fellow in the American College of Sports Medicine (FACSM). November 8, 2002.

Kenneth L. Knight Award for the Outstanding Research Manuscript - second runner-up (Guskiewicz, K.M., Ross S.E., and Marshall S.W. Postural stability and neuropsychological deficits following concussion in collegiate athletes. *Journal of Athletic Training*, 36(3), 263-273, 2001.) Awarded June 2002.

2002 Research to Reality Award Recipient, Eastern Athletic Trainers’ Association. January 8, 2002.

Stevens Visiting Professorship. University of Florida, Gainesville, FL. Awarded October 2000, Presented lectures on February 25-28, 2001.

Kevin P. Speer, MD New Investigator Award. National Athletic Trainers' Association Research and Education Foundation's annual award for outstanding young researcher. Awarded June 17, 1999.

Outstanding Faculty Award. University of North Carolina Alumni Association and Division of Student Affairs. Awarded April 15, 1998.

Kenneth L. Knight Award for the Outstanding Research Manuscript (Guskiewicz, K.M., Perrin, D.H., & Gansnedder, B. Effect of mild head injury on postural stability. *Journal of Athletic Training*, 31(4)300-306, 1996). Awarded June 1997

Junior Faculty Development Award (\$3,000) - UNC-CH Committee on Faculty Research and Study Leaves, November 27, 1995

Who's Who Among Students in American Universities and Colleges, (1989)

Swope Leadership Scholarship (1988), West Chester University

Physical Education Scholarship (1988), West Chester University

EDITORIAL BOARD APPOINTMENTS

Journal of Athletic Training, Associate Editor (2001 to 2013)

Board member (1997 to present)

Guest Editor for special issue on *Concussion in Sport* (October 2001)

Journal of Sport Rehabilitation, Board member (1995 to present); Editorial assistant (1993 to 1995)

Current Sports Medicine Reports, Board member (2010 to present)

Frontiers in Neurology, Board member (2010 to present)

Journal of American Medical Association, Reviewer (2002 to present)

Neurosurgery, Reviewer (2004 to present)

Clinical Journal of Sports Medicine, Reviewer (2003 to present)

British Journal of Sports Medicine, Reviewer (2000 to present)

Medicine & Science in Sports & Exercise, Reviewer (1998 to present)

Journal of Biomechanics, Reviewer (1998 to present)

Athletic Therapy Today, Board member (1995 to 1999)

SCHOLARSHIP

Refereed Journal Publications:

Broglio SP, Cantu RC, Gioia GA, Guskiewicz, KM, Kutcher J, Palm M, Valovich McLeod TC. (2014). National Athletic Trainers' Association Position Statement: management of sport concussion. *Journal of Athletic Training*. Epub ahead of print.

Mihalik JP, Moise KF, Ocwieja KE, Guskiewicz KM, & Register-Mihalik JK. (2014). The effects of player anticipation and involvement on head impact biomechanics in college football body collisions. *ASTM Selected Technical Papers 1552 on Symposium on the Mechanism of Concussion in Sports*. (In Press).

Ingriselli JM, Register-Mihalik JK, Schmidt JD, Mihalik JP, Goerger BM, & Guskiewicz KM. (2014). Outcomes, utility, and feasibility of single task and dual task intervention programs: Preliminary implications for post-concussion rehabilitation. *J Science and Medicine in Sport*. (In Press).

Rowson S, Duma SM, Greenwald RM, Beckwith JB, Chu JJ, Guskiewicz KM, Mihalik JP, Crisco JJ, Wilcox BJ, McAllister TW, Maerlender AC, Broglio SP, Schnebel B, Anderson S, & Brolinson PG. (2014). Can helmet design reduce the risk of concussion in football? Technical note. *Journal of Neurosurgery*. (In Press).

Kerr ZY, Evenson KR, Rosamond WD, Mihalik JP, Guskiewicz KM, and Marshall SW. Association between concussion and mental health in former collegiate athletes. *Injury Epidemiology*. (In Press).

Kerr ZY, Register-Mihalik JK, Marshall SW, Evenson K, Mihalik JP, Guskiewicz KM. Disclosure and non-disclosure of concussion and concussion symptoms in athletes: Review and application of the socio-ecological framework. *Brain Injury*. (2014), Epub ahead of print.

Siegmund GP, Guskiewicz KM, Marshall SW, DeMarco AL, and Bonin SJ. A Headform for Testing Helmet and Mouthguard Sensors that Measure Head Impact Severity in Football Players. *Ann Biomed Eng* (2014) 42:1834-1845.

Schmidt JD, Guskiewicz KM, Blackburn JT, Mihalik JP, Siegmund GP, Marshall SW (2014). The Influence of Cervical Muscle Characteristics on Head Impact Biomechanics in Football. *Am J Sports Med*. (Epub ahead of print).

Schmidt JD, Guskiewicz KM, Mihalik JP, Blackburn JT, Siegmund GP, Marshall SW (2014). Does visual performance influence head impact severity in high school football athletes. *Clin J Sports Medicine*. (In Press).

Harpham JA, Mihalik JP, Littleton AC, Frank BS, & Guskiewicz KM. (2014). The effect of visual and sensory performance on head impact biomechanics in college football players. *Annals of Biomedical Engineering*, 42(1), 1-10.

Mihalik JP, Register-Mihalik JK, Kerr ZY, Marshall SW, McCrea MC, & Guskiewicz KM. (2013). The effect of posttraumatic migraine characteristics on concussion recovery in patients following sport-related concussion. *American Journal of Sports Medicine*. 41(7), 1490-1496.

Mihalik JP, Lengas E, Register-Mihalik JK, Oyama S, Begalle RL, & Guskiewicz KM. (2013). The effects of sleep quality and quantity on concussion baseline assessment. *Clinical Journal of Sports Medicine*, 23(5), 343-348.

Casa DJ, Almquist J, Anderson SA, Baker L, Bergeron MF, Biagioli B, Boden B, Brenner JS, Carroll M, Colgate B, Cooper L, Courson R, Csillan D, DeMartini JK, Drezner JA, Erickson T, Ferrara MS, Fleck SJ, Franks R, Guskiewicz KM, Holcomb WR, Huggins RA, Lopez RM, Mayer T, McHenry P, Mihalik JP, O'Connor FG, Pagnotta KD, Pryor RR, Reynolds J, Stearns RL, & Valentine V. (2013). The Inter-Association Task Force for preventing sudden death in secondary school athletics programs: Bestpractices recommendations. *J Athletic Training*, 48(4), 546-553

Kelly DF, Chaloner C, Evans D, Mathews A, Cohan P, Wang P, Swerdloff R, Shin M-S, Lee J, Wright MJ, Kernan C, Barkhoudarian G, Yuen KCJ, Guskiewicz KM. (2014). Prevalence of pituitary hormone dysfunction, metabolic syndrome and impaired quality of life in retired professional football players: a prospective study. *J Neurotrauma*. Vol. 31, 13:1161-1171.

Mihalik JP, Moise KF, Ocwieja KE, Guskiewicz KM, & Register-Mihalik JK. (2014). The effects of player anticipation and involvement on head impact biomechanics in college football body collisions. In A. Ashare & M. Ziejewski (Eds.), *ASTM Selected Technical Papers 1552 on Symposium on the Mechanism of Concussion in Sports* (pp. 41-55). West Conshohocken, PA: ASTM International.

Randolph C, Karantzoulisa S, Guskiewicz KM. (2013). Prevalence and Characterization of Mild Cognitive Impairment in Retired National Football League Players. *JINS*. 19(08). 873-880.

Register-Mihalik JK, Guskiewicz KM, Littleton AC. (2013). Are divided attention paradigms useful in the assessment and management of sports-related concussion? *Neuropsychology Review*. 23(4). 300-314.

Ford, JH, Giovanello, KS, Guskiewicz, KM. (2013). Episodic Memory in Former Professional Football Players with a History of Concussion: An Event-Related Functional Neuroimaging Study. *J Neurotrauma*. 30(20): 1683-701.

Guskiewicz KM, Register-Mihalik JK, McCrory P, McCrea M, Johnston K, Makkissi M, Dvorak J, Davis G, Meeuwisse W (2013). Evidence-based approach to revising the SCAT2: Recommendations for the SCAT3. *British Journal of Sports Medicine*. Epub Ahead of Print, doi: 10.1136/bjsports-2013-092225.

Trinidad KJ, Schmidt JD, Register-Mihalik JK, Groff D, Goto S, Guskiewicz KM. Predicting Clinical Concussion Measures at Baseline Based on Academic Profile and Motivation. *Clin J Sports Med*. 2013; Epub ahead of print.

Mihalik JP, Lengas E, Register-Mihalik JK, Oyama S, Begalle R, Guskiewicz KM. The effects of sleep quality and sleep quantity on concussion assessment. *Clin J Sport Med*. 2013; 23(5):343-348.

Register-Mihalik JK, Linnan LA, Marshall SW, Valovich McLeod TC, Mueller FO, Guskiewicz KM. Using Theory to Understand High School Aged Athletes' Intentions to Report Sport-Related Concussion: Implications for Concussion Education Initiatives. *Brain Inj.* 2013; 27(7-8):878-886.

Register-Mihalik J, Guskiewicz KM, Valovich McLeod TC, Linnan LA, Mueller FO, Marshall S. Influence of Knowledge and Attitude on Concussion Reporting Behaviors Among High School Athletes. *J Athl Train.* 2013; 48(5): 645-563.

Mihalik JP, Register-Mihalik JK, Kerr ZY, Marshall SW, McCrea MC, & Guskiewicz KM. (2013). The effect of posttraumatic migraine characteristics on concussion recovery in patients following sport-related concussion. *American Journal of Sports Medicine*, 41(7), 1490-1496.

Register-Mihalik JK, Kontos DL, Guskiewicz KM, Mihalik JP, Conder B, Shields EW. (2012) Age-related differences and reliability on a computerized and a paper-pencil neurocognitive assessment battery. *J Athletic Training*. 47(3) 297-305.

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

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

Register-Mihalik JK, Guskiewicz KM, Mihalik JP, Schmidt JD, Kerr ZY, & McCrea MA. (2013). Reliable change, sensitivity, and specificity of a multi-dimensional concussion assessment battery: Implications for caution in clinical practice. *Journal of Head Trauma Rehabilitation*, 29(4), 278-283.

Teel ER, Register-Mihalik JK, Blackburn TJ, Guskiewicz KM. (2013). Balance and cognitive performance during a dual-task: Implications for use in concussion assessment. *Journal of Science and Medicine in Sport*, 16(3), 190-194.

McCrea, M., Guskiewicz, K.M., Randolph, C., Barr, W.B., Hammeke, T.A., Marshall, S.W., Powell, M.R., Ahn, K.W., Wang, Y., Kelly, J.P. Incidence, Clinical Course and Predictors of Prolonged Recovery Time Following Sport-Related Concussion in High School and College Athletes. *JINS*, 2012:18, 1-12.

Kerr ZY, Marshall SW, Harding HP, Guskiewicz KM. Nine-Year Risk of Depression Diagnosis Increases With Increasing Self-Reported Concussions in Retired Professional Football Players. *Am J Sports Medicine*. August 24, 2012; published online before print August 24, 2012, doi:10.1177/0363546512456193.

Schmidt JD, Register-Mihalik JK, Mihalik JP, Kerr ZY, Guskiewicz KM. Identifying Impairments After Concussion: Normative Data vs. Individualized Baselines. *Med Sci Sports Exerc*. 2012;44(9):1621-8.

Aguilar AJ, Distefano LJ, Brown CN, Herman DC, Guskiewicz KM, Padua DA. A Dynamic warm-up model increases quadriceps strength and hamstring flexibility. *J Strength Cond Res* 2012 April;26(4): 1130-41.

Casa, D.J. (co-chair), Guskiewicz, K.M. (co-chair), Anderson, S.A., Courson, R.W., Heck, J.F., Jimenez, C.C., McDermott, B.P., Miller, M.G., Stearns, R.L., Swartz, E.E., Walsh, K.M. National Athletic Trainers' Association Position Statement: Preventing Sudden Death in Sport and Physical Activity. *J Athletic Training* 2011;47(1):1–24.

Gysland S.M., Mihalik J.P., Register-Mihalik J.K., Trulock S.C., Shields E.W., & Guskiewicz K.M. The relationship between subconcussive impacts and concussion history on clinical measures of neurological impairment in collegiate football players. *Annals of Biomedical Engineering*, 2011;40(1), 14-22.

Mihalik JP, Guskiewicz KM, Marshall SW, Blackburn JT, Cantu RC, & Greenwald RM. Head impact biomechanics in youth hockey: Comparisons across playing position, event types, and impact locations. *Annals of Biomedical Engineering*, 2011;40(1), 141-149.

Ocwieja KE, Mihalik JP, Marshall SW, Schmidt JD, Trulock SC, & Guskiewicz KM. The effect of play type and collision closing distance on head impact biomechanics. *Annals of Biomedical Engineering*, 2011;40(1), 90-96.

Herring SA, Cantu RC, Guskiewicz KM, Putukian M, Kibler WB, Bergfeld JA, Boyajian-O'Neill LA, Franks RR, Indelicato PA. Concussion (mild traumatic brain injury) and the team physician: a consensus statement- 2011 update. *Med Sci Sports Exerc*. 2011;43(12): 2412-22.

Guskiewicz KM and Broglio SP. Sport-Related Concussion: On-Field and Sideline Assessment. *Physical Medicine and Rehabilitation Clinics of North America*, 2011;22:603-617.

Krainin GM, Forsten RD, Kotwal RS, Lutz RH, Guskiewicz KM. Mild traumatic brain injury literature review and proposed changes to classification. *J Spec Oper Med*. 2011 Summer; 11(3): 38-47.

DiStefano LJ, Blackburn JT, Marshall SW, Guskiewicz KM, Garrett WE, Padua DA. Effects of an age-specific anterior cruciate ligament injury prevention program on lower extremity biomechanics in children. *Am J Sports Med*. 2011;39(5): 949-57.

Guskiewicz KM and Register-Mihalik JK. Post-concussive impairment differences across a multifaceted concussion assessment protocol. *Physical Med & Rehab*, 2011;3:S445-S451.

Kerr ZY, Marshall SW, & Guskiewicz KM. Reliability of concussion history in former professional football players. *Medicine and Science in Sports and Exercise*, 2011; 44(3):377-82.

Mihalik JP, Guskiewicz KM, Marshall SW, Greenwald RM, Blackburn JT, & Cantu RC. Does cervical muscle strength in youth ice hockey players affect head impact biomechanics? *Clinical Journal of Sports Medicine*, 2011;21(5), 416-421.

Guskiewicz KM and McLeod TCV. Pediatric Sport-related Concussion. *Physical Med & Rehab*, 2011; 3(4):353-364.

Guskiewicz KM. Physical Education Curriculum Priorities: “Safe” Exercise is Medicine. *Quest*, 2011;63:66-72.

Guskiewicz KM and Mihalik JP. Biomechanics of Sport Concussion: Quest for the Elusive Injury Threshold. *Exercise and Sport Science Reviews*, 2011; 39(1):4-11.

Guskiewicz KM. Balance Assessment in the Management of Sport-Related Concussion. *Clin Sports Med*, 2011;30:89–102.

Ross LM, Register-Mihalik JK, Mihalik JP, McCulloch KL, Prentice WE, Shields EW, & Guskiewicz KM. Effects of a single task vs. a dual task paradigm on cognition and balance in healthy subjects: A feasibility and reliability study. *Journal of Sport Rehabilitation*. 2011 Aug;20(3): 296-310.

Mihalik JP, Blackburn JT, Greenwald RM, Cantu RC, Marshall SW, & Guskiewicz KM. Collision type and player anticipation affect head impact severity in youth ice hockey players. *Pediatrics*, 2010; 125(6):e1394-401.

Mihalik JP, Greenwald RM, Blackburn JT, Cantu RC, Marshall SW, & Guskiewicz KM. The effect of infraction type on head impact severity in youth ice hockey. *Medicine & Science in Sports & Exercise*, 2010; 42(8):1431-8.

Distefano LJ, Padua DA, Blackburn JT, Garrett WE, Guskiewicz KM, Marshall SW. Integrated injury prevention program improves balance and vertical jump height in children. *J Strength Cond Res*, 2010 Feb;24(2):332-42.

Cantu RC, Guskiewicz KM, Register-Mihalik JK. Clinical analysis of 215 moderate-severe athletic concussion. *Physical Medicine and Rehabilitation*. 2010;2 (12), 1088-93.

Thigpen CA, Padua DA, Michener LA, Guskiewicz KM, Giuliani C, Keener JD, Stergiou N. Head and shoulder posture affect scapular mechanics and muscle activity in overhead tasks. *J Electromyography & Kinesiology*, 2010; 20(4):701-709.

Boling M, Padua D, Marshall S, Guskiewicz KM, Pyne S, and Buetler A. Gender Differences in the incidence and prevalence of patellofemoral pain syndrome. *Scand J Medicine Science and Sports*, 2010; Vol 20(5):709–787.

Toler JD, Petschauer MA, Mihalik JP, Oyama S, Halverson SD, & Guskiewicz KM. Alternative airway access techniques in American football. *Clinical Journal of Sport Medicine*, 2010;20,92-97.

Broglio, S.P., Guskiewicz, K.M. Concussion in sport: The sideline assessment. *Sports Health: A Multidisciplinary Approach*, 2009; Vol. 1(5):361-369.

Register-Mihalik JK, Guskiewicz KM, Valovich McLeod T, Mann JD. Association between migraine-related disability and concussion history in collegiate athletes. *Athletic Training and Sports Healthcare*. 2009;1(5), 227-233.

McCrea M, Guskiewicz KM, Randolph C, Barr WB, Hammeke TA, Marshall SW, Kelly JP. Effects of a symptom-free waiting period on clinical outcome and risk of reinjury after sport-related concussion. *Neurosurgery*, 2009;65(5), 876-882.

Boling MC, Padua DA, Marshall SW, Guskiewicz KM, Pyne S, Beutler A. A prospective investigation of biomechanical risk factors for patellofemoral pain syndrome: the Joint Undertaking to Monitor and Prevent ACL Injury (JUMP-ACL) cohort. *Am J Sports Med*, 2009;37(11), 2108-2116.

Elleberg D, Henry LC, Macciocchi SN, Guskiewicz KM, Broglio SP. Advances in sport concussion management: From behavioral to brain imaging measures. *J Neurotrauma*, 2009;26(12), 2365-2382.

Bell DR, Myrick MP, Blackburn JT, Shultz SJ, Guskiewicz KM, Padua, DA. The effect of menstrual-cycle phase on hamstring extensibility and muscle stiffness. *J Sport Rehabil*. 2009; 18(4): 553-63.

Randolph C, Millis S, Barr WB, McCrea M, Guskiewicz KM, Hammeke TA, Kelly JP. Concussion symptom inventory: An empirically derived scale for monitoring resolution of symptoms following sport-related concussion. *Arch Clin Neuropsychol*, 2009;24(3), 219-229.

Herman DC, Onate JA, Weinhold PS, Guskiewicz KM, Garrett WE, Yu B, Padua DA. The effects of feedback with and without strength training on lower extremity biomechanics. *Am J Sports Med*, 2009;37(7), 1301-1308.

Parsons TD, Notebaert AJ, Shields EW, Guskiewicz KM. Application of reliable change indices to computerized neuropsychological measures of concussion. *Int J Neurosci*, 2009;119(4), 492-507.

Ross SE, Guskiewicz KM, Gross MT, Yu B. Balance measures for discriminating between functionally unstable and stable ankles. *Med Sci Sports Exerc*, 2009;41(2), 399-407.

Brown C, Padua D, Marshall SW, Guskiewicz KM. Variability of Motion in Individuals with Mechanical or Functional Ankle Instability During a Stop Jump Maneuver. *Clinical Biomechanics*, 2009;24(9), 762-768.

Golightly YM, Marshall SW, Callahan LF, Guskiewicz KM. Early-Onset Arthritis in Retired National Football League Players. *J Physical Activity & Health*, 2009;6(5), 638-643.

Davis GA, Iverson GL, Guskiewicz KM, Ptito A, Johnston KM. Contributions of neuroimaging, balance testing, electrophysiology and blood markers to the assessment of sport-related concussion. *BJSM*, 2009;43, 36-45.

Mihalik JP, Ondrak KS, Guskiewicz KM, & McMurray RG. Clinical measures of concussion remain stable across the female menstrual cycle. *Journal of Science and Medicine in Sport*, 2009; 12(3), 383-387.

Mihalik JP, Jeffries JA, Ciocca MF, & Guskiewicz KM. Biomechanical factors and clinical outcome of a youth ice hockey player following sports-related concussion: A case report. *Athletic Training & Sports Health Care*, 2009;1(1), 32-36.

Register-Mihalik JK, Mihalik JP, & Guskiewicz KM. Association between previous concussion history and symptom endorsement during preseason baseline testing in high school and collegiate athletes. *Sports Health: A Multidisciplinary Approach*, 2009;1(1), 61-65.

Horn S., Gregory P., Guskiewicz KM. Self-Reported Anabolic-Androgenic Steroids Use and Musculoskeletal Injuries: Findings from the Center for the Study of Retired Athletes Health Survey of Retired NFL Players. *J Physical Medicine & Rehabilitation*, 2009;88(3): 192-200.

Guskiewicz KM. Sports Medicine & Athletic Training in the 21st Century: Bridging the Gap Between Research and Clinical Practice. *Quest*, 2008;60,121-130.

Brown C, Padua D, Marshall SW, Guskiewicz KM. Individuals with mechanical ankle instability exhibit different motion patterns than those with functional ankle instability and ankle sprain copers. *Clinical Biomechanics*, 2008; Jul;23(6):822-31.

Mecham SC, and Guskiewicz KM. Head Case: An Agent's Guide to Protecting their NFL Clients From Concussions and Associated Risks, *76 UMKC L. Rev.* 699, 2008.

Mihalik JP, Beard JR, Petschauer MA, Prentice WE, and Guskiewicz KM. Effect of ice hockey helmet fit on cervical spine motion during an emergency log roll procedure. *Clinical Journal of Sports Medicine*, 2008;18(5), 394-398.

Fox ZG, Mihalik JP, Blackburn JT, Battaglini CL, Guskiewicz KM. Postural control returns to baseline within 13 minutes following both anaerobic and aerobic exercise protocols. *Journal of Athletic Training*, 2008;43(5), 456-463.

Register-Mihalik JK, Mihalik JP, Guskiewicz KM. Balance deficits after sports-related concussion in individuals reporting post-traumatic headache. *Neurosurgery*, 2008;63(1), 76-82.

- Mihalik JP, Guskiewicz KM, Jeffries JA, Greenwald RM, & Marshall SW. Characteristics of head impacts sustained by youth ice hockey players. *Journal of Sports Engineering and Technology*, 2008;222(P1), 45-52.
- Blackburn JT, Padua DA, Guskiewicz KM. Musculotendinous stiffness and spinal stretch reflex sensitivity in the triceps surae. *Journal of Athletic Training*, 2008;43(1), 29-36.
- Mihalik JP, Bell DR, Marshall SW, Guskiewicz KM. Measurement of head impacts in collegiate football players: An investigation of positional and event type differences. *Neurosurgery*, 2007; 61, 1229-1235.
- McCaffrey MA, Mihalik JP, Crowell DH, Shields EW, Guskiewicz KM. Measurement of head impacts in collegiate football players: Clinical measures of concussion following high and low impact magnitudes. *Neurosurgery*, 2007;61, 1236-1243.
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Guskiewicz, K.M. Current Concepts in Evaluation and Management of Sports Related Concussion. *Marietta Sports Med Symposium*. Marietta, OH. July 10, 2012.

Guskiewicz, K.M. Case of a TBI in a College Football Player: Legal concerns about everyday athletic training tasks. *NATA Annual Meeting and Symposium*. St. Louis, MI. June 27, 2012.

Guskiewicz, K.M. The Art and Science of Making a Difference: Translating Concussion Data into Concussion Prevention. *Art & Science of Sports Medicine Conference*. The University of Virginia. Charlottesville, VA; June 7, 2012.

Guskiewicz, K.M. Is concussion the same the world around? Rugby in the U.S., Ireland, Australia & more. *ACSM Annual Meeting*. San Francisco, CA; May 31, 2012

Guskiewicz, K.M. Hits & Helmets: Improving Helmet Design vs Modifying Behavior. *ACSM Annual Meeting*. San Francisco, CA; May 30, 2012.

Guskiewicz, K.M. The Science of Sport Concussion: Translating Data into Concussion Prevention. *Medical College of Wisconsin's Annual Neurosciences Symposium*. Milwaukee, WI; May 18, 2012.

Guskiewicz, K.M. Instituting a Comprehensive Concussion Program. *National Sports Medicine and Sports Law Conference*. Clearwater, FL; May 14, 2012.

Guskiewicz, K.M. Current state of concussion management & recommended best practices for emergency planning. *Biltmore Resort, Fiesta Bowl Summit*. Phoenix, AZ; May 3, 2012.

Guskiewicz, K.M. Biomechanics of Sports Concussion. *Youth Sports Concussion Conference: Definition, Assessment, Research, and Oregon's Max's Law*. Bend, OR; April 21, 2012.

Guskiewicz, K.M. Sports Concussion- From sideline to office. *Youth Sports Concussion Conference: Definition, Assessment, Research, and Oregon's Max's Law*. Bend, OR; April 21, 2012.

Guskiewicz, K.M. Sports Concussion Management in Schools. *Youth Sports Concussion Conference: Definition, Assessment, Research, and Oregon's Max's Law*. Bend, OR; April 21, 2012.

Guskiewicz, K.M. *The Science and Technology of Sport Concussions, Bennan and Smith Lecture Series*. Texas State University, San Marcos, TX; April 5, 2012.

Guskiewicz, K.M. Clinical Spectrum of Sports TBI. *Keystone Symposia on Molecular and Cellular Biology*. Keystone, CO; February 27, 2012.

Guskiewicz, K.M. Preventing Concussion in Sport: From the Lab to the Law. *Southeast American College of Sports Medicine 2012 Annual Meeting*. Jacksonville, FL; February 11, 2012.

Guskiewicz, K.M. Concussion Prevention: Improving Helmet Design vs Modifying Behavior. *Big Sky Athletic Training Sports Medicine Conference*. Big Sky, MT; January 30, 2012.

Guskiewicz, K.M. Concussion in the Athlete. *Sooner Sports Medicine Symposium Concussion & C-Spine*. Norman, OK; January 13, 2012.

Guskiewicz, K.M. The Science of sport concussion: Translating data collection into concussion prevention. *Cleveland Clinic*. Cleveland, OH; November 29, 2011.

Guskiewicz, K.M. The Science of sport concussion: Translating Data Collection into concussion prevention and improved management. *American Academy of Physical Medicine and Rehabilitation Annual Assembly Concussion Symposium*. Orlando, FL; November 18, 2011.

Guskiewicz, K.M. Pathophysiology of Sport Concussion and Headache; Implication for Return to Play. *Scottsdale Headache Symposium*. Scottsdale, AZ; November 10, 2011.

Guskiewicz, K.M. The science and technology of sport concussion: Translating data collection into concussion prevention. *Knuttggen Keynote Lecture, New England Chapter of ACSM Annual Fall Conference*. Providence, RI; November 4, 2011.

Guskiewicz, K.M. The Science of Sport Concussion: Translating Data Collection into Concussion Prevention. *Licht Lectureship*. Minneapolis, MN; October 20, 2011.

Guskiewicz, K.M. Youth Concussion: Why Be concerned? *Concussion in Sports: Nothing Mild About it: NASHIA Pre-Conference Workshop*. Kansas City, Missouri; October 3, 2011.

Guskiewicz, K.M. The Science of Sport Concussion: Translating Data Collection into Concussion Prevention. *MossRehab's Concussion Management and Sports Medicine Conference*. Fort Washington, PA; July 8, 2011.

Guskiewicz, K.M. Concussion and Post-Concussion Syndrome: When to Rest and When to Rehab? *Concussion Management and Sports Medicine Conference*. Fort Washington, PA; July 8, 2011.

Guskiewicz, K.M. Emerging Technologies in Helmeted Sports: A look at Football, Ice Hockey, and Lacrosse. *National Athletic Trainers' Association Annual Meeting*. New Orleans, LA; June 20, 2011.

Guskiewicz, K.M. Rehabilitation Following mTBI. *National Athletic Trainers' Association Annual Meeting*. New Orleans, LA; June 20, 2011.

Guskiewicz, K.M. Can You Hear Me Now? Communication Skills for the Athletic Trainer. *National Athletic Trainers' Association Annual Meeting*. New Orleans, LA; June 20, 2011.

Guskiewicz, K.M. Identification of mTBI, with an Emphasis on Sports-Related Injury. *Federal Interagency Conference on Traumatic Brain Injury*. Washington, D.C; June 13, 2011.

Guskiewicz, K.M. The Natural History of Mild Traumatic Brain Injury; Lessons Learned from Sports Concussion Research on Acute and Chronic Effects. *Federal Interagency Conference on Traumatic Brain Injury*. Washington, D.C; June 15, 2011.

Guskiewicz, K.M. What We Need to Know About Concussions. *Pennsylvania Athletic Trainers' Society Annual Symposium*. Lancaster, PA; June 10, 2011.

Guskiewicz, K.M. Diagnosis, Treatment, Management of Concussion. *Jacksonville Concussion Summit*. Jacksonville, FL; June 4, 2011.

Guskiewicz, K.M. Neuropsychological Examination of the Concussed Athlete. *Jacksonville Concussion Summit*. Jacksonville, FL; June 4, 2011.

Guskiewicz, K.M. Return to Play Considerations. *Jacksonville Concussion Summit*. Jacksonville, FL; June 4, 2011.

- Guskiewicz, K.M. Balance Assessment. *Biological Assessment of Brain Dysfunction*. Washington, DC; May 25, 2011.
- Guskiewicz, K.M. Quantitative Assessment in Mild TBI. *Johns Hopkins Traumatic Brain Injury, A National Conference; From Impact to Recovery*. Baltimore, MD; May 21, 2011.
- Guskiewicz, K.M. The Science of Sport Concussion: Translating Data Collection into Concussion Prevention. *Sanford Sports Medicine Symposium*. Soix Falls, SD; May 5, 2011.
- Guskiewicz, K.M. Concussion and Post-Concussion Syndrome: When to Rest and When to Rehab? *Sanford Sports Medicine Symposium*. Soix Falls, SD; May 5, 2011.
- Guskiewicz, K.M. Preventing Sudden Death in Sport: Head Injury. *Sanford Sports Medicine Symposium*. Soix Falls, SD; May 5, 2011.
- Guskiewicz, K.M. Concussions: Where We Are and Where We're Going. *2011 Multidisciplinary Concussion Summit*. Erie, PA; April 29, 2011.
- Guskiewicz, K.M. Athlete Education and Behavior Modification in Preventing Concussion. *International Sport Injury Prevention Congress*. Monaco; April 9, 2011.
- Guskiewicz, K.M. Concussion Management Update. *NCCA's 2011 Nurse Practitioner Spring Symposium*. Pinehurst, NC; March 29, 2011.
- Guskiewicz, K.M. What is the Role of Balance Assessment in Understanding Concussion Severity and Recovery? *National Football League's "NFL Combine - Team Physician Meeting."* Indianapolis, IN; February 24, 2011.
- Guskiewicz, K.M. Helmet Testing and On-Field Monitoring of Safety Equipment & Player Behavior. *National Football League's "NFL Combine – Competition Committee Meeting."* Indianapolis, IN; February 22, 2011.
- Guskiewicz, K.M. Sport Concussion: Facts, Fallacies and Frontiers. *North Carolina Neurologic Society Annual Meeting*. Cary, NC; February 19, 2011.
- Guskiewicz, K.M. Sports Concussion: Facts, Fallacies and Frontiers. *Danish Congress of Medicine and Science in Sports*. Odense, Denmark; February 4, 2011
- Guskiewicz, K.M. Sport-Related Concussion: Considerations for Football Coaches. *American Football Coaches Association's Annual Meeting*. Dallas, TX; January 10, 2011.
- Guskiewicz, K.M. Preventing Sudden Death in Sport: Head Injury Considerations; *National Strength and Conditioning Association Annual Meeting*. Dallas, TX, January 8, 2011.
- Guskiewicz, K.M. Challenges we face: Equipment standards and rules changes based on empirical evidence. *The National Football League's Head, Neck, and Spine Committee's Summit*. New York, NY; December 8, 2010.

Guskiewicz, K.M. The Science of Sport Concussion: Translating Data Collection into Concussion Prevention. *The American Academy of Neurological Surgery - 75th Annual Meeting*. Pebble Beach, CA; November 6, 2010.

Guskiewicz, K.M. Sports Concussion: Facts, Fallacies and Frontiers. *Missouri Brain Injury Association*. St. Charles, Missouri; October 22, 2010.

Guskiewicz, K.M. The Science of Translation from Data Collection to Concussion Prevention: Changing the Practice Profile. *Mayo Clinic's Ice Hockey Summit: Action on Concussion*, Rochester, MN; October 19, 2010.

Guskiewicz, K.M. Physical Education Curriculum Priorities: Athletic Training & Biomechanics Perspectives – Safe Exercise is Medicine. *American Academy of Kinesiology and Physical Education Annual Symposium*, Williamsburg, VA; October 8, 2010.

Guskiewicz, K.M. Sport Concussion: Are We Headed in the Right Direction? *New Hampshire Musculoskeletal Institute's 17th Annual Symposium*, Bedford, NH, September 11, 2010.

Guskiewicz, K.M. The Concussion Dilemma: Are We Headed in the Right Direction? 56th *Southwestern Athletic Trainers' Association's Annual Meeting and Clinical Symposium*. Arlington, TX, July 23, 2010.

Guskiewicz, K.M. Preventing Sudden Death in Sport: Head Injury Considerations; Johnson & Johnson Featured Symposium. *National Athletic Trainers' Association*. Philadelphia, PA, June 24, 2010.

Guskiewicz, K.M. Concussion and Post-Concussion Syndrome: When to Rest, Exercise, or Return to Sport. *American Physical Therapy Association*. Boston, MA, June 17, 2010.

Guskiewicz, K.M. Emotional and Cognitive Problems in Football Players. *Traumatic Brain Injury in Professional Football: An Evidence-Based Perspective*. Sponsored by Johns Hopkins Medical Center and The National Football League, Washington, DC, June 2, 2010.

Guskiewicz, K.M. Sports-Induced Concussion Biomechanics. *National Concussion Summit*. Los Angeles, CA, May 14, 2010.

Guskiewicz, K.M. and Bytomski, J.R. Concussion Management Update and Challenges with Return to Play. *College Athletic Trainers' Society Annual Meeting*. Las Vegas, NV, May 13, 2010.

Guskiewicz, K.M. Removing the Guesswork in the Management of PCS: Strategies for Assessment and Rehabilitation. *American Medical Society for Sports Medicine Annual Meeting*, Cancun, Mexico, April 21, 2010.

Guskiewicz, K.M. Concussion Prevention: Facts, Fallacies and Frontiers. *American Medical Society for Sports Medicine Annual Meeting*, Cancun, Mexico, April 19, 2010.

Guskiewicz, K.M. Clinical Sequelae of Multiple Traumatic Brain Injuries. 62nd *Annual American Academy of Neurology Annual Meeting*, Toronto, Ontario, April 2, 2010.

Guskiewicz, K.M. Epidemiology of Traumatic Brain Injury in Football. *Wecht Institute of Forensic Science and Law*, Duquesne University, Pittsburgh, PA, March 12, 2010.

Guskiewicz, K.M. Sports Concussion Across the Lifespan: A Cause for Concern? *University of Washington*, Seattle, WA, March 6, 2010.

Guskiewicz, K.M. New Research in Athletic Brain Injury. *Athletic Trainers' Society of New Jersey Annual Conference*, Plainsboro, NJ, March 1, 2010.

Guskiewicz, K.M. Sideline Evaluation of Sport Concussion. *Athletic Trainers' Society of New Jersey Annual Conference*, Plainsboro, NJ, February 28, 2010.

Guskiewicz, K.M. Sports Concussion Across the Lifespan: A Cause for Concern? *UNC-Chapel Hill Athletic Training Symposium*, Chapel Hill, NC, February 27, 2010.

Guskiewicz, K.M., Whitney, S., Cantu, R., and Nowinski, C. Concussion and Mild Traumatic Brain Injury Update 2010. *American Physical Therapy Association, Sports Physical Therapy Association*, San Diego, CA, February 18, 2010.

Guskiewicz, K.M. The Long Term Effects of mTBI in Football. *The Inaugural Meeting of the Mackey-White Committee*. Sponsored by the NFLPA, West Palm Beach, FL, January, 26 2010.

Guskiewicz, K.M. The Long Term Effects of mTBI: Using Sport as a Laboratory. *The National Institute of Aging: TBI and the Risk of Dementia*, Bethesda, MD, September 16, 2009.

Guskiewicz, K.M. Sport-Related Concussion: Navigating the Latest Research Findings & Clinical Recommendations. *International Symposium on Prevention and Management of Sport Injuries*. Beijing Sport University, Beijing, China, July 4, 2009.

Guskiewicz, K.M., Brogio, S., Mihalik, J. Sport-Related Concussion: Navigating the Latest Research Findings and Clinical Recommendations. *National Athletic Trainers' Association Annual Meeting*, San Antonio, TX, June 20, 2009.

Klossner, D., Marshall, S.W., Guskiewicz, K.M., Hootman, J. Evidence Based Medicine: Breaking down the stats on injury surveillance and sport related concussion: what do the statistics mean and how can I apply them? *National Athletic Trainers' Association Annual Meeting*, San Antonio, TX, June 20, 2009.

Guskiewicz, K.M. Learning Lab: Sideline Concussion Assessment. *National Athletic Trainers' Association Annual Meeting*, San Antonio, TX, June 20, 2009.

Guskiewicz, K.M. Current Trends in Concussion Assessment and Intervention. *National Athletic Trainers' Association Annual Meeting*, San Antonio, TX, June 18, 2009.

Guskiewicz, K.M. The Concussion Delimma: Are We Headed in the Right Direction? *National Athletic Trainers' Association Annual Meeting*, San Antonio, TX, June 18, 2009.

Guskiewicz, K.M. *Updates on Concussion Management: Are We Headed in the Right Direction?* The Ohio State University – Sports Medicine Grand Rounds, Columbus, OH, June 5, 2009.

Guskiewicz, K.M., Herring, S., Putukian, M. Managing Sports-Related Concussion in the Youth and Adolescent Athlete. *American College of Sports Medicine 2009 Annual Meeting*. Seattle, WA, May 27, 2009.

Guskiewicz, K.M. Catastrophic Brain Injuries in Sport. *Mid-Atlantic athletic Trainers' Association Annual Symposium*. Virginia Beach, VA, May 17, 2009.

Guskiewicz, K.M. & Cantu, R. Current Concepts in Concussion Management. *2009 College Athletic Trainer's Society Spring Symposium for Athletic Trainers and Team Physicians*. Las Vegas, NV, May 14, 2009

Guskiewicz, K.M. Concussion Management. *North Carolina Athletic Trainers' Association 32nd Annual Business Meeting and Symposium*. Concord, NC, March 7, 2009.

Guskiewicz, K.M. Concussion Assessment: Athletic Trainers and Physicians Under the Microscope. *Emory University Sports Medicine Symposium*, Atlanta, GA, March 11, 2009

Guskiewicz, K.M. Sports-Related Concussion Management. *North Carolina Neurological Society*. Chapel Hill, NC, February 20, 2009.

Guskiewicz, K.M. Long-Term Effects of Sport Concussion: A Study of Retired Professional Football Players. *National Academy of Neuropsychology*. New York, NY, October 21, 2008.

Guskiewicz, K.M. Working across campus to build an interdisciplinary research team: drafting the best players. *78th Annual Meeting of the American Academy of Kinesiology*. Chicago, IL, September 26, 2008.

Guskiewicz, K.M. Epidemiology of Sport-Related Concussion in Sport and Recreation. *19th Annual State of the States in Head Injury Conference*; Hosted by: *National Association of State Head Injury Administrators*, Williamsburg, VA, September 11, 2008.

Guskiewicz, K.M. Sport-Related Concussion: Is Research Driving Clinical Practice? *Head Injury and Concussion Symposium*; Hosted by: *Bone & Joint Injury Prevention & Rehabilitation Center*, University of Michigan, Ann Arbor, MI, August 4, 2008.

Guskiewicz, K.M., Kaminski, T., and Putukian, M. Heading in the Right Direction? An In-Depth Analysis of Head Safety in Sport. *National Athletic Trainers' Association Annual Meeting*, St. Louis, MO, June 18, 2008.

Guskiewicz, K.M., Cantu, R.C., Broglio, S., Mihalik, J.A., and Bailey, C. Neuropsychological Assessment of the Concussed Athlete: Only One Piece of the Concussion Puzzle. *American College of Sports Medicine Annual Symposium*. Indianapolis, IN, May 28, 2008.

Guskiewicz, K.M. What's New in Concussion Research. *Brigham and Women's Hospital - Neurological Sport Trauma Symposium*. Boston, MA, May 9, 2008.

Guskiewicz, K.M. The NCAA Concussion Study: Recovery and Cumulative Effects. The National Concussion Summit. Marina Del Rey, CA. April 19, 2008.

Guskiewicz, K.M. Concussion and equilibrium: diagnosis and treatment. International Consensus Conference Concussion in Football: Diagnosis, Prevention and Rehabilitation. Chelsea Football Club, Stamford Bridge, London, UK, March 28, 2008.

Guskiewicz, K.M., Barth, J., Echemendia, R., Cantu, R., et al. Controversies in the World of Sports Concussion: Sheldon Berrol Memorial Chautauqua. *American Congress of Rehabilitation Medicine and the American Society of Neurorehabilitation Annual Meeting*. Washington, DC. October 4, 2007.

Guskiewicz, K.M. Sport Medicine & Athletic Training in the 21st Century: Bridging the Gap Between Research and Clinical Practice. *American Academy of Kinesiology and Physical Education*. Savannah, GA. September 29, 2007.

Guskiewicz, K.M. Return to Play Decisions & Rehabilitation Following Concussion. *National Athletic Trainers' Association Annual Meeting*. Anaheim, CA. June 29, 2007.

Guskiewicz, K.M. Co-morbidities Related to Osteoarthritis in Retired Athletes. *National Athletic Trainers' Association Annual Meeting*. Anaheim, CA. June 28, 2007.

Guskiewicz, K.M., Burkholder, R., & Tucker, A. Assessing mTBI Cases & Return to Play in the Same Game. *NFL Player Health and Safety Meeting*. Chicago, IL, June 19, 2007.

Guskiewicz, K.M., Biomechanics of Concussion: New Technologies for Assessing Concussion Impacts. *American College of Sports Medicine*. New Orleans, LA, May 31, 2007.

Guskiewicz, K.M. Updates on Management of Sport Related Concussion. *College Athletic Trainers' Society Spring Symposium for Athletic Trainers and Team Physicians*. Las Vegas, Nevada. May 17, 2007.

Guskiewicz, K.M. Biomechanics of Sport Related Concussion. *The Concussion Summit*. Marina Del Rey, CA. April 20, 2007.

Guskiewicz, K.M. The NCAA Concussion Study and the Cumulative Effects of Concussion. *The Concussion Summit*. Marina Del Rey, April 20, 2007.

Guskiewicz, K.M. and Mihalik J.P. Real-Time Analysis of Impacts in Collegiate Football and Youth Hockey. Third International Meeting on Minor Traumatic Brain Injuries in Sport. St. Moritz, Switzerland, March 14, 2007.

Guskiewicz, K.M. Postural Stability Assessment & Rehabilitation Following Sport-Related Concussion. Third International Meeting on Minor Traumatic Brain Injuries in Sport. St. Moritz, Switzerland, March 14, 2007.

Guskiewicz, K.M. Great Lakes Athletic Trainers' Association's *Annual Pinky Newell Lecture*. Sport-Related Concussion: Is Research Driving Clinical Practice? St. Charles, IL. March 9, 2007.

Guskiewicz, K.M. American Physical Therapy Association - Sport Section. *Team Concept Conference*. A,B,C's of on-field management of concussion. Las Vegas, NV, December 3, 2006.

Guskiewicz, K.M. American Physical Therapy Association - Sport Section. *Team Concept Conference*. The Concussion Puzzle: Putting all the pieces together. Las Vegas, NV, December 3, 2006.

Guskiewicz KM, Case Definition and Natural History of Mild Traumatic Brain Injury. *Defense and Brain Injury Center's Working Group on the Acute Management of Mild Traumatic Brain Injury*, Washington DC, November 9, 2006.

Guskiewicz, K.M. 2006 Todd Bell Memorial Lecture: Risk of Cardiovascular Disease in Retired NFL Players. The Ohio State University, Columbus, OH. July 28, 2006.

Guskiewicz, K.M. Current Concepts in Concussion Management. *National Athletic Trainers' Association Annual Meeting*. Atlanta, GA, June 15, 2006.

Guskiewicz, K.M. Postural Stability as an Assessment Tool and Rehabilitation Strategy Following Sport Concussion. *Second International Meeting on Minor Traumatic Brain Injuries in Sport*. St. Moritz, Switzerland, March 16, 2006.

Guskiewicz, K.M. Recurrent Concussion in a Collegiate Football Player Equipped with the Head Impact Telemetry System. *Second International Meeting on Minor Traumatic Brain Injuries in Sport*. St. Moritz, Switzerland, March 16, 2006.

Guskiewicz, K.M. Association Between the Incidence of Cerebral Concussions & Dental Injuries, and Mouthguard Usage Among Collegiate Ice Hockey Players. *Second International Meeting on Minor Traumatic Brain Injuries in Sport*. St. Moritz, Switzerland, March 16, 2006.

Guskiewicz, K.M. Concussion by the Numbers: An Epidemiologic Look at Sports Related Concussion. *Second Federal Interagency Conference on Traumatic Brain Injury*. Bethesda, MD, March 9, 2006.

Guskiewicz, K.M. Sport-Related Concussion: Understanding and Using Sideline Management Tools. *Canisius College Visiting Scholars Lecture Series*. Buffalo, NY, February 14, 2006.

Guskiewicz, K.M. Researcher's Forum: An Awardee's Perspective. *National Athletic Trainers' Association Annual Meeting*. Indianapolis, IN, June 15, 2005.

Valovich-McLeod, T., Guskiewicz, K.M., and McCrea, M. Incorporating the NATA Concussion Position Statement Into Clinical Practice. *National Athletic Trainers' Association Annual Meeting*. Indianapolis, IN, June 12, 2005.

Guskiewicz, K.M. Management of Sport-Related Concussion. *The Art & Science of Sports Medicine 2005*. University of Virginia, Charlottesville, VA, June 9, 2005.

Guskiewicz, K.M. Using Sideline Tools in the Management of Sport-Related Concussion. *The Art & Science of Sports Medicine 2005*. University of Virginia, Charlottesville, VA, June 9, 2005.

Guskiewicz, K.M. Return to play decisions following concussion: Is research providing the right answers? *American College of Sports Medicine Annual Meeting*. Nashville, TN, June 4, 2005.

Guskiewicz, K.M. Current Concepts in Concussion Management. *College Athletic Trainers' Society Spring Symposium for Athletic Trainers and Team Physicians*. Las Vegas, Nevada, May 13, 2005.

Guskiewicz, K.M. Sideline Assessment and Management of Sport-Related Concussion. *Brain Injury Association of Maryland – Best Practices in Sports Concussion Management: On the Field, With the Physician, In the Classroom*. Ellicott City, Maryland, April 15, 2005

Cantu, R.C., Guskiewicz, K.M., McCrea, M., Valovich-McLeod, T. Open Scientific Paper Session: Recommendations from 2004 NATA Position Statement on Management of Concussion in Sport and 2004 Prague International Concussion Conference Consensus Statement. *5th Annual Sports Medicine and Neurotrauma Review*. Orlando, Florida, March 12, 2005.

Guskiewicz, K.M. Biomechanics of Concussion: New Technologies for Assessing Concussion Impacts. *5th Annual Sports Medicine and Neurotrauma Review*. Orlando, Florida, March 12, 2005.

Guskiewicz, K.M. Understanding and Using Sideline Management Tools. *5th Annual Sports Medicine and Neurotrauma Review*. Orlando, Florida, March 12, 2005.

Guskiewicz, K.M. Current Health Survey (2003) of Retired Professional Football Players. (part of mini-symposium on Cardiovascular Health Patterns in Elite Athletes: Bigger May Not be Better in

NFL Players. *American College of Cardiology Annual Scientific Session – 2005*. Orlando, Florida, March 7, 2005.

Guskiewicz, K.M. Sport-Related Concussion: Understanding and Using Sideline Assessment Tools. *Brain Injury Association of New York State – 2004 Sports and Concussion Symposium*. Madison Square Garden, New York City, NY, December 10, 2004

Guskiewicz, K.M. Concussion by the Numbers: An Epidemiological Look at Sport-Related Concussion. *20th Annual Hawkeye Sports Medicine Symposium*. Iowa City, Iowa, December 3, 2004.

Guskiewicz, K.M. Biomechanics of Concussion: Relationship Between Biomechanical, Neuroanatomical, and Clinical Measures. *20th Annual Hawkeye Sports Medicine Symposium*. Iowa City, Iowa, December 3, 2004.

Guskiewicz, K.M. Piecing Together the Concussion Puzzle – Clinical Considerations for Athletic Trainers and Team Physicians *20th Annual Hawkeye Sports Medicine Symposium*. Iowa City, Iowa, December 3, 2004.

Guskiewicz, K.M. Concussion in Sport: New Insights into an Old Problem. *New England American College of Sports Medicine*. Providence, RI, November 12, 2004.

Guskiewicz, K.M. Postural Stability as an Assessment Tool and Rehabilitation Strategy. *Second International Symposium on Concussion In Sport*. Prague, Czech Republic, November 5, 2004.

Guskiewicz, K.M. Life After Football: A Life of Hard Knocks? *Inter-Urban Orthopedics Society Annual Meeting*. Chapel Hill, NC, October 1, 2004.

Guskiewicz, K.M. Concussion By the Numbers: NATA's Mild Brain Injury – Special Interest Group. *National Athletic Trainers' Association Annual Meeting*. Baltimore, MD, June 18, 2004.

Guskiewicz, K.M. NCAA Concussion Study: Bridging the Gap Between Research and Clinical Practice. *Brigham and Women's Hospital - Neurological Sport Trauma Symposium*. Boston, MA, May 15, 2004.

Guskiewicz, K.M. Sport Related Concussion: Update on Research and Clinical Practice. *College Athletic Trainers' Society Spring Symposium*. Las Vegas, Nevada, May 6, 2004.

Guskiewicz, K.M. Sport-Related Concussion: Bridging the Gap Between Research and Clinical Practice. *Contemporary Management of Sports-Related Concussion Symposium*. West Chester, PA, March 20, 2004.

Guskiewicz, K.M. Standardized Sideline Assessment of Sport-Related Concussion *Contemporary Management of Sports-Related Concussion Symposium*. West Chester, PA, March 20, 2004.

Guskiewicz, K.M. Sport-Related Concussion: Bridging the Gap Between Research and Clinical Practice. *North Carolina Athletic Trainers' Association 27th Clinical Symposium*. Wrightsville Beach, NC, March 14, 2004.

Guskiewicz, K.M. Alternative Approaches to Evaluation of Concussion. *17th Annual Family Practice Weekend and Sports Medicine Conference*. Huntington, WV. November 16, 2003.

Guskiewicz, K.M. Management of Sport-Related Concussion. *North Carolina Health Education Foundation*. Barton College, Wilson, NC. November 12, 2003.

Guskiewicz, K.M. Pathophysiology and Anatomical Considerations in Traumatic Brain Injury. National Basketball Athletic Trainers' Association Student Workshop. *National Athletic Trainers' Association Annual Meeting*. St. Louis, MO. June 28, 2003.

Guskiewicz, K.M. Mild Brain Injury – Special Interest Group. *National Athletic Trainers' Association Annual Meeting*. St. Louis, MO. June 28, 2003.

Guskiewicz, K.M. Sport-Related Concussion Options. *National Athletic Trainers' Association Annual Meeting*. St. Louis, MO. June 28, 2003.

Guskiewicz, K.M. Grant Writing and Funding Opportunities. *National Athletic Trainers' Association Annual Meeting*. St. Louis, MO. June 25, 2003.

Guskiewicz, K.M. Mild Traumatic Brain Injury – Return to Activity Criteria. *Hawaii Athletic Trainers' Association Annual Symposium*. Honolulu, HI. June 6, 2003.

Guskiewicz, K.M. Major orthopaedic injuries in former NFL players: Arthritic sequelae and reductions in physical functioning (part of mini-symposium on Life After Football: The Health of NFL Retirees). *American College of Sports Medicine Annual Meeting*. San Francisco, CA. May 30, 2003.

Guskiewicz, K.M., and J. Troy Blackburn. Assessment of Mild Traumatic Brain Injury (MTBI). Pre-conference workshop sponsored by the National Athletic Trainers' Association. Virginia Beach, VA. May 15, 2003.

Guskiewicz, K.M. Life After Football: Is it a Life of Hard Knocks? *7th Annual Symposium on Neurotrauma in Sports*. Orlando, FL. February 6, 2003.

Guskiewicz, K.M. Assessment of Sport-Related Concussion: Considerations for the Athletic Trainer. *7th Annual Symposium on Neurotrauma in Sports*. Orlando, FL. February 6, 2003.

Guskiewicz, K.M. MTBI as a Risk Factor for Progressive Neurologic Disorder. *International Conference on Closed Head Trauma: Traumatic Brain Injury (TBI) Mechanisms and Design Criteria for Effective Protection Strategies*. San Juan, Puerto Rico. January 28, 2003.

Guskiewicz, K.M. Assessment of Balance and Vestibular Function. *International Conference on Closed Head Trauma: Traumatic Brain Injury (TBI) Mechanisms and Design Criteria for Effective Protection Strategies*. San Juan, Puerto Rico. January 28, 2003.

Guskiewicz, K.M. Concussion Management in the Athlete. *4th Annual Sooner Sports Medicine Symposium*. Oklahoma City, OK. January 10, 2003.

Guskiewicz, K.M. The Concussion Puzzle. *8th Annual Triangle Sports Medicine Symposium*. Raleigh, NC. December 14, 2002.

Guskiewicz, K.M. Sport Related Concussion: Bridging the Gap Between Research and Clinical Practice. *10th Anniversary Celebration of The National Center for Injury Prevention and Control*, Baltimore, MD. June 20, 2002.

Guskiewicz, K.M. The Concussion Puzzle: Putting All the Pieces Together. *Johnson and Johnson Symposium; National Athletic Trainers' Association Annual Meeting*. Dallas, TX. June 16, 2002.

Guskiewicz, K.M. Future Directions of Sport Related Mild Head Injury Research. Mild Head Injury Special Interest Group: *National Athletic Trainers' Association Annual Meeting*. Dallas, TX. June 15, 2002.

Guskiewicz, K.M. Assessment of Postural Stability Following Athletic Injury. *American College of Sports Medicine Annual Meeting*. St. Louis, MO. May 30, 2002.

Guskiewicz, K.M. Life After The NFL: A Life of Hard Knocks? *National Football League Retired Players' Association Annual Meeting*. Phoenix, AZ. May 23, 2002.

Guskiewicz, K.M. Sport-Related Concussion: Five Compelling Questions. *Southeastern Athletic Trainers' Association*. Atlanta, GA. March 15, 2002.

Guskiewicz, K.M. Bridging the gap between research and clinical practice. *Eastern Athletic Trainers' Association*. Boston, MA. January 7, 2002.

Guskiewicz, K.M. No evidence of neuropsychological impairment in collegiate soccer players. *Neuropsychological consequences of head impact in youth soccer*. Institute of Medicine (National Academy of Sciences). Washington, DC. October 12, 2001.

Guskiewicz, K.M. Clinical applications of balance and postural stability assessment. *2001 N.A.T.A. Annual Meeting-Symposium*. Los Angeles, CA. June 21, 2001.

Guskiewicz, K.M. Management of Sports-related Concussion: New Insights into and Old Problem. *2001 American College of Sports Medicine Annual Meeting*. Baltimore, MD. May 31, 2001.

Guskiewicz, K.M. Sport-related concussion: Bridging the gap between research and clinical practice (*Keynote speaker*). NATA District III Annual Symposium. May 18, 2001.

Guskiewicz, K.M. Concussion in Sport: Bridging the Gap Between Research and Clinical Practice. *Wisconsin Athletic Trainers' Association Symposium*, Madison, WI. April 5, 2001.

Guskiewicz, K.M., (moderator & discussant), Bailes, J., Cantu, R., and Kelly, J. Expert Opinions on Concussion Grading Scales. *National Athletic Trainers' Association Annual Meeting*. Nashville, TN. June 29, 2000.

Guskiewicz, K.M. Alternative Approaches to the Assessment of Mild Head Injury in Sport. *American Medical Society for Sports Medicine-Annual Meeting*. San Diego, CA. April 12, 2000.

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Guskiewicz, K.M., Concussion Updates. *NCAA's Annual Health and Safety Meeting*. Virtual meeting. April 12, 2013.

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Guskiewicz, K.M. Helmet Testing & On-Field Monitoring of Safety Equipment & Player Behavior. UNC's Human Movement Science Research Day. Chapel Hill, NC; February 25, 2011.

Guskiewicz, K.M. The Science of Translation from Data Collection to Concussion Prevention: Changing the Practice Profile. *National Operating Committee for Standards in Athletic Equipment*, Chatham, MA; October 23, 2010.

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Guskiewicz, K.M. Ohio State University Sports Medicine. Sport-Related Concussion: Is Research Driving Clinical Practice? Columbus, OH. February 16, 2007.

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Guskiewicz, K.M. New Concepts in Physical Conditioning & Application of Strength Training. Maldonado – Punta del Este, Uruguay, August 28, 2006

Guskiewicz, K.M. New Concepts in Physical Conditioning & Application of Strength Training. Colonia, Uruguay, August 29, 2006

Guskiewicz, K.M. Therapeutic Modalities & Rehabilitation in Healing the Injured Athlete. Montevideo, Uruguay, August 30, 2006.

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Guskiewicz, K.M. Evidence Based Approach to Injury Prevention in Sport and Exercise. Komotini, Greece, May 7, 2006.

Guskiewicz, K.M. Therapeutic Modalities & Rehabilitation in Healing the Injured Athlete Komotini, Greece, May 8, 2006

National Sportscasters and Sportswriters Association Annual Meeting. Salisbury, NC. April 27, 2003. "Sport-Related Concussion: Clearing Up the Confusion."

Visiting Lecture, 2002 University of Connecticut Sports Medicine Visiting Lecture Series. Storrs, CN. November 5, 2002. "Sport-related concussion: Bridging the gap between research and clinical practice."

DonJoy, Inc. Annual Sports Medicine/ Athletic Training Seminar. Carlsbad, CA. July 19-20, 2002. "Bridging the gap between research and clinical practice: From head to toe."

Visiting Lecture, 2001 Penn State Sports Medicine Colloquium. Pennsylvania State University, State College, PA. October 25-26, 2001. "Sport-related concussion: Bridging the gap between research and clinical practice."

Visiting Lecture in Exercise Science. University of Wisconsin, Madison, WI. April 4, 2001. "Regaining Postural Stability and Postural Control Following Injury," and "Concussion in Sport: Considerations for the Sports Medicine Clinician."

Stevens Visiting Professorship. University of Florida, Gainesville, FL. February 25-28, 2001. "Comprehensive approach to the assessment of sport-related concussion."

Visiting Lecture in Kinesiology. University of Michigan, Ann Arbor, MI. February 17, 2000. "Alternative Approaches to the Assessment of Mild Head Injury in Sport."

Bi-Annual meeting of the North Carolina Criminal Justice & Sheriffs Commission, Chapel Hill, NC. August 23, 1999. "Police Officer Physical Ability Test: Recommendations for Y2K."

Visiting Lecture Series in Sports Medicine. University of Georgia, Athens, GA. September 24, 1998. "Mild Head Injury in Sport: Developing Objective Criteria for Return to Play."

Seminar on Exercise and Aging. Carol Woods Retirement Community, Chapel Hill, NC. April 18, 1997. "Balance assessment for the aging but active."

University of North Carolina Injury Prevention Research Center Seminar Series, Chapel Hill, NC. March 19, 1997. "Effect of mild head injury on postural stability and cognitive function."

NeuroCom International's Clinical Integration Seminar, Clackamas, OR, July 12, 1996. "Evaluation of mild head injury in athletes using dynamic computerized posturography."

The Art and Science of Sports Medicine, University of Virginia, Charlottesville, VA, June 26, 1996. "Evaluation of mild head injury in sports"

Chippenham Medical Center Sports Injury Seminar, Chippenham Medical Center, Richmond Virginia, February 28, 1996 - "Assessment of mild head injury and return to play guidelines"

Sports Medicine Telemedicine Conference, University of North Carolina School of Medicine & Northampton County Schools, November 21, 1995 - "Sports medicine in the 90's: An update"

The Art and Science of Sports Medicine, University of Virginia, Charlottesville, VA, June 28, 1995 - "Mild head injury in sports: objective assessment for return to play"

The Art and Science of Sports Medicine, University of Virginia, Charlottesville, VA, June 20, 1994 - "Mild head injury in sports"

Athletic Injuries (Guest Lecturer), University of Virginia, Charlottesville, VA, November 26, 1993 - "Common Knee injuries in athletics" and "Clinical assessment of knee injuries"

Athletic Injury Teleconference, Division of Continuing Education in conjunction with the Sports Medicine Department, University of Virginia, Charlottesville, VA, October 21 & 28, 1992 - "Injury classification" and "Tissue response to injury"

Sewickly YMCA, Sewickly, PA, May 30, 1991 - "Nutritional considerations for the growing athlete"

GRANTS AND EXTERNAL FUNDING

Federal Agencies:

Co-Principal Investigator, *\$1,100,000* with U.S. Department of Defense and National Collegiate Athletic Association – “NCAA-DOD GRAND ALLIANCE: Concussion Assessment, Research and Education (CARE) Consortium. (Awarded July 2014.)

Co-Investigator; Project Leader, *\$2,000,000* with Department of Defense (Chronic Effects of Neurotrauma Consortium (CENC) – “Association Between Repetitive TBI And Neuropsychological, Neuroimaging, and Blood Biomarkers In Military Service Members And Elite-Level Athletes.” Laskowitz, D & Grant, G (PI), Guskiewicz K, Bazarian J, Mihalik, J. (Submitted January 2013 – not funded).

Co-Investigator, *\$1,500,000* with Department of Defense (U.S. Army Medical Research and Materiel Command) – “A Novel Tool for Field Assessment of Mild Traumatic Brain Injury.” Espinoza, T & Phelps, S (PI), Wright, D, Guskiewicz, K, and Bazarian, J. (Funded: November 2012).

Principal Investigator, *\$2,799,000* with Department of Defense (CDMRP) – “A Prospective Study of Dual Task Rehabilitation Interventions for Treating Individuals with Traumatic Brain Injury.” Guskiewicz K, Mihalik JP, McCulloch K, Register-Mihalik, J, et al. (Submitted September 2010 – not funded).

Principal Investigator, *\$3,043,595* with National Institutes of Health - “Association Between MTBI, Dementia and IPV in Retired Professional Football Players.” Guskiewicz K, Marshall S, Moracco B, Kaufer D, Thompson K, Smith JK, et al. (Submitted: June 2009 – not funded).

Principal Investigator, *\$1,098,500* with Centers for Disease Control and Prevention- “Association Between MTBI, Dementia and IPV in Retired Professional Football Players.” Guskiewicz K, Marshall S, Moracco B, Kaufer D, Thompson K, Smith JK, et al. (Submitted: September 1, 2008 – not funded).

Co-Investigator, *\$150,000* with U.S. Department of Defense - “Validation of the Military Acute Concussion Evaluation (MACE) for In-Theater Evaluation of Combat-Related Traumatic Brain Injury.” McCrea M, Guskiewicz KM, Helmick K, and Jaffee (Awarded: August 2008).

Principal Investigator, *\$600,000* with U.S. Department of Defense – “Association between mild traumatic brain injury and chronic clinical depression and neurodegenerative dementing disorders.” Guskiewicz KM, Marshall SW, Kaufer D, Giovanell K, Smith JK, et al. (Submitted: October 2007 – not funded).

Co-investigator, *\$1,300,000* with National Institute of Health (NIH) - “Epidemiology of Jump-Landing Movements and ACL Injury.” Marshall SW, Padua DA, Guskiewicz KM, Yu B, Garrett WE, Kirkendall D, Evenson K, Wolf SH, Gregory E (Awarded: December 2004).

Principal Investigator, *\$579,354* with Centers for Disease Control and Prevention- “Prospective investigation of sport-related concussion: Relationship between biomechanical, neuroanatomical, and clinical factors.” Guskiewicz KM, Marshall SW, Smith K, Lin W, Ciocca M, Hooker D, Oliaro S, Crowell D (Awarded: September 2004).

Principal Investigator, \$500,000 with Centers for Disease Control and Prevention- “Validation of methods to assess outcomes of MTBI” Guskiewicz KM, Hammeke T, McCrea M, Randolph C, Barr W, Kelly J, Marshall S, Runyan CW, and Hargarten S (Submitted July 2003 – not funded).

Principal Investigator, \$1,533,442 with Department of Defense - Peer Reviewed Medical Research Program (PRMRP); Supplement to US Army Medical Research Materiel Command Broad Agency Announcement 02-1 – “Association between mild traumatic brain injury and chronic clinical depression and neurodegenerative dementing disorders.” Guskiewicz KM, Longo F, McCrea M, Marshall S, Robertson K, Smith K, Lin W, Randolph C, Cantu R, Bleiberg J (Submitted: April 2003 – not funded).

Co-investigator, \$244,000 with National Institute of Health (NIH) - “Epidemiology of Jump-Landing Movements and ACL Injury.” Marshall SW, Padua DA, Guskiewicz KM, Yu B, Garrett WE, Kirkendall D, Evenson K, Wolf SH, Gregory E (Submitted: February 2003 – not funded).

Principal Investigator, \$126,000 with Centers for Disease Control and Prevention- “Computerized neuropsychological testing for sport-related mild head injury (MHI) in sport: A prevention initiative.” Guskiewicz KM, Mueller FO, Marshall SW, McCrea M, Cantu RC, Bleiberg J. (Awarded: October, 2001).

Co-Investigator, \$173,000 with Centers for Disease Control and Prevention- "Reducing falls through improved balance in older adults: A pilot intervention." Marshall SW, Guskiewicz KM, Hogue CC, et al. (Awarded: June 2000).

Principal Investigator, \$485,000 with Centers for Disease Control and Prevention- "Prospective investigation of mild head injury (MHI) in sport: A prevention initiative." Guskiewicz KM, Marshall SW, Mueller FO, et al. (Awarded: September, 1999).

National Foundations:

Co-Principal Investigator, \$424,816 with the National Football League – “On-Field Monitoring and Recording of Head Impacts Sustained by NFL players.” Guskiewicz, K, and Mihalik, J. (Awarded October 2013).

Co-Principal Investigator, \$800,000 with the National Collegiate Athletic Association – “A prospective, longitudinal study of head impact exposure, neurologic health and brain imaging biomarkers in former NCAA athletes: 15 year follow-up of the original NCAA Concussion Study.” Guskiewicz, K, and McCrea, M. (*Funding split between UNC and MCW*). (Awarded August 2013).

Principal Investigator, \$99,998,876 with National Football League Players Association - “Advancing the Frontiers of Research in Professional Football: Safeguarding the Health of Active and Former NFL Players.” Guskiewicz, Marshall, McCrea (Submitted August 2012 – not funded).

Co-Principal Investigator, \$400,000 with National Collegiate Athletic Association – “The National Sport Concussion Outcomes Study (NSCOS)” Giza C, Kutcher J, Guskiewicz K, McCrea M, Eckner JT, Broglio S. (Awarded: July 2012).

Co-Principal Investigator, \$99,165 with NFL Charities – “Association between football exposure and dementia in retired football players.” Guskiewicz KM and Marshall SW (Awarded December 2010)

Principal Investigator, \$98,000 with NFL Players Association – “Association between football exposure and dementia in retired football players.” Guskiewicz KM (Submitted April 2010)

Co-Principal Investigator, \$12,600 with NFL Charities – “Concussion Knowledge, Attitudes and Practices of High School Athletes and Coaches.” Guskiewicz K, and Mihalik JR (Awarded November 2008).

Principal Investigator, \$282,000 with National Operating Committee on Standards for Athletic Equipment – “Prospective investigation of sport-related concussion: Relationship between biomechanical, neuroanatomical, and clinical factors: Part II.” Guskiewicz KM, Mihalik JP, Marshall SW, Smith JK (Awarded: February 2009).

Principal Investigator, \$258,000 with Martek Biosciences, Corp. – “Docosahexaenoic Acid (DHA) Supplementation in Retired Professional Football Players.” Guskiewicz KM, Bailes JM, Marshall SW (Awarded: June 2008).

Principal Investigator, \$165,000 with National Operating Committee on Standards for Athletic Equipment – “Prospective Evaluation of Head Impacts in Youth Ice Hockey: Part II.” Guskiewicz KM, Mihalik JP, Marshall SW, Greenwald R (Awarded: January 2008).

Co-Principal Investigator, \$300,000 with National Operating Committee on Standards for Athletic Equipment – “Hypopituitarism in Retired Professional Football Players.” Kelly D, Guskiewicz KM. (Awarded: February 2008).

Co-Principal Investigator, \$225,000 with The Ontario Neurotrauma Foundation – “Prospective Analysis of Head Impacts Sustained in Bantam-Aged Minor Hockey Players.” Guskiewicz KM, and Montepare W (Awarded: March 2006).

Principal Investigator, \$160,000 (\$40,000 for 4 years) – National Football League Players’ Association – “Investigating the Health of Retired NFL Players” (Awarded: June 2005).

Principal Investigator, \$240,000 with Medtronic – Sofamor-Danek – “Investigation of Back Pain in Retired Professional Football Players” Guskiewicz KM, Bailes J, Taft T, Hooker D (Awarded: September 2004).

Principal Investigator, \$240,000 with Alzheimer’s Association – “Association between cerebral concussion and mild cognitive impairment (MCI) later in life.” Guskiewicz KM, Kaufer D, McCrea M, Marshall SW, Smith K, Lin W. (Submitted: December 2004 – not funded).

Principal Investigator, \$300,000 with American Health Assistance Foundation – “Association between cerebral concussion and mild cognitive impairment (MCI) later in life.” Guskiewicz KM, Robertson K, Longo F, McCrea M, Marshall SW, Smith K, Lin W, Bailes J. (Submitted: September 2004 – not funded).

Principal Investigator, \$240,000 with Alzheimer’s Association – “Association between cerebral concussion and mild cognitive impairment (MCI) later in life.” Guskiewicz KM, Robertson K, Longo F, McCrea M, Marshall SW, Smith K, Lin W, Bailes J. (Submitted: December 2003 – not funded).

Principal Investigator, \$200,000 with National Football League Charities - "Association between mild traumatic brain injury and neurodegenerative dementing disorders." Guskiewicz KM, Longo F, McCrea M, Marshall S, Robertson K, Smith K, Lin W, Randolph C, Cantu R, (Submitted: May, 2003 – not funded).

Principal Investigator, \$240,000 with Alzheimer's Association – "Association between cerebral concussion and mild cognitive impairment (MCI) later in life." Guskiewicz KM, Robertson K, Longo F, McCrea M, Marshall SW, Smith K, Lin W, Bailes J. (Submitted: December 2002 – not funded).

Co-investigator, \$114,465 with American Orthopaedic Society for Sports Medicine (AOSSM)- "Epidemiology of Jump-Landing Movements and ACL Injury." Marshall SW, Padua DA, Guskiewicz KM, Yu B, Garrett WE, Kirkendall D (Awarded: December 2002).

Co-Investigator, \$10,000 with National Federation of State High School Associations (NFHS)- "A prospective study on injury assessment, return to play and outcome following concussion in high school athletes." McCrea M, Hammeke T, Guskiewicz KM, et al. (Awarded: June 2001).

Co-Principal Investigator, \$10,000 with National Operating Committee on Standards for Athletic Equipment- "A Prospective Study on Injury Assessment, Return to Play and Outcome Following Concussion in Collegiate Football Players." Guskiewicz KM and McCrea M. (Awarded: July 2000 for continuation of NCAA funded project - see below).

Co-Investigator, \$12,000 with National Federation of State High School Associations (NFHS)- "A prospective study on injury assessment, return to play and outcome following concussion in high school athletes." McCrea M, Hammeke T, Guskiewicz KM, et al. (Awarded: June 2000).

Principal Investigator, \$45,990 with National Operating Committee on Standards for Athletic Equipment- "A Prosepective study on injury assessment, return to play and outcomes following concussion in athletes." Guskiewicz KM, McCrea M, Marshall SW, et al. (Awarded: July 1999).

Co-Principal Investigator, \$40,000 with National Collegiate Athletic Association- "A Prospective Study on Injury Assessment, Return to Play and Outcome Following Concussion in Collegiate Football Players." Guskiewicz KM and McCrea M. (Awarded: February 1999).

Co-Investigator, \$1,000 with Mid-Atlantic Athletic Trainers' Association-"Cumulative Effects of Multiple Treatments of Phonophoresis with Dexamethasone on Serum Dexamethasone and Cortisol Levels." Strapp E, Guskiewicz KM, Forman S., et al. (Awarded: April 1999).

Principal Investigator, \$84,095 with National Operating Committee on Standards for Athletic Equipment - "Effect of mild head injury on cognition and postural stability." Guskiewicz KM, Mueller FO, Perrin DH, et al. (Awarded: August 1996).

Co-Principal Investigator, \$10,000 with National Athletic Trainers' Association Research and Education Foundation - "Effect of mild head injury on postural stability." Guskiewicz KM and Perrin DH. (Awarded: June 1996)

Co-Principal Investigator, \$15,000 with National Athletic Trainers' Association Research and Education Foundation - "Effect of mild head injury on cognition and postural stability." Guskiewicz KM and Perrin DH. (Awarded January 1995).

Principal Investigator, \$1,250 with District III - National Athletic Trainers' Association. - "Effect of mild head injury on postural stability and cognition." Guskiewicz KM. (Awarded: April 1995).

Local and University Centers:

Research Director, *Center for the Study of Retired Athletes at UNC-CH*. Secured \$250,000 from internal and external sources to develop and operate the center for the initial 3 years. (Developed: September 2000).

Co- Investigator, \$35,000 with Waukesha Service Club (Charitable Grant). "Neurocognitive Functioning and Brain Activation in Acute MTBI: A Neuropsychological and Functional MRI Study. (Awarded: March 2001).

Co-Investigator, \$2,940 with Injury Prevention Research Center, University of North Carolina- "Response of Bone Mineral Density and Serum Hormone Levels Following Exercise Modifications in Amenorrheic Athletes." Peterson S, Guskiewicz KM, Hackney AC, et al. (Awarded: February 1999).

Co-Investigator, \$3,099 with Injury Prevention Research Center, University of North Carolina- "Cumulative Effects of Multiple Treatments of Phonophoresis with Dexamethasone on Serum Dexamethasone and Cortisol Levels." Strapp E, Guskiewicz KM, Forman S., et al. (Awarded: March 1999).

GRANT REVIEW PANELS

National Football League Charities, November 2010 to 2013

National Institutes of Health, Clinical Neuroscience and Disease Study Section, 2005-2010

Alzheimer's Association, 2004-2006

National Athletic Trainers' Association Research and Education Foundation, 1997 to present

Mid-Atlantic Athletic Trainers' Association, 1995-2001

CONSULTING

Under Armour Head Health Challenge; 2013-2014.

Centers for Disease Control and Prevention's (CDC) Traumatic Brain Injury Round Table. Atlanta, GA. October 16 -17, 2012.

Helmet Sensors & Eye Protection and PM-Soldier Protective Equipment, Ft. Belvoir, VA; October 3, 2012.

Defense Centers of Excellence for Psychological Health and Traumatic brain Injury Clinical Standards of Care, Chrystal City, Arlington, VA; July 16-17, 2012.

Defense and Veterans Brain Injury Center (DVBIC), Comparing concussion issues in military personnel to concussion in athletes, Walter Reed Hospital, Washington, DC, September 15-16, 2008.

North Carolina Department of Corrections. Development of a Correction Officer Physical Ability Test (COPAT), October 15, 2006 – April 15, 2008.

ANAM Sports Medicine Battery (ASMB) Working Group; Principal Investigator: Joseph Bleiberg, National Rehabilitation Hospital, Washington, DC, February 2004 – January 2005

North Carolina Criminal Justice & Sheriffs Commission. Development of a New Police Officer Physical Ability Test (POPAT) for Basic Law Enforcement Testing - 2000 (BLET 2000), January 1998 - March 2000

University of Michigan Undergraduate Athletic Training curriculum development, February 2000

Ohio State University Undergraduate Athletic Training curriculum development, October 1998

Becton Dickinson Consumer Products, Conducted at the University of Virginia, October 1993 to February 1994. Vaughan C.L. & Guskiewicz, K.M. "Testing of five sports tapes: A clinical study"

Becton Dickinson Consumer Products, Conducted at the University of Virginia, October 1993 to February 1994. Vaughan C.L. & Guskiewicz, K.M. "Testing of four neoprene braces: A clinical study"

MEMBERSHIPS/CERTIFICATIONS

Athletic Trainer Certified - National Athletic Trainers' Association: Member #890444, Certification #2-1827

American College of Sports Medicine

American Academy of Kinesiology and Physical Education

Athletic Training Research and Education Society - Vice President (1993-1995)

First Aid, CPR & Responding to Emergencies Instructor Certified, American Red Cross

Emergency Medical Service First Responder Certified - Commonwealth of Virginia

First Aid and CPR Certified, American Red Cross

OTHER POSITIONS/APPOINTMENTS

ACSM/ AMSSM Team Physician Concussion Consensus Statement Writing Group, 2011

American Academy of Neurology Practice Parameter Writing Group, 2010 – present

National Football League's Head, Neck, and Spine Safety Committee, 2010 to present
Chair, Equipment Safety and Rules Sub-Committee

National Collegiate Athletic Association's Concussion Committee, 2010 to present

National Football League Player's Association Mackey-White Committee, 2009 to present

National Athletic Trainers' Association Convention Committee, 1998 to 2001
Program Chair, 2000 Annual Meeting, Nashville, TN., June 28 - July 2, 2000.

National Athletic Trainers' Association Education Council, Graduate Program Review
Committee, 1999 to July 2005

National Athletic Trainers' Association Education Council, Clinical Education Committee,
1997 to 1998

**Chair, National Athletic Trainers' Association Pronouncement Committee on Mild Head
Injury**, 1997 to 2004

Secretary: Atlantic Coast Conference Sports Medicine Society, 1996 to 1999

-- Updated January 8, 2015 --