
JASON P. MIHALIK, PHD, CAT(C), ATC

PERSONAL INFORMATION

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EDUCATION

The University of North Carolina at Chapel Hill, Chapel Hill, NC
Doctor of Philosophy, Interdisciplinary Curriculum in Human Movement Science, August 2009
School of Medicine, Department of Allied Health Sciences
Member, Royster Society of Fellows
Dissertation: The study of head impact biomechanics in adolescent and youth minor ice hockey players

University of Pittsburgh, Pittsburgh, PA
Master of Science, Sports Medicine, December 2004
School of Health and Rehabilitation Sciences, Department of Sports Medicine and Nutrition
Thesis: The relationship between force platform measures and total body center of mass

Concordia University, Montreal, Quebec, Canada
Bachelor of Science, Exercise Science—Athletic Therapy Specialization, May 2001
Faculty of Arts and Science, Department of Exercise Science

PROFESSIONAL EXPERIENCE

The University of North Carolina at Chapel Hill, Chapel Hill, NC
Department of Exercise and Sport Science, College of Arts and Sciences
Assistant Professor, July 2010 to present
Co-Director, Matthew A. Gfeller Sport-Related TBI Research Center, July 2011 to present
Kenan Junior Faculty Fellow, July 2010 to June 2013
Director, Exercise and Sport Science Cadaver Anatomy Laboratory, July 2009 to present
Visiting Lecturer, July 2009 to June 2010

Injury Prevention Research Center
Traumatic Brain Injury Program Area Leader, October 2013 to present

Department of Allied Health Sciences, School of Medicine
Adjunct Assistant Professor, November 2013 to present

Division of Occupational Science, Department of Allied Health Sciences, School of Medicine
Adjunct Instructor, Fall 2007 & 2008 (OCCT 718)

University of Pittsburgh, Pittsburgh, PA
Department of Sports Medicine, School of Health & Rehabilitation Sciences
Graduate Assistant/Athletic Trainer, August 2002 to May 2004

Concordia University, Montreal, Quebec, Canada
Department of Exercise Science
Teaching Assistant, August 2001 to May 2002

HONORS

- 2016 Nominated, New Investigator Award, National Athletic Trainers' Association Research and Education Foundation
- 2015 National winner, Canadian Athletic Therapists Association Writing Award
- 2015 UNC Chancellor's Faculty Entrepreneurship Boot Camp
- 2014 Advancement of Science Award, Neuro-Optometric Rehabilitation Association
- 2014 National winner, Canadian Athletic Therapists Association Writing Award
- 2014 Nominated, New Investigator Award, National Athletic Trainers' Association Research and Education Foundation
- 2013 Nominated, New Investigator Award, National Athletic Trainers' Association Research and Education Foundation
- 2012 Triangle Sports Medicine Community Service Award
- 2012 National winner, Canadian Athletic Therapists Association Writing Award
- 2012 Runner-up, Medical smartphone app of the year, The Appys
- 2011 David H. Perrin Doctoral Dissertation Award Winner, National Athletic Trainers' Association Research and Education Foundation
- 2011 National winner, Canadian Athletic Therapists Association Writing Award
- 2010 Kenan Junior Faculty Fellow, University of North Carolina at Chapel Hill
- 2010 National winner, Canadian Athletic Therapists Association Writing Award
- 2009 First Runner-Up, NATA Kenneth L. Knight Award for the Outstanding Research Manuscript
- 2009 National winner, Canadian Athletic Therapists Association Writing Award
- 2008 Invited attendee, Third Annual National Institutes of Health National Graduate Student Research Festival (Bethesda, MD)
- 2008 Winner, NATA Outstanding Doctoral Student Research Presentation Award (Co-Investigator)
- 2008 National winner, Canadian Athletic Therapists Association Writing Award
- 2007 Winner, NATA Outstanding Doctoral Student Research Poster Award (Principal Investigator)
- 2007 Nominee, NATA Outstanding Masters Student Research Presentation Award (Co-Investigator)
- 2007 National winner, Canadian Athletic Therapists Association Writing Award
- 2007 Winner, Graduate Education Advancement Board Recognition Award, The University of North Carolina at Chapel Hill
- 2006 Winner, NATA Doctoral Student Scholarship Award
- 2006 Winner, NATA Outstanding Master's Student Research Award (Co-Investigator)
- 2006 Nominee, NATA Outstanding Doctoral Student Research Award (Principal Investigator)
- 2006 Nominee, NATA Outstanding Doctoral Student Research Award (Co-Investigator)
- 2006 Nominee for 2 separate studies, NATA Outstanding Master's Student Research Award (Co-Investigator)
- 2006 Finalist, Canadian Athletic Therapists Association Writing Award
- 2006 Award of Distinction, EATA Grad. Student Abstract Research Presentation (Co-Investigator)
- 2005 Finalist, NATA Outstanding Doctoral Student Research Award (Principal Investigator)
- 2005 National winner, Canadian Athletic Therapists Association Writing Award
- 2004 Recipient, Caroline H. and Thomas S. Royster, Jr. 5-year Fellowship, The Graduate School, The University of North Carolina at Chapel Hill

BIBLIOGRAPHY & PRODUCTS OF SCHOLARSHIP

Notes: * Senior author; † Mentored postdoctoral or graduate trainee; ‡ Mentored undergraduate student

A. Books and Chapters (10)

Mihalik JP, Lynall RC†, & Guskiewicz KM. (2017). Brain injuries. In DJ Casa & RL Stearns (Eds.), *Preventing sudden death in sport and physical activity, 2nd Edition*. (pp. 97-126). Boston, MA: Jones and Bartlett Learning.

Casa DJ, Stearns RL, **Mihalik JP**, & Ganio MS. (2016). The unique challenges of field research. In LE Armstrong & WJ Kraemer (Eds.), *ACSM's research methods for exercise science*. (pp. 163-184). Indianapolis, IN: American College of Sports Medicine.

Mihalik JP & Guskiewicz KM. (2015). Brain injuries. In DJ Casa & RL Stearns (Eds.), *Emergency management for sport and physical activity*. (pp. 83-96). Boston, MA: Jones and Bartlett Learning.

Mihalik JP & Littleton AC. (2015). What is the value of baseline testing? In TC Valovich McLeod (Ed.), *Quick questions in sport-related concussion*. (pp. 33-37). Thorofare, NJ: Slack, Inc.

Mihalik JP & Schmidt JD. (2015). Can protective equipment or strengthening the neck decrease the risk of concussion? In TC Valovich McLeod (Ed.), *Quick questions in sport-related concussion*. (pp. 53-57). Thorofare, NJ: Slack, Inc.

Mihalik JP & Lynall RC†. (2015). How do head impact indicators work and is there value in recommending that patients purchase them? In TC Valovich McLeod (Ed.), *Quick questions in sport-related concussion*. (pp. 177-181). Thorofare, NJ: Slack, Inc.

Register-Mihalik JK & **Mihalik JP**. (2015). Are there any rehabilitation exercises you can do to help a concussed athlete heal faster? In TC Valovich McLeod (Ed.), *Quick questions in sport-related concussion*. (pp. 141-143). Thorofare, NJ: Slack, Inc.

Mihalik JP. (2012). Biomechanics of Sports Concussion. In MW Kirkwood & KO Yeates (Eds.), *Mild traumatic brain injury in children and adolescents: From basic science to clinical management* (pp. 38-52). New York, NY: Guilford Press.

Mihalik JP & Guskiewicz KM. (2012). Brain injuries. In DJ Casa (Ed.), *Preventing sudden death in sport and physical activity* (pp. 79-108). Boston, MA: Jones and Bartlett Learning.

Guskiewicz KM & **Mihalik JP**. (2006). The biomechanics and pathomechanics of sport-related concussion: Looking at history to build the future. In S Slobounov & W Sebastianelli (Eds.), *Foundations of sport-related brain injuries* (pp. 65-83). New York, NY: Springer Publishing Company.

C. Refereed Papers/Articles (85)

Lynall RC†, Pietrosimone BG, Kerr ZY, Mauntel TC, **Mihalik JP**, & Guskiewicz KM. (2016). Associations between osteoarthritis and concussion history in retired NFL players. *Journal of Athletic Training*. (In Press).

Myer GD, Yuan W, Barber Foss KD, Smith D, Altaye M, Reches A, Leach J, Kiefer A, Khoury J, Weiss M, Thomas S, Dicesare C, Adams J, Gubanich P, Geva A, Clark J, Meehan WP, **Mihalik JP**, & Krueger D. (2016). The effects of external jugular compression applied during head impact exposure on longitudinal changes in brain neuroanatomical and neurophysiological biomarkers: A preliminary investigation. *Frontiers in Neurology (Neurotrauma)*. (In Press).

Kuo C, Wu LC, Hammor BT, Luck JF, Cutcliffe HC, Lynall RC†, Kait JR, Campbell KR†, **Mihalik JP**, Bass CR, & Camarillo DB. (2016). Effect of the Mandible on Mouthguard Measurements of Head Kinematics. *Journal of Biomechanics*. (In Press).

Schmidt JD, Guskiewicz KM, **Mihalik JP**, Blackburn JT, Siegmund GP, & Marshall SW. (2016). Head impact severity in American high school football. *Pediatrics*. (In Press).

Urban JE, Konczal E, Kopacki M, Register-Mihalik JK, **Mihalik JP**, Stitzel JD, & Rosenbaum DA. (2016). Presence of athletic trainers in a youth football organization: A single institution's experience. *Athletic Training & Sports Health Care*. (In Press).

Schmidt JD, Pierce AF†, Guskiewicz KM, Register-Mihalik JK, Pamukoff DN, & **Mihalik JP***. (2016). Influence of safe play knowledge and aggression on head impact biomechanics in adolescent ice hockey players. *Journal of Athletic Training*. (In Press).

Lynall RC†, Clark MD, Grand EE, Stucker JC†, Littleton AC, Aguilar AJ, Petschauer MA, Teel EF†, & **Mihalik JP***. (2016). Head impact biomechanics in women's college soccer. *Medicine & Science in Sports & Exercise*. (In Press).

Liao S‡, Lynall RC†, & **Mihalik JP***. (2016). The effect of head impact location on day of diagnosed concussion in college football. *Medicine & Science in Sports & Exercise*. Epub ahead of print on February 11, 2016. (In Press).

Mihalik JP, Lynall RC†, Fraser MA, Decoster LC, De Maio VJ, Patel AP, & Swartz EE. (2016). Football equipment removal improves chest compression and ventilation efficacy. *Prehospital Emergency Care*. Epub ahead of print on March 17, 2016. (In Press).

Asken BME‡, **Mihalik JP***, Schmidt JD, Littleton AC, Guskiewicz KM, & Hopfinger JB. (2016). Visual performance measures and functional implications in healthy participants: A sports concussion perspective. *Athletic Training & Sports Health Care*. Epub ahead of print on March 30, 2016. (In Press).

Lynall RC†, Schmidt JD, **Mihalik JP**, & Guskiewicz KM. (2016). The clinical utility of a concussion rebaseline protocol after concussion recovery. *Clinical Journal of Sports Medicine*. Epub ahead of print on November 17, 2015. (In Press).

DeFreese JD & **Mihalik JP**. (2016). Work-based social interactions, perceived stress and workload incongruence as antecedents of athletic trainer burnout. *Journal of Athletic Training*, 51(1), 28-34.

Lynall RC†, Kerr ZY, Parr MS‡, Hackney AC, & **Mihalik JP***. (2016). Division I college football concussion rates are higher at higher altitudes. *Journal of Orthopaedic & Sports Physical Therapy*, 46(2), 96-103.

Lynall RC†, Mauntel TC, Padua DA, & **Mihalik JP***. (2015). Acute lower extremity injury rates increase after concussion in college athletes. *Medicine & Science in Sports & Exercise*, 47(12), 2487-2492.

Lenhardt CS†, **Mihalik JP***, Lynall RC†, Fraser MA, Petschauer MA, & Swartz EE. (2015). The effect of football shoulder pad removal technique and equipment removal training on cervical spine motion, time to task completion, and perceived task difficulty. *Athletic Training & Sports Health Care*, 7(6), 232-241.

Littleton AC, Schmidt JD, Register-Mihalik JK, Guskiewicz KM, Waicus KM, Gioia GA, & **Mihalik JP**. (2015). Effects of attention deficit hyperactivity disorder and stimulant medication on concussion symptom reporting and computerized neurocognitive test performance. *Archives of Clinical Neuropsychology*, 30(7), 683-693.

Pietrosimone BG, Golightly YM, **Mihalik JP**, & Guskiewicz KM. (2015). Concussion frequency associates with musculoskeletal injury in retired NFL players. *Medicine & Science in Sports & Exercise*, 47(11), 2366-2372.

Schmidt JD, Guskiewicz KM, **Mihalik JP**, Blackburn JT, Siegmund GP, & Marshall SW. (2015). Does visual performance influence head impact severity among high school football athletes? *Clinical Journal of Sports Medicine*, 25(6), 494-501.

Swartz EE, **Mihalik JP**, Decoster LC, Al-Darraj SJ, & Bric JD. (2015). Emergent access to the airway and chest in American football. *Journal of Athletic Training*, 50(7), 681-687.

Smith AM, Stuart MJ, Dodick DW, Roberts WO, Alford PW, Ashare AB, Aubrey M, Benson BW, Burke CJ, Dick R, Eickhoff C, Emery CA, Flashman LA, Gaz D, Giza CC, Greenwald RM, Herring S, Hoshizaki TB, Hudziak JJ, Huston III J, Krause D, LaVoi N, Leaf M, Leddy JJ, MacPherson A, McKee AC, **Mihalik JP**, Moessner AM, Montelpare WJ, Putukian M, Schneider KJ, Szalkowski R, Tabrum M, Whitehead J, & Wiese-Bjornstal DM. (2015). Ice Hockey Summit II: Zero Tolerance for Head Hits and Fighting. *Clinical Journal of Sports Medicine*, 25(2), 78-87.

These proceedings were published concurrently in the following journals:
Current Sports Medicine Reports, 14(2), 135-144.
PM&R, 7(3), 283-295.

Kerr ZY, **Mihalik JP**, Guskiewicz KM, Rosamond WD, Evenson KR, & Marshall SW. (2015). Agreement between athlete-recalled and clinically documented concussion histories in former collegiate athletes. *American Journal of Sports Medicine*, 43(3), 606-613.

Mihalik JP, Lynall RC†, Teel EF†, & Carneiro KA. (2014). Concussion management in soccer. *Journal of Sport and Health Science*, 3(4), 307-313.

Kerr ZY, Evenson KR, Rosamond WD, **Mihalik JP**, Guskiewicz KM, & Marshall SW. (2014). Association between concussion and mental health in former collegiate athletes. *Injury Epidemiology*, 1, 28.

Kerr ZY, Collins CL, **Mihalik JP**, Marshall SW, Guskiewicz KM, & Comstock RD. (2014). Impact locations and concussion outcomes in high school football player-to-player collisions. *Pediatrics*, 134(3), 489-496.

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. *American Journal of Sports Medicine*, 42(9), 2056-2066.

Kerr ZY, Register-Mihalik JK, Marshall SW, Evenson KR, **Mihalik JP**, & Guskiewicz KM. (2014). Disclosure and non-disclosure of concussion and concussion symptoms in athletes: Review and application of the socio-ecological framework. *Brain Injury*, 28(8), 1009-1021.

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.

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. *Journal of Science and Medicine in Sport*, 17(6), 580-585.

Swartz EE, **Mihalik JP**, Beltz EM, Day MA, & Decoster LC. (2014). Face mask removal is safer than helmet removal for emergent airway access in American football. *The Spine Journal*, 14(6), 996-1004.

Williams RM, Valovich McLeod TC, Register-Mihalik JK, **Mihalik JP**, Marshall SW, Linnan LA, & Guskiewicz KM. (2014). A preliminary study of helmet fit characteristics and knowledge. *Athletic Training & Sports Health Care*, 6(5), 206-212.

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? *Journal of Neurosurgery*, 120(4), 919-922.

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.

Lynall RC†, Laudner KG, **Mihalik JP**, & Stanek J. (2013). Concussion-assessment and -management techniques used by athletic trainers. *Journal of Athletic Training*, 48(6), 844-850.

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: Best-practices recommendations. *Journal of Athletic Training*, 48(4), 546-553.

Register-Mihalik JK, Guskiewicz KM, **Mihalik JP**, Schmidt JD, Kerr ZY, & McCrea MA. (2013). Reliable change, sensitivity, and specificity of a multidimensional concussion assessment battery: Implications for caution in clinical practice. *Journal of Head Trauma Rehabilitation*, 28(4), 274-283.

Friedline Weber A†, **Mihalik JP***, Register-Mihalik JK, Mays S, Prentice WE, & Guskiewicz KM. (2013). Dehydration affects performance on clinical concussion measures in collegiate wrestlers. *Journal of Athletic Training*, 48(2), 153-160.

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.

Stiffler M‡, **Mihalik JP***, Register-Mihalik JK, & Ingriselli JM. (2013). Cognition and balance performance following a single-task training intervention in healthy collegiate recreational students: A preliminary study. *Athletic Training & Sports Health Care*, 5(2), 63-68.

Casa DJ, Anderson SA, Baker L, Bennett S, Bergeron MF, Connolly D, Courson R, Drezner JA, Eichner ER, Epley B, Fleck S, Franks R, Guskiewicz KM, Harmon KG, Hoffman J, Holschen JC, Jost J, Kinniburgh A, Klossner D, Lopez RM, Martin G, McDermott BP, **Mihalik JP**, Myslinski T, Pagnotta K, Poddar S, Rodgers G, Russell A, Sales L, Sandler D, Stearns RL, Stiggins C, & Thompson C. (2012). The Inter-Association Task Force for preventing sudden death in collegiate conditioning sessions: Best practices recommendations. *Journal of Athletic Training*, 47(4), 477-480.

Swartz EE, **Mihalik JP**, Decoster LC, & Hernandez AE. (2012). A study of emergency American football helmet removal techniques. *The American Journal of Emergency Medicine*, 30(7): 1163-1168.

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. *Journal of Athletic Training*, 47(3), 297-305.

Schmidt JD, Register-Mihalik JK, **Mihalik JP**, Kerr ZY, & Guskiewicz KM. (2012). Identifying impairments after concussion: Normative data vs. individualized baselines. *Medicine & Science in Sports & Exercise*, 44(9), 1621-1628.

Mathers C, **Mihalik JP**, Andrews D, Watkins S, Puzzuto P, & Kiecke D. (2012). Using in-ear accelerometers to measure head acceleration and angular rate: A pilot study. *Athletic Training and Sports Health Care*, 4(4), 158-164.

Mihalik JP, Guskiewicz KM, Marshall SW, Blackburn JT, Cantu RC, & Greenwald RM. (2012). Head impact biomechanics in youth hockey: Comparisons across playing position, event types, and impact locations. *Annals of Biomedical Engineering*, 40(1), 141-149.

Ocwieja KE†, **Mihalik JP***, Marshall SW, Schmidt JD, Trulock SC, & Guskiewicz KM. (2012). The effect of play type and collision closing distance on head impact biomechanics. *Annals of Biomedical Engineering*, 40(1), 90-96.

Gysland SM†, **Mihalik JP***, Register-Mihalik JK, Trulock SC, Shields EW, & Guskiewicz KM. (2012). The relationship between subconcussive impacts and concussion history on clinical measures of neurologic function in collegiate football players. *Annals of Biomedical Engineering*, 40(1), 14-22.

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

Ross LM, Register-Mihalik JK, **Mihalik JP**, McCulloch KL, Prentice WE, Shields EW, & Guskiewicz KM. (2011). 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*, 20(3), 296-310.

Smith AM, Stuart MJ, Greenwald RM, Benson BW, Dodick DW, Emery CA, Finnoff JT, **Mihalik JP**, Roberts WO, Sullivan CA, & Meeuwisse WH. (2011). Proceedings from the Ice Hockey Summit on Concussion: A call to action. *Clinical Journal of Sports Medicine*, 21(4), 281-287.

These proceedings were published concurrently in the following journals:

Current Sports Medicine Reports, 10(4), 233-239. (2011).

American Journal of Physical Medicine & Rehabilitation, 90(8), 694-703. (2011).

The Clinical Neuropsychologist, 25(5), 689-701. (2011).

PM&R, 605-612. (2011).

Swartz EE, Hernandez AE, Decoster LC, **Mihalik JP**, Burns MF, & Reynolds C. (2011). Prehospital emergency removal of football helmets using two techniques. *Prehospital Emergency Care*, 15(2), 166-174.

Guskiewicz KM & **Mihalik JP**. (2011). Biomechanics of sport concussion: Quest for the elusive injury threshold. *Exercise and Sport Sciences Reviews*, 39(1), 4-11.

Mihalik JP, Blackburn JT, Greenwald RM, Cantu RC, Marshall SW, & Guskiewicz KM. (2010). Collision type and player anticipation affect head impact severity in youth ice hockey players. *Pediatrics*. DOI: 10.1542/peds.2009-2849, e1394-e1401.

Mihalik JP, Greenwald RM, Blackburn JT, Cantu RC, Marshall SW, & Guskiewicz KM. (2010). The effect of infraction type on head impact severity in youth ice hockey. *Medicine & Science in Sports & Exercise*, 42(8), 1431-1438.

Kukaswadia A, Warsh J, **Mihalik JP**, & Pickett WJ. (2010). A population-based study of the effect of changing body checking rules on rates of injury in minor hockey. *Pediatrics*, 125(4), 735-741.

Toler JD, Petschauer MA, **Mihalik JP**, Oyama S, Halverson SD, & Guskiewicz KM. (2010). Comparison of 3 airway access techniques during suspected spine injury management in American football. *Clinical Journal of Sport Medicine*, 20(2), 92-97.

Lynch SS, Thigpen CA, **Mihalik JP**, Prentice WE, & Padua DA. (2010). The effects of an exercise intervention on forward head and rounded shoulder postures in elite swimmers. *British Journal of Sports Medicine*, 44(5), 376-381.

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

Mihalik JP, Jeffries JA, Ciocca MF, & Guskiewicz KM. (2009). Pediatric mild traumatic brain injury: A case review. *Athletic Training & Sports Health Care*, 1(1), 32-36.

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

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

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

Battaglini CL, **Mihalik JP**, Bottaro M, Dennehy C, Petschauer MA, Hairston LS, & Shields EW. (2008). The effects of exercise on caloric intake in breast cancer patients undergoing treatment. *Brazilian Journal of Biological Research*, 41(8), 709-715.

Register-Mihalik JK, **Mihalik JP**, & Guskiewicz KM. (2008). Balance deficits following sports-related concussion in individuals reporting posttraumatic headache. *Neurosurgery*, 63(1), 76-82.

Mihalik JP, Guskiewicz KM, Jeffries JA, Greenwald RM, & Marshall SW. (2008). Characteristics of head impacts sustained by youth ice hockey players. *Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology*, 222(1), 45-52.

Majerske CW, **Mihalik JP**, Ren D, Collins MW, Reddy CC, Lovell MR, & Wagner AK. (2008). Concussion in sports: The effect of post-concussive activity levels on symptoms and neurocognitive performance. *Journal of Athletic Training*, 43(3), 265-274.

Sierer SP, Battaglini CL, **Mihalik JP**, Shields EW, & Tomasini NT. (2008). The National Football League Combine: Performance differences between drafted and non-drafted players during the 2004 and 2005 drafts. *Journal of Strength and Conditioning Research*, 22(1), 6-12.

Mihalik JP, Libby JJ, Battaglini CL, & McMurray RG. (2008). The comparison of complex versus compound training programs on volleyball players. *Journal of Strength & Conditioning Research*, 22(1), 47-53.

Mihalik JP, Kohli L, & Whitton MC. (2008). Do the physical characteristics of a virtual reality device contraindicate its use for balance assessment? *Journal of Sport Rehabilitation*, 17(1), 38-49.

Mihalik JP, Bell DR, Marshall SW, & Guskiewicz KM. (2007). Measurement of head impacts in collegiate football players: An investigation of positional and event type differences. *Neurosurgery*, 61(6), 1229-1235.

McCaffrey MA, **Mihalik JP**, Crowell DH, Shields EW, & Guskiewicz KM. (2007). Measurement of head impacts in collegiate football players: Clinical measures of concussion following high and low impact magnitudes. *Neurosurgery*, 61(6), 1236-1243.

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Patel AV, **Mihalik JP**, Notebaert AJ, Guskiewicz KM, & Prentice WE. (2007). The effects of dehydration on symptomatology, neuropsychological integrity, and postural stability as related to concussion assessment. *Journal of Athletic Training*, 42(1), 66-75.

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Register JK, **Mihalik JP**, Essa MS, Hirth CJ, Guskiewicz KM, & Brickner TE. (2006). Exertional Rhabdomyolysis in Eight Division I Female Lacrosse Athletes: A Case Review. *Athletic Therapy Today*, 11(4), 26-28.

Mihalik JP, Myers JB, Sell TC, & Anish EA. (2005). Maxillofacial fractures and dental trauma in a high school goalkeeper: A case report. *Journal of Athletic Training*, 40(2), 116-119.

Mihalik JP, Stump JE, Collins MW, Lovell MR, Field M, & Maroon JC. (2005). Posttraumatic migraine characteristics in athletes following sports-related concussion. *Journal of Neurosurgery*, 102(5), 850-855.

D. Refereed Presentations & Published Abstracts (120)

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Register-Mihalik JK, **Mihalik JP**, & Guskiewicz KM. (2008). Clinical balance performance recovery in individuals reporting posttraumatic migraine characteristics following sports-related concussion. *2008 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, St. Louis, MO. *Journal of Athletic Training*, 43(3), S33. (June 17-21, 2008).

Kontos DL, Register-Mihalik JK, **Mihalik JP**, Shields EW, & Guskiewicz KM. (2008). Investigation of age effects of the Immediate Postconcussion and Cognitive Test (ImPACT) and paper-pencil neuropsychological tests. *2008 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, St. Louis, MO. *Journal of Athletic Training*, 43(3), S31. (June 17-21, 2008).

Mihalik JP, Petschauer MA, Beard JR, Prentice WE, & Guskiewicz KM. (2008). Emergency cervical inline stabilization procedures in collegiate ice hockey players: The effect of helmet fit on cervical spine motion. *2008 Canadian Athletic Therapists Association Annual Conference*, Montreal, QC, Canada. (May 21-24, 2008).

Mihalik JP, Jeffries JA‡, & Guskiewicz KM. (2007). Studying head impacts in youth ice hockey players: Just how hard is too hard? *2007 Canadian Injury Prevention and Safety Promotion Conference*, Toronto, ON, Canada. (November 11-13, 2007).

Guskiewicz KM, **Mihalik JP**, Shankar V, Marshall SW, Crowell DH, Oliaro SM, Ciocca MF, & Hooker DN. (2007). The relationship between head impact biomechanics and acute clinical outcome following concussion. *2007 Canadian Injury Prevention and Safety Promotion Conference*, Toronto, ON, Canada. (November 11-13, 2007).

Mihalik JP, Jeffries JA‡, & Guskiewicz KM. (2007). Characteristics of head impacts sustained by youth ice hockey players. *2007 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Anaheim, CA. *Journal of Athletic Training*, 42(2), S103. (June 26-30, 2007).

Register-Mihalik JK, **Mihalik JP**, & Guskiewicz KM. (2007). Posttraumatic migraine characteristics affect postural stability following sports-related concussion. *2007 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Anaheim, CA. *Journal of Athletic Training*, 42(2), S31-S32. (June 26-30, 2007).

Conner LE, Padua DA, Prentice WE, Thigpen CA, & **Mihalik JP**. (2007). Scapula anterior-posterior tilting during humeral elevation correlates with clinical measures of shoulder internal rotation and posterior shoulder tightness. *2007 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Anaheim, CA. *Journal of Athletic Training*, 42(2), S14. (June 26-30, 2007).

Mihalik JP, Guskiewicz KM, Bell DR, Marshall SW, Crowell DH, Oliaro SM, Hooker DN, & Ciocca MF. Evaluation of impact biomechanics: The association between impact magnitudes and locations in collegiate football players. *2006 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Atlanta, GA. *Journal of Athletic Training*, 41(2), S40-S41. (June 14-18, 2006).

Bell DR, **Mihalik JP**, Guskiewicz KM, Marshall SW, Crowell DH, Oliaro SM, Hooker DN, & Ciocca MF. An analysis of head impacts sustained during a complete season by Division I collegiate football players. *2006 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Atlanta, GA. *Journal of Athletic Training*, 41(2), S40. (June 14-18, 2006).

McCaffrey MA, **Mihalik JP**, Guskiewicz KM, Crowell DH, Bell DR, Oliaro SM, Hooker DN, & Shields EW. Balance and neurocognitive performance in collegiate football players following head impacts at varying magnitudes. *2006 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Atlanta, GA. *Journal of Athletic Training*, 41(2), S41. (June 14-18, 2006).

Patel AV, **Mihalik JP**, Notebaert AJ, Prentice WE, & Guskiewicz KM. The effects of dehydration on symptomatology, neuropsychological performance, and postural stability. *2006 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Atlanta, GA. *Journal of Athletic Training*, 41(2), S41. (June 14-18, 2006).

Register JK, Guskiewicz KM, & **Mihalik JP**. Recovery patterns of athletes reporting posttraumatic headache following sports-related concussion. *2006 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Atlanta, GA. *Journal of Athletic Training*, 41(2), S39. (June 14-18, 2006).

Patel AV, **Mihalik JP**, Notebaert AJ, Prentice WE, & Guskiewicz KM. The effects of dehydration on symptomatology, neuropsychological performance, and postural stability. *2006 Eastern Athletic Trainers' Association Annual Meeting*, Philadelphia, PA. (January 7-10, 2006).

Majerske CW, Wagner AK, Collins MW, Ren D, Lovell MR, & **Mihalik JP**. Concussion in sports: The effect of postconcussive exertion on symptoms and neurocognitive performance. *66th Annual Assembly of the American Academy of Physical Medicine and Rehabilitation*, Philadelphia, PA. *Archives of Physical Medicine and Rehabilitation*, 86(9), e28. (October 27-30, 2005).

Mihalik JP, Guskiewicz KM, Notebaert AJ, Hooker DN, Oliaro SM, Crowell DH, & Ciocca MF. Measurement of head impacts in Division I collegiate football players. *2005 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Indianapolis, IN. *Journal of Athletic Training*, 40(2), S82. (June 12-16, 2005).

Guskiewicz KM, **Mihalik JP**, Notebaert AJ, Hooker DN, Oliaro SM, Crowell DH, & Ciocca MF. Recurrent concussion in a collegiate football player equipped with the Head Impact Telemetry System. *2005 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Indianapolis, IN. *Journal of Athletic Training*, 40(2), S81. (June 12-16, 2005).

Register JK, **Mihalik JP**, Essa ME, Hirth CJ, & Guskiewicz KM. Exertional rhabdomyolysis in Division I female lacrosse athletes. *2005 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Indianapolis, IN. *Journal of Athletic Training*, 40(2), S83. (June 12-16, 2005).

Mihalik JP, Guskiewicz KM, & Register JK. Recovery of athletes with characteristics of posttraumatic migraine following sports-related concussion. *First Annual University of North Carolina Research Symposium*, Chapel Hill, NC. (March 31, 2005).

Register JK, Guskiewicz KM, & **Mihalik JP**. Effect of chronic headache on post-concussion measures. *Fifth Annual Sports Medicine and Neurotrauma Review*, Orlando, FL. (March 10-13, 2005).

Register JK, **Mihalik JP**, & Essa ME. Exertional rhabdomyolysis in 8 Division I female lacrosse athletes. *2005 Eastern Athletic Trainers' Association Annual Meeting*, Boston, MA. (January 7-10, 2005).

Mihalik JP, Stump JE, Collins MW, Lovell MR, Field M, & Maroon JC. Posttraumatic migraine following sports-related mild traumatic brain injury. *Second International Symposium on Concussion in Sport*, Prague, Czech Republic. *British Journal of Sports Medicine*, 38(5), 661. (November 5-6, 2004).

Mihalik JP, Stump JE, Lovell MR, Hagan T, Collins MW, & Fu FH. Sex differences in acute recovery following concussion in athletes. *Second International Symposium on Concussion in Sport*, Prague, Czech Republic. *British Journal of Sports Medicine*, 38(5), 661. (November 5-6, 2004).

Majerske CW, Collins MW, **Mihalik JP**, Lovell MR, & Wagner AK. Concussion in sports: Relationship of activity level after concussion to post-concussive symptoms and neurocognitive performance. *Second International Symposium on Concussion in Sport*, Prague, Czech Republic. *British Journal of Sports Medicine*, 38(5), 662. (November 5-6, 2004).

Mihalik JP, Sell TC, & Myers JB. Facial Trauma in a High School Soccer Goalkeeper. *2004 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Baltimore, MD. *Journal of Athletic Training*, 39(2), S51. (June 15-19, 2004).

Mihalik JP, Stump JE, Collins MW, Lovell MR, & Fu FH. Relationship between posttraumatic migraine and neuropsychological test performance in athletes following sports-related concussion. *2004 Canadian Athletic Therapists Association Annual Conference*, Antigonish, NS, Canada. (May 26-29, 2004).

E. Non-Refereed Publications (12)

Schmidt JD, Guskiewicz KM, **Mihalik JP**, Blackburn JT, Siegmund GP, & Marshall SW. (2016). TBD. *Clinical Journal of Sports Medicine*, VOL(ISS), PP. (Response to Letter to the Editor) (In Press)

Lynall RC, Kerr ZY, Parr MS, Hackney AC, & **Mihalik JP**. (2016). Altitude (if you can call it that) has no bearing on the rates of concussions in athletes. *Journal of Orthopaedic & Sports Physical Therapy*, 46(3), 226-228. (Response to Letter to the Editor)

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, & Broolinson PG. (2014). Can helmet design reduce the risk of concussion in football? *Journal of Neurosurgery*, 121(2), 491-494. (Response to Letter to the Editor)

Mihalik JP. (2011). Concussion: What coaches need to know. *This is AFCA (American Football Coaches Association)*, September issue.

Mihalik JP & Budinsky C‡. (2007). Why should we care about evidence-based medicine? *Newsletter of the Canadian Athletic Therapists Association*, November issue, 8-10.

Mihalik JP, McCaffrey MA, Rivera EM, Pardini JE, Guskiewicz KM, Collins MW, & Lovell MR. (2007). Effectiveness of mouthguards in reducing neurocognitive deficits following sports-related concussion. *Dental Traumatology*, 23(4), 262-263. (Response to Letter to the Editor)

Mihalik JP, Stump JE, Collins MW, Lovell MR, Field M, & Maroon JC. (2005). Posttraumatic migraine characteristics in athletes following sports-related concussion. *Journal of Neurosurgery*, 103(5), 934-935. (Response to Letter to the Editor)

Mihalik JP. (2004). Recognition of psychological conditions in high school athletes. *Athletic Therapy Today*, 9(3), 54-55.

Mihalik JP & Kirnan J. (2002). What is cauliflower ear? *Québec XV: Le Journal du Rugby au Québec*, 7(1), 14.

Mihalik JP & Rabbat P. (2001). Primary care of athletic injuries. *Québec XV: Le Journal du Rugby au Québec*, 5(5 & 6), 7.

Mihalik JP & Leslie LA. (2000). Les commotions cérébrales (Concussions). *Québec XV: Le Journal du Rugby au Québec*, 5(3 & 4), 10.

Mihalik JP. (2002). What is Athletic Therapy? *Québec XV: Le Journal du Rugby au Québec*, 5(1 & 2), 24.

F. Software Development/Authoring (2)

Mihalik JP & Gioia GA. (2012). Concussion assessment & response: Sport version (Version 1.1) [iOS/Android app]. Lutz, FL: Psychological Assessment Resources, Inc.

Apple App Store: <http://tinyurl.com/ool5gov>

Google Play: <http://tinyurl.com/mtb38kh>

Gioia GA & **Mihalik JP.** (2011). Concussion recognition & response™: Coach & parent version (Version 1.2.2) [iOS/Android app]. Lutz, FL: Psychological Assessment Resources, Inc.

Apple App Store: <http://tinyurl.com/okm7d9z>

Google Play: <http://tinyurl.com/mzuf9qm>

G. Invited Scholarly Presentations (73)

Mihalik JP. Sports-related concussions: Facts vs. myths. *High Point University Athletic Training Symposium*, High Point, NC. (April 4, 2016). [Keynote Address].

Mihalik JP. Sport-related concussion: Current trends in engineering sports safety. *Defense Veterans Brain Injury Centers Intrepid Spirit Symposium*, Fort Bragg, NC. (March 30, 2016).

Mihalik JP. Concussion biomechanics: Engineering safety in the sports arena and battlefield. *Florida International University Athletic Training Symposium*, Miami, FL. (March 28, 2016). [Keynote Address]

Mihalik JP & Wasserman EB. Concussion and winter sports. *Defense and Veterans Brain Injury Center*, Silver Spring, MD. (February 11, 2016).

Mihalik JP. Head impact biomechanics: Engineering safe sport. *College Athletic Trainers' Society & National Collegiate Athletic Association Safety in College Football Summit*, Orlando, FL. (February 10, 2016).

Guskiewicz KM & **Mihalik JP.** Concussion: Innovative solutions to a challenging problem in sports and the military. *UNC Tar Heel Tailgate Talk Series*, Chapel Hill, NC. (November 14, 2015).

Mihalik JP. Traumatic brain injury management: Intersecting athletics with special operations. *North Carolina Defense Business Association Science & Technology Meeting*, Durham, NC. (November 12, 2015).

Mihalik JP. Seeing is believing: Assessing vision following concussion. *North Carolina Athletic Trainers' Association Symposium*, Salisbury, NC. (July 11, 2015).

Mihalik JP. Vision assessment following concussion: What's on the horizon? *2015 National Athletic Trainers' Association Clinical Symposia & Athletic Training Expo*, St. Louis, MO. (June 25, 2015). [National Athletic Trainers' Association Feature Presentation]

Mihalik JP. Repetitive head impacts and telemetry monitoring: State of the science. *National Summit on Sports Concussion*, Los Angeles, CA. (June 5, 2015).

Mihalik JP. Concussion biomechanics: A vision for engineering safe sport. *Concordia University 2015 Department of Exercise Science Lecture Series*, Montreal, Quebec, Canada. (March 27, 2015).

Mihalik JP. Head impact biomechanics: Engineering safe sport. *Virginia Tech Symposium on Head Acceleration Measurement Sensors*, Blacksburg, VA. (March 10, 2015).

Mihalik JP. Concussions: A call for youth sport safety. *2015 Youth Sport Safety Governing Bodies Meeting*, New York, NY. (January 22-23, 2015).

Mihalik JP. Traumatic brain injury management: Intersecting athletics with special operations. *2014 Special Operations Medical Association's Scientific Assembly and Exhibition*, Tampa, FL. (December 11, 2014).

Mihalik JP. Update on concussion and chronic traumatic encephalopathy. *World Federation of Athletic Training & Therapy World Congress*, Dublin, Ireland. (September 4-6, 2014).

Mihalik JP. Head impact biomechanics in youth ice hockey: A case for injury prevention. *2014 Hit Count Symposium*, Boston, MA. (July 15, 2014).

Mihalik JP. Protective headgear: Current technologies & materials, and its relation to injury prevention. *2014 National Athletic Trainers' Association Clinical Symposia & Athletic Training Expo*, Indianapolis, IN. (June 27, 2014). [National Athletic Trainers' Association J&J Keynote Feature Presentation]

Mihalik JP. Chronic traumatic encephalopathy: Clinical sequelae of multiple traumatic brain injuries. *Mid-Atlantic Athletic Trainers' Association Student Symposium*, Virginia Beach, VA. (May 10, 2014).

Mihalik JP. A vision for change: Translating clinical concussion research. *5th Annual Zeigler Research Forum*, University of Vermont, Burlington, VT. (May 1, 2014). [Keynote Address].

Mihalik JP. Postconcussion rehabilitation and alternative treatments: When rest alone does not seem to be working. *4th Annual First Coast Sports Injury Symposium*, Jacksonville, FL. (April 12, 2014).

Mihalik JP. A vision of concussions: What they are, traditional treatment, and the implications for innovation. *Neuro-Optometric Rehabilitation Association General Conference*, Cary, NC. (April 5-6, 2014).

Mihalik JP. A vision for change: Translating clinical concussion research. *Substance Abuse & Violence Initiative/Center for Brain, Biology, and Behavior Seminar*, University of Nebraska, Lincoln, NE. (March 31, 2014) [Keynote Address].

Mihalik JP. Neurocognitive testing: Is it necessary? *TEAMWORK: Management of Concussion in the Youth/Recreational Athlete*, Asheville, NC. (March 1, 2014).

Mihalik JP. Sex inequality in concussion research and assessment. *Female Athletes and Injury: Prevention, Treatment and Recovery*, Greensboro, NC. (October 24-25, 2013).

Mihalik JP. A scientist and hockey coach perspective of concussion prevention. *Mayo Clinic Sports Medicine Center Ice Hockey Summit II: Action on Concussion*, Rochester, MN. (October 8-9, 2013).

Mihalik JP. Concussion: A problem for the ages. *University of Connecticut Grand Rounds*, Storrs, CT. (September 13, 2013).

Mihalik JP. Concussion: The spectrum of injury. *Western North Carolina Concussion and Injury Prevention Symposium*, Asheville, NC. (August 16, 2013).

Mihalik JP. Concussion research: Past, present, and future directions. *Nationwide Children's Hospital Clinical and Translational Series*, Columbus, OH. (July 23, 2013).

Mihalik JP. Concussion management: Heads up! *2013 American Orthopaedic Society for Sports Medicine Annual Meeting*, Chicago, IL. (July 13, 2013).

Mihalik JP. What to do when rest alone does not work? Alternative approaches to concussion management. [National Athletic Trainers' Association Minicourse] *2013 National Athletic Trainers' Association Annual Meeting & Clinical Symposia*, Las Vegas, NV. (June 24, 2013).

Mihalik JP. Research digest: A rapid fire approach. *SafeKids Childhood Injury Prevention Conference*, Washington, DC. (June 21, 2013).

Mihalik JP. Alternative strategies to treat concussion: A look at the evidence. *Charlotte Sports Medicine Symposium*, Charlotte, NC. (June 8, 2013).

Mihalik JP. Front matter: Setting the stage for clinical research. *Second Matthew Gfeller Sport-Related Neurotrauma Symposium*, Chapel Hill, NC. (March 8-9, 2013).

Mihalik JP. A laboratory evaluation of bull riding helmets and facemasks. *Justin Rodeo Sports Medicine Conference*, Las Vegas, NV. (December 10, 2012).

Mihalik JP. Innovations in brain injury: Is there an app for that? *Brain Injury Association of North Carolina and Wake AHEC Present Traumatic Brain Injury 2012*, Cary, NC. (October 26, 2012).

Mihalik JP. Alternative treatment of concussions. *Athletic Trainers Society of New Jersey's Sports Safety Summit*, New Brunswick, NJ. (August 1, 2012).

Mihalik JP. Concussion management: Adolescents to college aged athletes. *Fourth Annual Sports Medicine Care Continuum: Keeping the Athlete's Care at Heart*, Nashville, TN. (July 14, 2012). [Keynote address].

Mihalik JP. Spine stabilization on unstable surfaces: Challenges of spine stabilization in ice hockey. [National Athletic Trainers' Association Feature Presentation] *2012 National Athletic Trainers' Association Annual Meeting & Clinical Symposia*, St. Louis, MO. (June 29, 2012).

Mihalik JP. Concussion management: A focus on rehabilitation and treatment. *Big 12 Conference Medical Aspects of Sport*, Dallas, TX. (May 4, 2012).

Mihalik JP. Head impact biomechanics and helmet testing. *Big 12 Conference Medical Aspects of Sport*, Dallas, TX. (May 4, 2012).

Mihalik JP. Student-athlete safety: The team approach. *North Carolina Athletic Trainers' Association Symposium*, Wilmington, NC. (March 16, 2012). [Keynote address].

Mihalik JP. The "team" approach to player safety: The hockey network. *Play Smart: Concussion Prevention in Youth and Interscholastic Hockey*, South Shore Hospital, Randolph, MA. (January 23, 2012). [Keynote address].

Mihalik JP. Concussion rehabilitation: What we know now! *South Atlantic Conference Athletic Trainers Meeting*, Salisbury, NC. (July 23, 2011).

Mihalik JP. Biomechanics of concussion. *Athletic Trainers Society of New Jersey's Concussion Summit*, Plainsboro, NJ. (July 17, 2011).

Mihalik JP. The hockey helmet: The last stand against concussion prevention? [National Athletic Trainers' Association Feature Presentation] *2011 National Athletic Trainers' Association Annual Meeting & Clinical Symposia*, New Orleans, LA. (June 19-22, 2011).

Swartz EE, **Mihalik JP**, & Decoster LC. Neutral alignment in the cervical spine during acute cervical spine injury management. *2011 American College of Sports Medicine Annual Meeting*, Denver, CO. (May 31-June 4, 2011).

Mihalik JP. Sport-related concussion: A problem for the ages? *Canadian Athletic Therapists Association National Conference*, Banff, Alberta, Canada. (May 25-28, 2011).

Mihalik JP. Biomechanics of sport-related traumatic brain injuries. *Inaugural Matthew Gfeller Sport-Related Neurotrauma Symposium*, Chapel Hill, NC. (April 29-30, 2011).

Guskiewicz KM, **Mihalik JP**, & Register-Mihalik JK. Concussion in collegiate sports: The evolution and implications of new policies and educational initiatives. *2011 College Sport Research Institute Conference*, Chapel Hill, NC. (April 20-21, 2011).

Mihalik JP. Concussions, law and amateur sports: Implications of emerging medical science for the regulation of student athlete safety. *Collegiate Sports Law Symposium: The Business of Amateur Sports*, Los Angeles, CA. (April 8, 2011).

Mihalik JP. Preparing youth for high velocity sports. *27th Annual Sports, Cardiovascular, and Wellness Nutrition (SCAN) Symposium*, Chicago, IL. (March 11, 2011).

Mihalik JP. Neck strength, anticipation, activation and its relationships to proneness to concussion: Gender differences? *Ice Hockey Summit: Action on Concussion*, Mayo Clinic, Rochester, MN. (October 19-20, 2010).

Mihalik JP. Putting our heads together: A call for action. *Blow by Blow: Sport Concussion Management*, Toronto, Ontario, Canada. (August 31, 2010). [Keynote address].

Mihalik JP. Concussion rehabilitation: A new spin on return-to-play management. *2010 National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, Philadelphia, PA. (June 22-25, 2010).

Mihalik JP. Head injury biomechanics. *2010 American College of Sports Medicine Annual Meeting*, Baltimore, MD. (June 1-5, 2010).

Mihalik JP. Current state of concussion research. *Seventh Annual Sports Related Conference on Concussion and Spine Injury*, Boston, MA. (May 12, 2010).

Mihalik JP. (2009). Dying to play: An overview of concussion in sports. *American Medical Athletic Association 18th Annual Sports Medicine Symposium at the Marine Corps Marathon*, Arlington, VA. (October 23-24, 2009).

Guskiewicz KM, Broglio SP, & **Mihalik JP.** (2009). Sport-related concussion: Navigating the latest research findings & clinical recommendations. *National Athletic Trainers' Association Annual Meeting and Clinical Symposium*, San Antonio, TX. (June 17-21, 2009).

Mihalik JP. (2009). Concussion evaluation and return-to-play decision-making. *Canadian Athletic Therapists Association National Conference*, Vancouver, British Columbia. (May 30, 2009).

Mihalik JP. (2009). Postconcussion return-to-play decisions: An emphasis on athlete rehabilitation. [Invited Workshop]. *Canadian Athletic Therapists Association National Conference*, Vancouver, British Columbia. (May 28, 2009).

Mihalik JP. (2009). Current trends in concussion management: An evidence-based approach to the “hidden epidemic.” *New Hampshire Athletic Trainers’ Association Annual Meeting*, Bow, NH. (May 17, 2009).

Mihalik JP. (2009). Head impacts in youth ice hockey: Translating biomechanics research to safer play. [Invited faculty]. *2009 London Hockey Concussion Summit*, London, Ontario, Canada. (January 17-18, 2009).

Mihalik JP. (2008). One size does not fit all: Using evidence to develop concussion assessment protocols. [National Athletic Trainers’ Association Education Council Continuing Education Committee featured symposium] *2008 National Athletic Trainers’ Association Annual Meeting and Clinical Symposium*, St. Louis, MO. (June 17-21, 2008).

Mihalik JP & Guskiewicz KM. (2008). Relationship between neuropsychological testing and other clinical measures of concussion. [Featured Science Session: Neuropsychological assessment of the concussed athlete: Only one piece of the concussion puzzle] *2008 American College of Sports Medicine Annual Meeting*, Indianapolis, IN. (May 28-31, 2008).

Mihalik JP. Clinical approach and research initiatives: Understanding sports-related concussion. *2008 Mid-Atlantic Athletic Trainers’ Association Symposium*, Virginia Beach, VA. (May 16-18, 2008).

Mihalik JP. Neuropsychological testing: What is it and how can you use it? *2007 National Athletic Trainers’ Association Annual Meeting and Clinical Symposium*, Anaheim, CA. (June 26-30, 2007).

Mihalik JP. Minor traumatic brain injury in pediatric and adolescent athletes: Is it worth the headache? *Third International Meeting on Minor Traumatic Brain Injuries in Sports*, St. Moritz, Switzerland. (March 12-17, 2007).

Guskiewicz KM & **Mihalik JP.** Real time analysis of impacts in youth hockey. *Third International Meeting on Minor Traumatic Brain Injuries in Sports*, St. Moritz, Switzerland. (March 12-17, 2007).

Mihalik JP. Clinical approach and research initiatives: Managing sports-related concussion. *North Carolina Athletic Trainers’ Association Annual Meeting and Clinical Symposium*, Raleigh, NC. (March 2-4, 2007).

Mihalik JP. Postural stability assessment following mild head injury. *2006 National Athletic Trainers’ Association Annual Meeting and Clinical Symposium*, Atlanta, GA. (June 14-18, 2006).

Mihalik JP. Current concepts in the management of sports-related concussion. *2006 Canadian Athletic Therapists Association Annual Conference*, Ottawa, ON, Canada. (May 24-27, 2006).

Mihalik JP & Guskiewicz KM. Concussion assessment and return to play guidelines. *11th Annual Triangle Sports Medicine Symposium*, Raleigh, NC. (December 10, 2005).

Mihalik JP. Traumatic facial injury in a high school soccer player. *University of Pittsburgh Medical Center 6th Annual Current Issues in Athletic Training*, Pittsburgh, PA. (March 27, 2005).

TEACHING RECORD

A. Curricular Experience – Undergraduate

EXSS 175 — Human Anatomy

Spring 2006 (116 students)

EXSS 188 — Emergency Care

Summer 2008 (15 students)

EXSS 273 — Research Methods in Exercise and Sport Science

Fall 2010 (58 students), Spring 2011 (45), Maymester 2011 (25), Fall 2011 (53),

Spring 2012 (42), Maymester 2012 (20), Fall 2012 (63), Spring 2013 (52), Maymester 2013 (20),

Spring 2014 (55)

EXSS 275L — Human Anatomy Cadaver Laboratory
Fall 2004 (13 students), Summer 2006 (11), Summer 2007 (7), Summer 2008 (6)

EXSS 380 — Neuromuscular Control & Learning
Spring 2010 (54 students)

EXSS 385 — Biomechanics of Sports
Fall 2010 (47 students), Fall 2011 (50), Fall 2012 (51), Fall 2013 (54), Fall 2014 (54), Fall 2015 (56)

EXSS 396 — Independent Study
Spring 2012 (1 student), Fall 2014 (1)

EXSS 693H/694H — Senior Honors Thesis
See Honors thesis advising and committee membership in Sections H and I

B. Curricular Experience – Graduate

EXSS 700 — Applied Statistics and Research Methods in Exercise and Sport Science
Fall 2015 (10 students)

EXSS 705 — Applied Statistics and Research Methods Laboratory
Spring 2014 (9 students)

EXSS 738 — Laboratory Techniques in Sports Medicine
Spring 2010 (9 students)

EXSS 993 — Master's Research and Thesis
See Graduate thesis advising and committee membership in Sections F and G

C. Curricular Experience – Doctoral

IHMS 870 — Doctoral Development Seminar
Fall 2013 (10 students), Fall 2015 (13), Spring 2016 (12)

HMSC 877 — Independent Study in Human Movement Science
Fall 2013 (1 student), Fall 2014 (1), Fall 2015 (1)

EXSS 890 — Special Topics: Advanced Statistics and Programming with SAS/Matlab
Spring 2012 (2 students), Fall 2013 (1)

IHMS 994 — Doctoral Research and Dissertation
See Doctoral dissertation advising and committee membership in Sections D and E

D. Doctoral Dissertation Committees – Advisor (2)

Teel EF. The effect of an active rehabilitation protocol on concussion recovery time. *Interdisciplinary Curriculum in Human Movement Science, UNC-Chapel Hill*. May 2017 (Anticipated).

Lynall RC. Functional movement deficits following sport-related concussion. *Interdisciplinary Curriculum in Human Movement Science, UNC-Chapel Hill*. May 2016 (Anticipated).

E. Doctoral Dissertation Committees – Member (6)

Fraser MA. The associations between sport-related concussion, football seasons played, head impact biomechanics, and neurobehavioral measures in high school and collegiate athletes. *Interdisciplinary Curriculum in Human Movement Science, UNC-Chapel Hill*. August 2016 (Anticipated).

Littleton AC. The effects of physical and cognitive activity levels post-concussion on recovery. *Interdisciplinary Curriculum in Human Movement Science, UNC-Chapel Hill*. August 2015.

Allison M. Head injury biomechanics in youth hockey players: Enhancing data analysis for a helmet-based accelerometer system. *Department of Bioengineering, University of Pennsylvania*. May 2015.

Kerr ZY. Measurement of the validity and reliability of self-reported recall of concussion history: Factors associated with recall and disclosure in former athletes. *Department of Epidemiology, UNC-Chapel Hill*. May 2014.

Valdez D. The effect of immediate and delayed feedback on knowledge and performance development in Athletic Therapy students during a simulated cardiac emergency. *Department of Medical Science, University of Calgary*. December 2013. [External Reviewer]

Schmidt JD. The influence of the cervical musculature, visual performance, and anticipation on head impact severity in high school and collegiate. *Interdisciplinary Curriculum in Human Movement Science, UNC-Chapel Hill*. August 2013.

F. Master's Thesis Committees – Advisor (13)

Department of Exercise and Sport Science at UNC-Chapel Hill, unless otherwise specified

Ford JM. Movement assessment as a predictor of head impact biomechanics. May 2017 (Anticipated).

Busque KL. The effect of hydration status on head impact biomechanics during soccer ball heading. May 2016 (Anticipated).

Davis M. The effect of hockey and lacrosse equipment on compression and ventilation efficiency. May 2016 (Anticipated).

Lennon AR. Concurrent validity of three commercially available head impact monitoring systems. May 2015.

Smith LM. The association between optimism and psychological health factors in collegiate athletes. May 2015.

Stucker JC. Head acceleration and dehydration in soccer. May 2015.

Talarico MK. The effect of concussion on dynamic postural control of a single leg squat. *Department of Biomedical Engineering, UNC-Chapel Hill*. May 2015.

Gilrein TE. Reliability of visual performance assessments and the effect of concussion on visual measures. May 2014.

Lenhardt CS. The effect of shoulder pad removal technique and equipment removal training on cervical spine motion, time, and difficulty. May 2014.

Harpham JA. A study of visual and sensory performance, collision anticipation, and head impact biomechanics in college football players. May 2013.

Lengas E. The effect of sleep quality and sleep quantity on concussion assessment. May 2012.

Baum MJ. The influence of psychological distress on baseline concussion measures. May 2012.

Ocwieja KE. The effect of play type and field location of impact on biomechanical measures of impact severity. May 2011.

G. Master's Thesis Committees – Member (24)

Department of Exercise and Sport Science at UNC-Chapel Hill, unless otherwise specified

Kingsley PN. The effect of demographics on head impact biomechanics in youth football players. *Department of Physical Education, University of South Carolina*, May 2015.

Pierce AF. The effect of knowledge of concussion and aggression on head impact biomechanics across sexes in youth ice hockey players. August 2013.

Doran A. A content analysis of NCAA Division I track & field teams' Twitter usage: Defining best practices in social media marketing. May 2013.

Ingriselli JM. Neurocognitive and balance performance following a dual-task training intervention in healthy collegiate recreational athletes. May 2012.

Palanjian S. A study to identify the potential factors that influence students to attend college football games at UNC. May 2012.

Fratarcangeli D. The head of the issue: An exploratory study of the perceptions and the composition of NCAA Division I concussion management plans. May 2012.

Lynall RC. Comparing neurologic testing to balance and equilibrium during post-concussion recovery. *School of Kinesiology and Recreation, Illinois State University*, May 2012.

Littleton AC. The effects of attention deficit hyperactivity disorder (ADHD) and stimulant medication on clinical measures of concussion. May 2011.

Kallman AL. Influence of estrogen on cytokine response to prolonged treadmill running. May 2011.

Allen EB. The effect of lacrosse helmet fit on cervical spine movement during a prone log roll. May 2010.

Askey L. The effects of the Full90 headband on neurocognitive function and balance performance following an acute bout of soccer heading. May 2010.

Friedline A. Effects of weight-cutting tactics on clinical concussion measures in Division I collegiate wrestlers. May 2010.

Sumrall AZ. Dehydration, core body, wet bulb globe, and in helmet temperature are predictors of impact magnitude. May 2010.

Gysland SM. The cumulative effect of subconcussive impacts on clinical measures of concussion in Division I collegiate football players. May 2009.

Toler JD. Alternative techniques to gain emergency airway access. May 2009.

Ross LM. Procedural reaction time and balance performance during a dual or single task in healthy collegiate students. May 2008.

Beard JR. Cervical spine motion in college ice hockey players during a log roll technique. May 2007.

Fox ZG. The effect of aerobic and anaerobic exercise protocols on postural control. May 2007.

Kontos D. Validity, practice effects, and age discrimination of ImpACT and traditional paper-pencil neuropsychological tests. May 2007.

Conner LE. The relationship between humeral rotation and scapular tipping. May 2006.

Libby JJ. The comparison of complex and compound training programs on volleyball players. May 2006.

McCaffrey MA. Balance and neurocognitive performance in collegiate football players following high-magnitude head impacts. May 2006.

Lynch SS. The effects of an exercise intervention on forward head and rounded shoulder postures in elite swimmers. May 2005.

Patel AV. The effects of dehydration on symptomatology, neuropsychological performance, and postural stability. May 2005.

H. Undergraduate Honors Thesis Committees – Advisor (5)

Kramer MR. Effect of athletic headgear on vision and sensory. May 2016 (Anticipated).

Ikoma M. Reliability of neurocognitive measures among high and low cognitive performers. May 2014.

Asken BME. A comparison of various clinical measures of visual performance in healthy participants. May 2013.

Moise KF. The effects of anticipation and player involvement in body collision on head impact biomechanics in college football players. May 2012.

Brody NG. The reliability of three Nintendo Wii balance games: A dual-task approach to measuring postural control. May 2011.

I. Undergraduate Honors Thesis Committees – Member (4)

Champagne A. A study of the effects of football exposure and concussion history on cerebral white matter integrity and structural connectivity in retired National Football League and college football players. May 2015.

Pratson LF. An in-vivo biomechanical study of collegiate football players: The inter-instrument reliability of the X2Impact mouthpiece and the Head Impact Telemetry System. May 2012.

Hemp KA. Sex differences on common neurocognitive tests in competitive soccer players. May 2011.

Gonzalez JA. An examination of the effects of mental fatigue on grip strength. May 2010.

GRANTS**A. Federal Grants/Contracts****A1. Pending/In Review (3)**10/01/15 – 09/30/16 **Mihalik JP**Tracking Neurological Function in Warrior-Athletes: A Multidisciplinary Approach
United States Army Special Operations Command

Role: Principal Investigator (0%)

DC: \$55,263 F&A: \$28,737 Total: \$84,000

07/01/16 – 06/30/17 **Mihalik JP, Marshall SW, Hackney AC, Appelbaum LG, Bass CR, Guskiewicz KM, Shi F, & Shen D**Tracking Neurological Function in Warrior-Athletes: A Multidisciplinary Approach
United States Army Special Operations Command

Role: Principal Investigator (11%)

DC: \$169,279 F&A: \$80,245 Total: \$249,524

09/01/16 – 08/31/21 **Blackburn JT, Pietrosimone BG, Wikstrom EA, Mihalik JP, & Padua DA.**
Warfighter Orthopedic Research and Clinical Care Consortium
Department of Defense (Prime Funding Agency)

Role: UNC Co-Investigator (5%)

Total Award: \$18,000,000 to University of Kentucky (PI: Abt J)

DC: \$ 1,138,138 F&A: \$ 520,516 Total: \$ 1,658,654 (UNC subaward)

A2. Current (4)04/01/15 – 03/31/20 **Pinton G, Mihalik JP, Bass CR**

Shear shock wave propagation in the brain: High frame-rate ultrasound imaging, characterization, and simulations

National Institutes of Health-National Institute of Neurological Disorders and Stroke (NIH-NINDS)
5R01NS091195-01-02

Role: Co-Investigator (5%)

DC: \$1,250,000 F&A: \$535,796 Total: \$1,785,796

08/01/14 – 07/31/19 **Marshall SW et al.**

UNC Injury Prevention Research Center (Project 2: Innovative behavior modification strategies to reduce mild traumatic brain injury risk in high school football athletes)

Centers for Disease Control and Prevention (CDC)

2R49CE002479-01

Role: Co-Investigator; Project 2 Co-Principal Investigator (11%)

Total Award: \$4,499,000 to UNC Injury Prevention Research Center

DC: \$495,652 F&A: \$142,330 Total: \$637,982 (Project 2)

08/01/14 – 07/31/17 **Guskiewicz KM & Mihalik JP**NCAA-DOD Grand Alliance: Concussion Assessment, Research and Education (CARE) Consortium
Department of Defense & National Collegiate Athletic Association

W81XWH-14-2-0151 (Prime Award #)

Role: Site Co-Principal Investigator (5%)

DC: \$349,965 F&A: \$90,991 Total: \$440,956 (UNC subaward)

11/01/14 – 09/14/17 **Guskiewicz KM & Mihalik JP**

NCAA-DOD Grand Alliance: Advanced Research Core (ARC)

Department of Defense & National Collegiate Athletic Association

W81XWJ-14-2-0151 (Prime Award #)

Role: Site Co-Principal Investigator (5%)

DC: \$548,593 F&A: \$132,840 Total: \$681,433 (UNC subaward)

A3. Completed (3)

07/01/14 – 06/30/15 **Mihalik JP**, DeLellis SM, Marshall SW, Hackney AC, Guskiewicz KM, McCrea M, Appelbaum LG, Bass CR, Lutz R, Shi F, & Shen D

Tracking Neurological Function in Warrior-Athletes: A Multidisciplinary Approach
United States Army Special Operations Command—Defense Advanced Research Projects Agency
H92236-14-P-5193

Role: Principal Investigator (5%)

DC: \$380,980 F&A: \$155,408 Total: \$536,388

07/01/13 – 09/30/14 Guskiewicz KM & **Mihalik JP**

The utility of the Display Enhanced Testing for Concussion Technology (DETECT) in the screening and management of potential concussion injuries

Department of Defense/Army Research Office (Emory University subcontract)

Role: Co-Investigator (0%)

Total Award: \$1,500,000 to Emory University (Co-PIs: Espinoza T & Phelps S)

DC: \$58,289 F&A: \$28,586 Total: \$86,875 (UNC subaward)

07/01/12 – 06/30/14 **Mihalik JP** & Guskiewicz KM

Scientific assessment support for the SOTF enhanced traumatic brain injury surveillance program.

United States Army Special Operations Command

H92236-12-P-5253

Role: Principal Investigator (0%)

DC: \$139,200 F&A: \$0 Total: \$139,200

A4. Not Funded (14)

09/01/15 – 08/31/17 **Mihalik JP**, Marshall SW, Guskiewicz KM, Hackney AC, & Shi F

Advanced Research Core in High School (ARCHS) Study

National Institutes of Health-National Institute of Neurological Disorders and Stroke (NIH-NINDS)

1R21NS095300-01

Role: Principal Investigator (15%)

DC: \$275,000 F&A: \$143,000 Total: \$418,000

09/01/15 – 08/31/17 Teel EF, **Mihalik JP**, Guskiewicz KM, & Register-Mihalik JK

Can the ACTIVE rehabilitation shorten concussion recovery?

National Institutes of Health–National Institute of Neurological Disorders and Stroke (NIH-NINDS)

1F31NS095663-01

Role: Sponsor (0%)

DC: \$78,712 F&A: \$0 Total: \$78,712

07/01/14 – 06/30/17 **Mihalik JP**, DeLellis SM, Lutz R, Choi YS, Hackney AC, Marshall SW, Guskiewicz KM, Shi F, & Shen D.

Baseline neurocognitive assessment and traumatic brain injury (TBI) evaluation: Retired operator study

Congressionally-Directed Medical Research Program (CDMRP)

W81XWH-14-DMRDP-CRI-IRA-MTI

Role: Principal Investigator (11%)

Total Award: \$999,995 to United States Army Special Operations Command

DC: \$411,935 F&A: \$191,958 Total: \$603,893 (UNC subaward)

07/10/15 – 06/30/17 Appelbaum LG, **Mihalik JP**, & Mitroff SR

Intersecting vision performance with concussion assessment: A secondary analysis

National Institutes of Health–National Eye Institute (NIH-NEI)

1R21EY025293-01

Role: Co-Investigator (10%)
 Total Award: \$442,960 to Duke University
 DC: \$56,142 F&A: \$24,018 Total: \$80,160 (UNC subaward)

09/01/14 – 08/31/16 Lynall RC, **Mihalik JP**, Guskiewicz KM, & Marshall SW
 Deficits during tandem gait associated with sport-related traumatic brain injury
National Institutes of Health–National Institute of Neurological Disorders and Stroke (NIH-NINDS)
 1F31NS089353-01
 Role: Sponsor (0%)
 DC: \$77,025 F&A: \$0 Total: \$77,025

07/01/14 – 06/30/16 Reed N, Fait P, Bussi eres AE, Christie BR, DeMatteo CA, Gagnon I, **Mihalik JP**,
 Montelpare WJ, Mrazik M, van Donkelaar P, & Zemek R
 An International Pediatric Mild Traumatic Brain Injury Symposium: Building Capacity, Knowledge and
 Momentum
Canadian Institutes of Health Research (Operating Grant: Knowledge to Action)
 RN0000221405–322290
 Role: Co-Applicant (0%)
 Total Award: \$182,307 CDN to Holland Bloorview Kids Rehabilitation Hospital
 DC: \$0 F&A: \$0 Total: \$0

07/01/14 – 06/30/16 **Mihalik JP**, Appelbaum LG, Wang L, Marshall SW, Hopfinger JB, & Kucera KL
 Effects of traumatic brain injury on the neurophysiology of vision performance
National Institutes of Health–National Institute of Neurological Disorders and Stroke (NIH-NINDS)
 1R21NS088954-01
 Role: Principal Investigator (20%)
 DC: \$305,283 F&A: \$109,221 Total: \$414,504

07/01/14 – 06/30/16 **Mihalik JP**, Giovanello KG, Marshall SW, Guskiewicz KM, Hackney AC, & Gao
 W
 Repetitive subconcussive impact and neurological health in young football players
National Institutes of Health–National Institute of Neurological Disorders and Stroke (NIH-NINDS)
 1R21NS086640-01
 Role: Principal Investigator (20%)
 DC: \$275,000 F&A: \$124,620 Total: \$399,620

07/01/13 – 06/30/17 Guskiewicz KM, **Mihalik JP**, Smith JK, Elbogen E, & Hackney AC
 Association between repetitive traumatic brain injury and neuropsychological, neuroimaging, and blood
 biomarkers in military service members and elite-level athletes.
Department of Defense
 Role: Co-Investigator (12%)
 DC: \$1,872,907 F&A: \$624,570 Total: \$2,497,478 (UNC subaward)

07/01/13 – 06/30/16 Register-Mihalik JK, De Maio VJ, **Mihalik JP**, Guskiewicz KM, Bloom OJ,
 Wooten JD
 A community-based approach to identify prognostic indicators and patient-centered outcomes for
 adolescent athletes with concussion
Patient-Centered Outcomes Research Institute
 Role: Co-Investigator (3%)
 Total Award: \$1,236,590 to WakeMed Health & Hospitals
 DC: \$31,506 F&A: \$12,602 Total: \$44,108 (UNC subaward)

07/01/12 – 06/30/15 Petel O, **Mihalik JP**, Ouellet S, Bouamoul A, Walilko T
 Novel imaging technique for in situ strain measurements applicable to non-penetrating injuries
United States Army Medical Research and Materiel Command (BAA 12-1)
 Role: Co-Investigator (15%)

Total Award: \$1,200,000 to Dynamic Research Innovations, Inc.
 DC: \$33,239 F&A: \$15,955 Total: \$49,194 (UNC subaward)

07/01/11 – 06/30/15 Guskiewicz KM, Marshall SW, Register-Mihalik JK, Kaufer D, **Mihalik JP**, et al.
 A prospective study of dual task rehabilitation interventions for treating individuals with traumatic brain injury

Department of Defense (Congressionally-Directed Medical Research Program—CDMRP)

Role: Co-Investigator (15%)

DC: \$1,999,902 F&A: \$899,655 Total: \$2,899,557

07/01/11 – 06/30/14 **Mihalik JP**, De Maio VJ, Guskiewicz KM, & Marshall SW.
 Developing a clinical decision rule for the management of sport-related concussion

National Institutes of Health (NIH)

1R01HD069223-01

Role: Principal Investigator (25%)

DC: \$922,853 F&A: \$270,011 Total: \$1,192,864

01/01/11 – 12/31/13 Guskiewicz KM, Padua DA, Marks BL, **Mihalik JP**, & Whitton MC.
 Major Research Instrumentation: Validation of a virtual reality environment to identify and treat neurological and musculoskeletal injury

National Science Foundation

Role: Senior Personnel (0%)

DC: \$519,734 F&A: \$30,160 Total: \$549,894

B. Non-Federal Extramural Funding

B1. Pending/In Review (4)

03/01/17 – 02/28/18 Wasserman EB & **Mihalik JP**

Examination of the Lifecycle of Protective Helmets

National Operating Committee on Standards for Athletic Equipment (NOCSAE)

Role: Co-Principal Investigator (20%)

DC: \$49,972 F&A: \$9,994 Total: \$59,966

03/01/17 – 02/28/19 Yang J, **Mihalik JP**, & Comstock RD

Epidemiology and outcomes of ice hockey-related concussions in youth athletes

National Operating Committee on Standards for Athletic Equipment (NOCSAE)

Role: Co-Investigator (5%)

Total Award: \$280,937 to Nationwide Children’s Hospital (PI: Yang J)

DC: \$99,923 F&A: \$19,984 Total: \$119,907 (UNC subaward)

03/01/16 – 02/28/19 Register-Mihalik JK, Guskiewicz KM, Marshall SW, McCulloch K, & **Mihalik JP**.
 Management and treatment of sport-related concussion: Early multidimensional rehabilitation versus enhanced graded exercise

National Football League Foundation

Role: Co-Investigator (5%)

DC: \$2,442,809 F&A: \$157,148 Total: \$2,599,997

07/01/16 – 06/30/17 Teel EF & **Mihalik JP**.

The effect of ACTIVE training on clinical and physiological outcomes in healthy and concussed college-aged participants

National Athletic Trainers’ Association Doctoral Research Grant

Role: Co-Investigator (0%)

DC: \$2,440 F&A: \$0 Total: \$2,440

B2. Current (6)07/01/16 – 06/30/17 Teel EF & **Mihalik JP.**

The effect of ACTIVE training on healthy and concussed participants

American College of Sports Medicine Clinical Sports Medicine Endowment

Role: Co-Investigator (0%)

DC: \$5,000 F&A: \$0 Total: \$5,000

10/01/15 – 09/30/16 Bass CR, Luck JF, & **Mihalik JP**

Evaluation of head impact sensor systems in the lacrosse environment

US Lacrosse

383-8736 (Duke University Award #)

Role: Co-Investigator (0%)

Total Award: \$34,983 to Duke University (PI: Bass CR)

DC: \$6,450 F&A: \$645 Total: \$7,095

07/01/15 – 06/30/16 Lynall RC & **Mihalik JP**

Tandem gait deficits following sport-related traumatic brain injury

American College of Sports Medicine Foundation

Role: Co-Investigator (0%)

DC: \$4,995 F&A: \$0 Total: \$4,995

03/01/14 – 07/31/16 Putukian M, **Mihalik JP**, Guskiewicz KM, Marshall SW, & Echemendia R.

The effect of head impact biomechanics on short- and long-term neurological status in collegiate men's and women's lacrosse and soccer players

National Operating Committee on Standards for Athletic Equipment

00002174 (Princeton Award #)

Role: UNC Principal Investigator (11%)

Total Award: \$369,600 to Princeton University (PI: Putukian M)

DC: \$143,715 F&A: \$19,874 Total: \$163,589 (UNC subaward)

10/18/13 – 10/31/16 Guskiewicz KM & **Mihalik JP**

On-Field Monitoring and Recording of Head Impacts Sustained by NFL Players

National Football League

Role: Co-Principal Investigator (11%)

DC: \$465,111 F&A: \$33,104 Total: \$498,215

07/01/13 – 06/30/17 Guskiewicz KM, McCrea M, & **Mihalik JP**

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

National Collegiate Athletic Association

Role: Site Principal Investigator (4%)

Total Award: \$800,000 to Medical College of Wisconsin (PI: McCrea)

DC: \$140,641 F&A: \$14,064 Total: \$154,705

B3. Completed (12)12/01/11 – 06/30/12 **Mihalik JP.**

A laboratory evaluation of bull riding helmets and facemasks

J. Pat Evans Research Foundation

Role: Principal Investigator (0%)

DC: \$14,940 F&A: \$0 Total: \$14,940

07/01/12 – 12/31/13 Swartz EE, **Mihalik JP**, & Decoster LC.

Football helmet, facemask, and shoulder pad designs: Implications for acute airway and cardiovascular care in medical emergencies

National Football League Charities

Role: Co-Investigator (11%)
 Total Award: \$62,521 to University of New Hampshire
 DC: \$13,114 F&A: \$0 Total: \$13,114 (UNC subaward)

03/01/12 – 02/28/14 **Mihalik JP**, Guskiewicz KM, Marshall SW, & Stevens JR.
 The effect of hyperbaric oxygen therapy on recovery time of sport-related traumatic brain injuries: A double blind randomized clinical trial
National Operating Committee on Standards for Athletic Equipment
 Role: Principal Investigator (20%)
 DC: \$166,066 F&A: \$31,045 Total: \$197,111

03/01/12 – 02/28/13 Register-Mihalik JK, Guskiewicz KM, Valovich McLeod TC, Linnan LA, **Mihalik JP**, Marshall SW, & Cantu RC.
 Understanding the influence of concussion education on knowledge, attitudes, and behaviors concerning concussion among youth athletes, coaches, and parents
National Operating Committee on Standards for Athletic Equipment
 Role: Co-Investigator (2%)
 DC: \$60,888 F&A: \$11,636 Total: \$72,524

02/01/11 – 06/30/14 **Mihalik JP**, Marshall SW, & Guskiewicz KM.
 Exploring the gender divide: A multi-faceted study of head impact biomechanics, neurocognitive function, and cervical muscle strength
National Operating Committee on Standards for Athletic Equipment (NOCSAE)
 Role: Principal Investigator (25%)
 DC: \$309,270 F&A: \$29,697 Total: \$338,967

08/01/11 – 12/31/12 Swartz EE, Decoster LC, & **Mihalik JP**.
 Football facemask, helmet, and shoulder pad equipment designs: Effects on acute airway and cardiovascular care in medical emergencies
Eastern Athletic Trainers' Association
 Role: Co-Investigator (0%)
 Total Award: \$7,986 to University of New Hampshire
 DC: \$0 F&A: \$0 Total: \$0

10/01/10 – 09/30/11 Ocwieja KE & **Mihalik JP**.
 The effect of play type and closing distance on the biomechanics of head impact severity
National Athletic Trainers' Association Research and Education Foundation
 Role: Co-Principal Investigator (0%)
 DC: \$999 F&A: \$0 Total: \$999

03/01/09 – 02/28/12 Guskiewicz KM, **Mihalik JP**, & Marshall SW.
 Prospective investigation of sport-related concussion: relationship between biomechanical, neuroanatomical, and clinical factors
National Operating Committee on Standards for Athletic Equipment (NOCSAE)
 Role: Co-Principal Investigator (20%)
 DC: \$236,475 F&A: \$39,558 Total: \$276,033

01/01/08 – 12/31/09 Guskiewicz KM, **Mihalik JP**, & Marshall SW.
 Prospective evaluation of head impacts in youth ice hockey: Part II
National Operating Committee on Standards for Athletic Equipment (NOCSAE)
 Role: Co-Principal Investigator (50%)
 DC: \$136,384 F&A: \$22,877 Total: \$159,261

06/01/09 – 05/31/10 **Mihalik JP**, Sumrall AZ, & Guskiewicz KM.
 An investigation of head impact biomechanics in the context of body and ambient temperature
Canadian Athletic Therapists Association (CATA)

Role: Principal Investigator (0%)
 DC: \$1,480 F&A: \$0 Total: \$1,480

06/15/06 – 11/30/08 Montelpare WJ, Guskiewicz KM, **Mihalik JP**, et al.
 A Prospective Analysis of Head Impacts Sustained in Bantam-Aged Minor Hockey Players
Ontario Neurotrauma Foundation (ONF)

2005-PREV-BANT-387
 Role: Co-Investigator (50%)
 Total Award: \$215,960 CDN to Lakehead University (PI: Montelpare WJ)
 DC: \$101,339 F&A: \$0 Total: \$101,339

06/01/06 – 05/31/07 **Mihalik JP**, Petschauer MA, Malley C, & Flint F.
 Effectiveness of Cervical Spine Stabilization in Collegiate Ice Hockey Players
Canadian Athletic Therapists Association (CATA)

Role: Principal Investigator (0%)
 DC: \$1,154 F&A: \$0 Total: \$1,154

B4. Not Funded (13)

03/01/16 – 02/28/18 **Mihalik JP**, Marshall SW, Guskiewicz KM, Hackney AC, & Shi F
 Advanced Research Core in High School (ARCHiS) Study
National Operating Committee on Standards for Athletic Equipment (NOCSAE)

Role: Principal Investigator (15%)
 DC: \$250,000 F&A: \$50,000 Total: \$300,000

02/16/15 – 07/15/17 Rhea C, Ross SE, Mihalik JP, & Guskiewicz KM
 TBI Assessment of Readiness using a Gait Evaluation Test (TARGET): Development of a portable mTBI
 screening device

UNC Research Opportunities Initiative
 Role: Co-Investigator (5%)
 Total Award: \$309,165 to UNC-Greensboro
 DC: \$119,905 F&A: \$0 Total: \$119,905 (UNC subaward)

01/1/15 – 06/30/16 Lynall RC & **Mihalik JP**.
 Tandem gait deficits following sport-related traumatic brain injury
Mid-Atlantic Athletic Trainers' Association

Role: Faculty mentor (0%)
 DC: \$1,995 F&A: \$0 Total: \$1,995

07/01/14 – 06/30/15 Lynall RC & **Mihalik JP**
 Effect of soccer heading and head impact biomechanics on clinical measures of concussion
National Athletic Trainers' Association Research & Education Foundation

Role: Co-Principal Investigator (0%)
 DC: \$2,499 F&A: \$0 Total: \$2,499

04/01/13 – 03/31/15 Marshall SW, Guskiewicz KM, & **Mihalik JP**
 Evaluation of helmet replacement program for youth football
National Operating Committee on Standards for Athletic Equipment

Role: Co-Investigator (1%)
 DC: \$540,894 F&A: \$65,014 Total: \$605,909

01/01/13 – 12/31/22 Guskiewicz KM, Marshall SW, McCrea M, Bailes J, et al.
 Advancing the frontiers of research in professional football: Safeguarding the health of active and former
 NFL players

National Football League Players' Association
 Role: Co-Investigator; Project 3 Principal Investigator (20%)

DC: \$91,318,918 F&A: \$8,449,022 Total: \$99,767,940

08/01/12 – 07/31/14 **Mihalik JP**, Guskiewicz KM, Marshall SW, & Stevens JR.
The effect of hyperbaric oxygen therapy on acute treatment of sport-related traumatic brain injuries: A double blind randomized clinical trial

National Athletic Trainers' Association Research & Education Foundation

Role: Principal Investigator (5%)

DC: \$49,987 F&A: \$7,498 Total: \$57,485

07/01/12 – 12/31/13 **Mihalik JP**, Guskiewicz KM, Marshall SW, & Stevens JR.
Acute treatment of sport-related concussion using hyperbaric oxygen therapy: A double blind randomized clinical trial

National Football League Charities

Role: Principal Investigator (11%)

DC: \$99,960 F&A: \$0 Total: \$99,960

08/01/12 – 07/31/16 Putukian M, **Mihalik JP**, & Guskiewicz KM.
The effect of head impact biomechanics on short- and long-term neurological status in collegiate men's and women's lacrosse and soccer players

National Collegiate Athletic Association

Role: Co-Principal Investigator (7%)

Total Award: \$400,000 to Princeton University

DC: \$172,597 F&A: \$17,260 Total: \$188,502 (UNC subaward)

03/01/11 – 02/28/13 Arbogast KB, Grady M, Master CL, & **Mihalik JP**.
Concussion in youth hockey: Biomechanics, clinical outcomes, and recovery
National Operating Committee on Standards for Athletic Equipment (NOCSAE)

Role: Co-Investigator (17%)

Total Award: \$245,795 to Children's Hospital of Philadelphia

DC: \$25,217 F&A: \$5,043 Total: \$30,260 (UNC subaward)

02/01/11 – 01/31/12 Marshall SW, Daniels J, **Mihalik JP**, & Guskiewicz KM.
Omega-3 intake and risk of head injury in children

National Operating Committee on Standards for Athletic Equipment (NOCSAE)

Role: Co-Investigator (10%)

DC: \$88,617 F&A: \$16,277 Total: \$104,894

07/01/09 – 06/30/10 Sumrall AZ, **Mihalik JP**, & Guskiewicz KM.
An investigation of head impact biomechanics in the context of body and ambient temperature

Gatorade Sports Science Institute

Role: Co-Principal Investigator (0%)

DC: \$3,500 F&A: \$0 Total: \$3,500

12/01/05 – 11/30/06 **Mihalik JP**, McMurray RG, & Guskiewicz KM.
The effects of the menstrual cycle on clinical measures of concussion
Mid Atlantic Athletic Trainers' Association District III Research Grant Award

Role: Principal Investigator (0%)

DC: \$1,810 F&A: \$0 Total: \$1,810

C. Intramural Funding

C1. Pending/In Review (1)

07/01/16 – 06/30/17 Teel EF & **Mihalik JP**
The effect of ACTIVE training on clinical and physiological outcomes in healthy and concussed college-aged participants

NC TraCS Predoctoral Translational Research Training Program

Role: Co-Investigator (0%)

DC: TBD

F&A: \$0

Total: TBD

C2. Current (1)05/15/16 – 08/15/16 Teel EF & **Mihalik JP**

The effect of ACTIVE training on clinical and physiological outcomes in healthy and concussed college-aged participants

UNC-CH Graduate School Summer Fellowship

Role: Co-Investigator (0%)

DC: \$4,000

F&A: \$0

Total: \$4,000

C3. Completed (4)01/01/15 – 12/31/15 **Mihalik JP** & Lynall RC.

Acute tandem gait deficits following sport-related traumatic brain injury in high school athletes

UNC-Chapel Hill Junior Faculty Development Award

Role: Principal Investigator (0%)

DC: \$7,500

F&A: \$0

Total: \$7,500

07/01/14 – 06/30/15 **Mihalik JP**, Giovanello KS, & Carneiro KA.

Third Matthew Gfeller Sport-Related Neurotrauma Symposium

Arts & Sciences Grants for Interdisciplinary Initiatives

Role: Principal Investigator (0%)

DC: \$4,500

F&A: \$0

Total: \$4,500

03/01/11 – 02/28/12 Register-Mihalik JK, Guskiewicz KM, **Mihalik JP**, Giovanello K, & Marshall SW.

Refining a dual-task rehabilitation progress for mild traumatic brain injury

The North Carolina Translational and Clinical Sciences Institute

Role: Co-Investigator (0%)

DC: \$10,000

F&A: \$0

Total: \$10,000

07/01/03 – 06/30/04 **Mihalik JP**, Myers JB, Sell TC, Lephart SM, Collins MW, Lovell MR, et al.

Postural Control Strategies Observed in Patients with Mild Head Injury

School of Health and Rehabilitation Sciences Research Development Fund

Role: Principal Investigator (0%)

DC: \$952

F&A: \$0

Total: \$952

C4. Not Funded (4)07/01/16 – 06/30/17 Teel EF, **Mihalik JP**, Register-Mihalik JK, Guskiewicz KM, & Battaglini CL

The effect of ACTIVE training on clinical and physiological outcomes in healthy and concussed college-aged participants

North Carolina Translational & Clinical Sciences Institute 2K Award

Role: Co-Investigator (0%)

DC: \$2,000

F&A: \$0

Total: \$2,000

01/01/15 – 12/31/15 Campbell KR, Cutcliffe HC, Lynall RC, Luck JF, Bass CR, & **Mihalik JP**.

Head impact: How do we determine 'bad'?

Kenan-Biddle Partnership

Role: Co-Investigator (0%)

DC: \$5,000

F&A: \$0

Total: \$5,000

01/01/12 – 12/31/12 **Mihalik JP**, Guskiewicz KM, Register-Mihalik JK, Marshall SW, Gioia GA, &

Valovich McLeod TC.

Sport-related concussion legislation smartphone application
Office of the Vice Chancellor for Research & Innovate@Carolina (UNC-Chapel Hill)
Role: Principal Investigator (0%)
DC: \$40,000 F&A: \$0 Total: \$40,000

07/01/10 – 06/30/11 **Mihalik JP**, Guskiewicz KM, Whitton MC, et al.
Acquisition of a virtual environment to evaluate and rehabilitate traumatic brain injury
North Carolina General Assembly
Role: Principal Investigator (0%)
DC: \$156,900 F&A: \$0 Total: \$156,900

PROFESSIONAL SERVICE

A. Leadership and Service to Profession

Canadian Athletic Therapists Association

Canadian Concussion Cooperative, March 2015 – Present
Vice-President, June 2013 – May 2015
Board of Directors, July 2010 – Present
Chair, Continuing Education Task Force, January 2013 – Present
International Relations Committee—CATA Liaison to the NATA, May 2012 – May 2015
Chair, By-Law Task Force, May 2011 – May 2012
Program Accreditation Committee, October 2007 – May 2012

National Athletic Trainers' Association

Inter-Association Task Force for Appropriate Care of the Spine-Injured Athlete, 2015
Position Statement: Head Contact in Collision Sports, 2014 – Present
Inter-Association Task Force for Preventing Sudden Death in Secondary School Athletics Programs, 2013
Inter-Association Task Force for Preventing Sudden Death in Collegiate Conditioning Sessions, 2012

J. Pat Evans Research Foundation

Research Committee Chair, July 2009 – Present

Mayo Clinic Sports Medicine Center Ice Hockey Summit II: Action on Concussion

Steering Committee, September 2012 – Present

B. Research service

Editorial board membership

Journal of Athletic Training, April 2015 – Present
Athletic Training and Sports Health Care, May 2008 – Present
ISRN Emergency Medicine, April 2011 – September 2013
Frontiers in Sports Neurology, April 2011 – September 2013

Journal peer reviewer

American Journal of Preventive Medicine
American Journal of Sports Medicine
Annals of Biomedical Engineering
ASTM Special Technical Publications
Clinical Journal of Sports Medicine
Critical Care Medicine
International Journal of Sport Communication

International Journal of Sports Medicine
Journal of Athletic Training
Journal of Special Operations Medicine
Journal of Sport Rehabilitation
Journal of the ASTM International
Medicine & Science in Sports & Exercise
Neurosurgery
Pediatrics

Grant reviewer

J. Pat Evans Research Foundation
National Athletic Trainers' Association Research and Education Foundation
National Operating Committee on Standards for Athletic Equipment

C. Within UNC-Chapel Hill

Laboratory leadership

Co-Director, Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center
Director, Exercise and Sport Science Cadaver Anatomy Laboratory

Departmental service

Blyth Lecture Committee, 2011 – Present
Facilities Committee, 2010 – Present
Search Committee, Sport Administration Lecturer/Adviser, 2013 – 2014
Co-Chair, HMSC Director Search Committee, 2013
Chair Nomination Committee, 2012 – 2013
Co-Chair, Ronald W. Hyatt Scholarship Committee, 2013
Search Committee, Sport epidemiology faculty position, 2012 –2013
Program Chair, Matthew Gfeller Sport-Related Neurotrauma Symposium, 2010 – Present
Evaluator, Comprehensive Examinations, 2009 – Present
Patrick Earey Award Selection Committee, 2011 – 2013
Scholar Athlete Award Selection Committee, 2012 – 2013

University service

Faculty Information Technology Advisory Panel (FITAP), 2014 – Present
College of Arts & Sciences Conflict of Interest Committee, 2012 – Present
Graduate School Impact Awards Selection Committee, 2012
Faculty Council, Runner-Up, Arts & Sciences Non-Tenured, 2011
Graduate Student Representative to the Associate Vice Chancellor for University Relations
(Carolina Engagement Council), 2007 – 2009

D. Community engagement

Invited presentations (16)

Mihalik JP. College Athlete Safety Panel. *Sixth Annual College Sport Research Institute Conference on College Sport*, Chapel Hill, NC. (April 18, 2013).

Mihalik JP. Head games and Athletic Therapy. *Sheridan College*, Brampton, Ontario, Canada. (October 18, 2012).

Mihalik JP. Heads up on concussions. *Randolph Hospital Medical Series*, Asheboro, NC. (August 28 & September 18, 2012).

Mihalik JP. Finding an academic position. *Career Symposium for Graduate Students and Postdoctoral Research Fellows*, UNC-Chapel Hill, NC. (November 5, 2011).

Mihalik JP. Preparing youth for high velocity sports. *Rawlings Football ProtectEd Event*, St. Louis, MO. (August 6, 2011).

Mihalik JP. Advanced concussion management: Frontiers of research, and selected case studies. *Carolina Family Practice and Sports Medicine*, Raleigh, NC. (July 16, 2011).

Mihalik JP. Head injuries. *The Game Plan for Sports*, Chapel Hill, NC. (September 30, 2010).

Mihalik JP. Now that's using your head: The latest breakthroughs in concussion research. *WakeMed SportFit CME2010*, Raleigh, NC. (June 19, 2010).

Mihalik JP. Concussion in youth ice hockey: A coach's perspective. *2010 USA Hockey Level IV Coaching Certification Course*, Durham, NC. (May 13, 2010).

Mihalik JP. Head injury biomechanics. *2010 University of North Carolina Athletic Training Symposium*, Chapel Hill, NC. (February 27, 2010).

Mihalik JP. (2009). Current trends in concussion management: Driving the future of pediatric concussion research. *WakeMed Pediatric Grand Rounds*, Raleigh, NC. (February 18, 2009).

Mihalik JP. Sports-related concussion: Bridging the gap between research and clinical practice. *NATA Seminar at the 2007 National Sportscasters and Sportswriters Association Annual Awards Program*, Salisbury, NC. (April 28-29, 2007).

Mihalik JP & Guskiewicz KM. Kinesiology of the lower extremity. *The University of North Carolina Orthopaedic Residency Program Lecture Series*. Chapel Hill, NC. (May 11, 2006).

Mihalik JP. Current concepts in the management of sports-related head injuries. *The Western Pennsylvania Hospital Family Practice Residency Program Lecture Series*. Pittsburgh, PA. (June 21, 2004).

Mihalik JP. Orthopaedic and Sports Medicine Seminar. *Dunbar Medical Lecture Series*. Mississauga, ON, Canada. (Summer 2003).

Mihalik JP. Orthopaedic and Sports Medicine Seminar. *Dunbar Medical Lecture Series*. Mississauga, ON, Canada. (Summer 2002).

E. Selected media appearances

I-Team: How dangerous is football for teens?

ABC11 Eyewitness News

URL: <http://abc11.com/sports/i-team-how-dangerous-is-football-for-teens/1200974/>

February 15, 2016 (Television)

Football and the brain

CBS 60 Minutes

URL: <http://www.cbsnews.com/news/football-and-the-brain-nfl-60-minutes/>

November 15, 2015 (Television)

Concussion research at UNC

Time Warner Cable News

URL:

<http://mms.tveyes.com/transcript.asp?StationID=8165&DateTime=11/14/2015%209:28:13%20PM&playclip=true>

November 14, 2015 (Television)

UNC youth ice hockey concussion research
Carolina Hurricanes Pre-Game Show on Fox Sports Carolinas
March 1-2, 2014 (Television—2-part series)

Concussion study
Football Saturdays on Raycom Sports
URL: <http://raycomsports.com/football-saturdays-in-the-south/>
August 3, 2013 (Television)

UNC leads way in concussion research
WRAL News
URL: <http://www.wralsportsfan.com/a-concussion-will-give-you-a-headache-/12109687/>
February 14, 2013 (Television and online)

Concussion? There's an app for that
UNC Spotlight Feature
URL: <http://www.unc.edu/spotlight/concussion-app>
March 5, 2012 (Posted to www.unc.edu as Spotlight Feature)

Youth hockey aims to curb concussion risk
Raleigh News & Observer
URL: <http://www.newsobserver.com/2011/12/19/1719682/youth-hockey-aims-to-curb-concussion.html>
December 19, 2011 (Print and Online media)

Experts say helmets are not cure-all
ESPN NFL
URL: <http://sports.espn.go.com/nfl/news/story?id=6685511>
June 20, 2011 (Online media)

App for mobile phones helps diagnose concussions
Fox News
URL: <http://www.foxnews.com/health/2011/06/03/app-for-mobile-phones-helps-diagnose-concussions/>
June 3, 2011 (Online)

Expert discusses advances in concussion research
National Collegiate Athletic Association News
URL: <http://www.ncaa.org/wps/wcm/connect/public/ncaa/resources/latest+news/2011/february/expert+discusses+advances+in+concussion+research>
February 8, 2011 (Online)

At the Mayo Clinic: Women's hockey, a most dangerous sport
New York Times Slap Shot: News from the hockey world
URL: <http://slapshot.blogs.nytimes.com/2010/10/19/at-the-mayo-clinic-womens-hockey-a-most-dangerous-game/>
October 19, 2010 (Online blog)

Bracing for blow may ward off brain injury
Paging Dr. Gupta
URL: <http://pagingdrgupta.blogs.cnn.com/2010/05/17/bracing-for-blow-may-ward-off-brain-injury>
May 17, 2010 (Online blog)

'Keep head up' hockey advice gains proof

CBC News

URL: <http://www.cbc.ca/m/rich/health/story/2010/05/16/hockey-boys-helmet-head-injury.html>

May 17, 2010 (Print media)

Offensive play: How different are dogfighting and football?

The New Yorker

URL: http://www.newyorker.com/reporting/2009/10/19/091019fa_fact_gladwell

October 19, 2009 (Print media)