

# Susan Walker Yeargin, PhD, ATC

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## Education

Doctorate of Philosophy Major- Kinesiology	<b>University of Connecticut</b>	2007
Master of Science Major- Exercise and Sport Science Specialization: Athletic Training	<b>University of Florida</b>	2003
Bachelor of Science Major- Kinesiology Concentration: Athletic Training	<b>James Madison University</b>	2001

## Professional Experience

Associate Professor Undergraduate and Post-Professional Graduate Athletic Training Programs Department of Exercise Science, 2016 to present Department of Physical Education and Athletic Training, 2012-2016 <i>Athletic Training Research Laboratory Coordinator, 2013 to present</i>	<b>University of South Carolina</b>	8/2012 to present
Assistant Professor Undergraduate and Post-Professional Graduate Athletic Training Programs Applied Medicine and Rehabilitation Department <i>Graduate Program Director- CAATE Accredited Post Professional Athletic Training Education Program, 1/2010 to 5/2012</i> <i>Assistant Professor- Joint Appointment in the Masters in Physician Assistant Studies and Doctorate of Physical Therapy Program, 1/2011 to 5/2012</i> <i>Research Laboratory Coordinator, 8/2008 to 1/2010</i>	<b>Indiana State University</b>	8/2007 to 5/2012
Clinical Laboratory Instructor Undergraduate Athletic Training Education Program Department of Kinesiology <i>Research Graduate Assistant- Human Performance Laboratory</i>	<b>University of Connecticut</b>	6/2003-6/2007
Graduate Assistant Athletic Trainer University Athletics Association Head Athletic Trainer- Swimming and Diving Pre-season Football	<b>University of Florida</b>	7/2001-7/2003

Refereed Journal Manuscripts

46. Kerr ZY, **Yeargin SW**, Hosokawa Y, Hirschhorn RM, Pierpoint LA, Casa DJ. The epidemiology and management of exertional heat illnesses in high school sports during the 2012/13-2016/17 academic years. *Journal of Sports Rehabilitation*. (Accepted- In Press)
45. **Yeargin SW**, Dompier TP, Casa DJ, Kerr ZY. Epidemiology of exertional heat illnesses in NCAA athletes, 2009/10-2014/15. *Journal of Athletic Training*. (Accepted- In Press)
44. **Yeargin SW**, Dickinson J, Koller J, Emerson DM, Torres-McGehee TM. Exertional Heat Illness Risk Factors and Physiological Responses of Youth Football Players. *Journal of Sport and Health Science* (Accepted- In Press)
43. *Hirshhorn R*, Kerr ZY, Wasserman EB, Kay MC, Clifton DR, Dompier TP, & **Yeargin SW**. Epidemiology of injuries requiring emergency transport among college and high school student-athletes. *Journal of Athletic Training*. 2018; 53(9): 906-914
42. Kerr ZY, Lincoln AE, Dodge T, **Yeargin SW**, Covassin TM, Nittoli VC, Mensch KG, Roos KG, Dompier TP, Caswell SV. Epidemiology of Youth Boys' and Girls' Lacrosse Injuries in the 2015 to 2016 Seasons. *Medicine and Science in Sports and Exercise*. 2018; 50(2): 284-291.
41. Pryor R, Casa DJ, **Yeargin SW**, Kerr ZY. Sports medicine staff size influences exertional heat illness policies in high school football. *International Journal of Athletic Therapy and Training*. 2018; 23(4): 172-177.
40. Baracks J, Casa DJ, Covassin T, Sacko R, Scarneo S, Schyner D, **Yeargin SW**, Neville C. Acute sports-related concussion screening for collegiate athletes using an instrumented balance assessment. *Journal of Athletic Training*. 2018; 53(6):597-605
39. Kerr ZY, Lincoln AE, Dodge T, **Yeargin SW**, Covassin TM, Nittoli VC, Mensch J, Roose KG, Dompier TP, Caswell SV. Epidemiology of youth boys' and girls' lacrosse injuries in the 2015-2016 seasons. *Medicine and Science in Exercise and Sport*. 2018; 50(2): 284-291.
38. **Yeargin SW**, Kingsley P, Mensch J, Mihalik J, Monsma E. Anthropometrics and maturity status: a preliminary study of youth football head impact biomechanics. *International Journal of Psychophysiology*. 2018 Oct;132:87-92 (special issue invitation)
37. Kerr ZY, Kroshus E, Lee JGL, **Yeargin SW**, Dompier TP. Coaches' implementation of the USA Football "Heads Up Football" Educational Program. *Health Promotion Practice*. 2018; 19(2):184-193
36. Mihalik JP, Sumrall AZ, **Yeargin SW**, Guskiewicz KM, King KB, Trulock SC, & Shields EW. Environmental and Physiological Factors Affect Football Head Impact Biomechanics. *Medicine and Science in Exercise and Sport*. 2017;49(10):2093-2101
35. Kerr ZY, Quigley A, **Yeargin SW**, Lincoln AE, Mensch J, Caswell SW, Dompier TP. The epidemiology of NCAA men's lacrosse injuries, 2009/10-2014/15 academic years. *Injury Epidemiology*. 2017; 4(1):6.

34. **Yeargin SW**, Cahoon E, Hosokawa Y, Mensch J, Dompier TP, Kerr ZY. Environmental conditions and seasonal variables in American youth football leagues. *Clinical Pediatrics*. 2017; 56(13): 1209-1218.
33. Kerr ZY, **Yeargin SW**, Djoko A, Dalton, Niceley, Dompier TP. Examining play counts and measurements of injury incidence in youth football. *Journal of Athletic Training*. 2017; 52(10): 955-965.
32. **Yeargin SW**, McKenzie AL, Eberman LE, Kingsely JD, Dziedzicki DJ, Yoder PJ. Physiological and Perceived Effects of Field Cooling Strategies during Simulated Firefighting Activity. (Special Edition: Tactical Athlete) *Journal of Athletic Training*. 2016; 51(11): 927-935.
31. **Yeargin SW**, Kerr ZY, Casa DJ, Djoko A, Hayden R, Parsons JT, & Dompier TP. Epidemiology of Exertional Heat Illnesses in Youth, High School, and College Football. *Medicine and Science in Sports and Exercise*. 2016; 48 (8): 1523-9.
30. **Yeargin SW**, Bowman S, Eberman LE, Edwards J. Effect of Fluid Delivery Method on Drinking Efficiency in Youth. *International Journal of Athletic Therapy and Training*. 2016; 21(1): 56-61.
29. Casa DJ, et al, **Yeargin SW**. National Athletic Trainers' Association Position Statement: Exertional Heat Illnesses. *Journal of Athletic Training*. 2015; 50 (9): 986-1000.
28. Adams H, Eberman L, **Yeargin SW**, Niemann A, Mata H, and Dziedzicki D. Effects of Agitation and Storage Temperature on Measurements of Hydration Status. *Asian Journal of Sports Medicine*. 2015 Dec; 6(4): e24041.
27. Kerr ZY, **Yeargin SW**, Valovich McLeod TC, Mensch J, Hayden R, Dompier TP. Comprehensive Coach Education Reduces Head Impact Exposure in American Youth Football. *Orthopedic Journal of Sports Medicine*. 2015; 3(10): 1-6.
26. Kerr ZY, Marshall SW, Simon JE, Hayden R, Snook EM, Dodge T, Gallo J, McLeod-Valovich TC, Mensch J, Murphy JM, Nittoli VC, Dompier TP, Ragan B, **Yeargin SW**, Parsons J,. Injury Rates in Age-Only Versus Age-and-Weight Playing Standard Conditions in American Youth Football. *Orthopedic Journal of Sports Medicine*. 2015; 3(9): 1-6.
25. Kerr ZY, **Yeargin SW**, Valovich McLeod TC, Nittoli, Mensch J, Dodge T, Hayden R, Dompier TP. Comprehensive Coach Education and Practice Contact Restrictions Lower Injury Rates in Youth American Football. *Orthopedic Journal of Sports Medicine*. 2015; 3(7): 1-8.
24. **Yeargin SW**, Finn, M, Eberman LE, McDermott BP, Gage, Niemann A. Ad libitum fluid consumption via self- or external administration. *Journal of Athletic Training*. 2015; 50(1):51-58.
23. *Guzzo SJ*, **Yeargin SW**, Carr JS, Demchak TJ, Edwards JE. The effects of walking on gastrocnemius cooling during an ice bag treatment. *International Journal of Athletic Training and Therapy*. 2014; 19(6): 34-40.
22. Bagley JR, Judelson DA, Spiering BA, Beam WC, Bartolini JA, Washburn BV, Carney KC, Muñoz CX, **Yeargin SW**, and Casa DJ. Validity of field expedient measurement devices to assess core body temperature in the cold. *Aviation, Space, and Environmental Medicine*. 2011; 82 (12): 1098-1103.

21. **Yeargin SW**. In hypohydrated individuals, does a carbohydrate-electrolyte beverage compared to water, rehydrate individuals and decrease symptoms? *Circulation*. 2010; 22 (16): S590, 1705A1-7.
20. **Yeargin SW**. In victims with heat exhaustion or heat syncope, what treatment as opposed to no treatment decrease/resolves symptoms? *Circulation*. 2010; 22 (16): S591, 1706A1-7.
19. **Yeargin SW**, Casa DJ, McDermott BP, Ganio MS, Lopez RM, Maresh CM, Armstrong LE, Anderson J. Thermoregulatory and hydration responses in heat-acclimatized adolescents during preseason high school football practices. *Journal of Athletic Training*. 2010; 45(2): 136-146.
18. Mazerolle SM, **Yeargin SW**. Pedagogical tools to address clinical anatomy and athletic training student learning styles. *Athletic Training Education Journal*. 2010; 5(3): 133-142.
17. Ganio MS, Klau JF, Lee EC, **Yeargin SW**, McDermott BP, Maresh CM, Armstrong LE. Effect of Various Carbohydrate-Electrolyte Fluids on Cycling Performance and Maximal Voluntary Contraction. *International Journal of Sport Nutrition and Exercise Metabolism*. 2010;20(2):104-14.
16. Casa DJ, Stearns RL, Lopez RM, Ganio MS, McDermott BP, **Yeargin SW**, Yamamoto LM, Mazerolle SM, Roti MW, Armstrong LE, and Maresh CM. Hydration Effects Thermoregulation and Performance during Trail Running in the Heat. *Journal of Athletic Training*. 2010; 45(2):147-56.
15. Armstrong LE, Klau JF, Ganio MS, McDermott BP, **Yeargin SW**, Lee EC, and Maresh CM. Accumulation of D<sub>2</sub>O in plasma and eccrine sweat during exercise-heat stress. *European Journal of Applied Physiology & Occupational Physiology*. **2010**; 108:477-482.
14. McDermott BP, Casa DJ, **Yeargin SW**, Ganio MS, Lopez RM, Glaviano NR, Huggins RB, Myers SL, Stover EA. Hydration Status, Sweat Variables, and Rehydration Education of Youth Football Campers. *Journal of Sport Rehabilitation*. 2009; 18: 535-552.
13. McDermott BP, Casa DJ, Adams B, O'Connor F, Brennan AH, Troyanos C, **Yeargin SW**, Stearns RL, Lopez RM, Armstrong LE. Cold-Water Dousing With Ice Massage To Treat Exertional Heat Stroke: A Case Series. *Aviation, Space, and Environmental Medicine*. 2009; 80: 720-722.
12. Casa DJ, Csillan D, et al, **Yeargin SW** Pre-season heat-acclimatization guidelines for secondary school athletics. *Journal of Athletic Training*. 2009; 44(3): 332-333. (Inter-Association Task Force for Preseason Secondary School Athletics Participants)
11. Mazerolle SM, **Yeargin SW**, Casa DJ, Casa TM. Heat and Hydration Curriculum Issues: Part 3 of 4-Rectal Thermometry. *Athletic Therapy Today*. 2009; 25-31.
10. McDermott BP, Casa DJ, Ganio MS, Lopez RM, **Yeargin SW**, Armstrong LE, Maresh CM. Acute whole-body cooling for exercise-induced hyperthermia: a systematic review. *Journal of Athletic Training*. 2009; 44(1): 84-93.
9. Ganio MS, Brown CM, Casa DJ, Becker SM, **Yeargin SW**, McDermott BP, Boots L, Boyd P, Armstrong LE, and Maresh CM. Validity and reliability of devices that assess body temperature during indoor exercise in the heat. *Journal of Athletic Training*. 2009; 44(2): 124-135.

8. Decher NR, Casa DJ, **Yeargin SW**, Levreault ML, Cross CL, James CT, McCaffrey MA, O'Connor CB, Ganio MS, and Brown SW. Knowledge of and attitudes towards hydration in youths at summer sports camp: Incidence of dehydration. *International Journal of Sports Physiology and Performance*. 2008; 3(3): 262–278.
7. Casa DJ, Becker SM, Ganio MS, Brown CM, **Yeargin SW**, Roti MW, Siegler J, Blowers JA, Glaviano NR, Huggins RA, Armstrong LE, Maresh CM. Examining the validity of devices that assess body temperature during outdoor exercise in the heat. *Journal of Athletic Training*. 2007; 42(3): 333-342.
6. McDermott BP, Casa DJ, **Yeargin SW**, Ganio MS, Armstrong LE, Maresh CM. Recovery and return to activity following exertional heat stroke: Considerations for the sports medicine staff. *Journal of Sport Rehabilitation*. 2007; 16(3):163-181.
5. Casa DJ, McDermott BP, Lee EC, **Yeargin SW**, Armstrong LE, Maresh CM. Cold-water immersion: The gold standard for exertional heat stroke treatment. *Exercise and Sport Sciences Reviews*. 2007; 35(3):141-149.
4. **Yeargin SW**, Casa DJ, Armstrong LE, Watson G, Judelson DA, Psathas E, and Sparrow S. Heat acclimatization of football players during initial summer practice sessions. *Journal of Strength & Conditioning Research*. 2006; 20(3): 463-470.
3. **Yeargin SW**, Casa DJ, McClung JM, Knight JC, Goss PJ, Hipp GR, Harvard WR, Clements JM. Body cooling between two bouts of exercise in the heat enhances subsequent performance. *Journal of Strength & Conditioning Research*. 2006; 20(2): 383-389.
2. Casa DJ, Armstrong LE, Ganio MS, and **Yeargin SW**. Exertional Heat Stroke in Competitive Athletes. *Current Sports Medicine Reports*. 2005; 4: 309-317.
1. Watson G, Judelson DA, Armstrong LE, **Yeargin SW**, French DN, Sharman MJ, Hatfield DL, Dias JC, Casa DJ, and Maresh CM. Influence of diuretic-induced dehydration on competitive sprint and power performance. *Medicine & Science in Sport & Exercise*. 2005; 37(5): 1168-1174.

#### *Manuscripts Under Review*

1. Kerr ZY, Roos KG, Lincoln AE, **Yeargin SW**, Grant J, Covassin T, Dodge T, Nittoli V, Mensch J, Quetant S, Wasserman E, Dompier TP, Caswell S. Injury incidence in youth, high school, and NCAA boys'/men's lacrosse: 2014/15-2016/17 seasons. *Pediatrics*.
2. Kerr ZY, Scarneo SE, **Yeargin SW**, Grundstein AJ, Casa DJ, Pryor RR, Register-Mihalik JK. Exertional heat stroke preparedness in United States high school football is associated with region and state mandates. *Journal of Athletic Training*

#### *Manuscripts in Preparation*

1. Roberts W, Armstrong LE, O'Connor F, Yuval H, Sawka M, Leon L, **Yeargin SW**. American College of Sports Medicine Exertional Heat Illness Position Statement. *Medicine and Science in Sport and Exercise*

2. Eith J, Emerson D, Haggard C, **Yeargin SW**. Use and knowledge of weight charts by clinical athletic trainers. *Journal of Athletic Training*.
3. Chandran A, **Yeargin SW**, Mensch J, Kerr ZY. Influence of developmental and sociological factors on concussion knowledge, attitudes, and self-reporting intentions.
4. Miller KM, McDermott B, & **Yeargin SW**. Sweat characteristics predict EAMC prone athletes in American football but not other sports. *International Journal of Sport Nutrition and Exercise Metabolism*.
5. Emerson D, deWeber K, Torres-McGehee TM, **Yeargin SW**. Collegiate and Professional Ice Hockey Athletic Trainers' Hydration Practices and Knowledge: Part 1. *International Journal of Athletic Training and Therapy*.
6. Emerson D, deWeber K, Torres-McGehee TM, **Yeargin SW**. Collegiate and Professional Ice Hockey Athletic Trainers' Hydration Practices and Knowledge: Part 2. *International Journal of Athletic Training and Therapy*
7. **Yeargin SW**, Taronto N, Mensch J, Kerr ZY. Influence of demographics in youth American tackle football parent's knowledge and attitude of concussion
8. Koller J, Torres-McGehee TM, Dickinson J, Emerson DM, **Yeargin SW**. Hydration and eating patterns in age and weight-restricted youth football players.
9. **Yeargin SW**, Niemann A, Eberman L, Adams H, Mata H, and Dziedzicki D. Valid Instruments for the clinical measure of hydration status.

#### Refereed Commentary Articles

1. **Yeargin, SW**. Commentary on: Ückert S, Joch W. Effects of warm-up and precooling on endurance performance in the heat. *Br J Sports Med*. 2007;41:380-384. *Clinical Journal Sport Med*. 2008; 18(2): 177-178.
2. Casa DJ, **Yeargin SW**. Avoiding Dehydration among young athletes. *ACSM's Health and Fitness Journal*. May/June 2005; 9(3):20-23.
3. **Yeargin SW**. Leading causes of fatal and nonfatal unintentional injury for children and teen and the role of lifestyle clinicians: a commentary. *American Journal of Lifestyle Medicine*. 2019; 13(1): 26-29.

#### Invited Book Chapters

1. **Yeargin SW**, Yeargin BE, Androlia A, Varacallo C. Environmental and immune-mediated conditions. In: Stearns R, ed. *Preventing Sudden Death in Sport and Physical Activity*. Vol 2. Burlington, MA: Jones and Bartlett Learning; 2016.
2. **Yeargin SW**. Anaphylaxis, hypothermia, diabetes, and altitude illnesses. In: Casa DJ, ed. *Emergency Procedures in Sports Medicine*. Burlington, MA: Jones and Bartlett Learning; 2014.

3. **Yeargin SW**, Yeargin BE, Anderson J. Anaphylactic shock, hypothermia, diabetes, and wilderness medicine. In: Casa DJ, ed. *Preventing Sudden Death in Sport and Physical Activity*. Vol 1. Burlington, MA: Jones and Bartlett Learning; 2012.

#### Other Scholarly Works

1. **Yeargin SW**. Assessment of Body Temperature: NATA Board of Certification, Continuing Education Course; 2 EBP. *Medbridge Education*. 2018
2. **Yeargin SW**. Exertional Heat Illness: NATA Board of Certification, Continuing Education Course; 4 EBP. *Medbridge Education*. 2014
3. **Yeargin SW**. Hydration in Athletes: NATA Board of Certification, Home Study Continuing Education Course. *Human Kinetics*. 2004.

#### Non Refereed Articles

14. **Yeargin SW**. Why Body Temperature is Essential in Heat Stroke Assessment. *MedBridge Blog*. 2018.
13. **Yeargin SW**. Study Highlights Effects of Forearm and Head Cooling During Firefighting and Rehab. *Firehouse*. Safety and Health. 2017.
12. **Yeargin SW**. Dangerous Myths about Exertional Heat Stroke. *MedBridge Blog*. 2016.
11. Miller KM, Lopez R, McDermott B, Casa D, **Yeargin SW**. Rectal probe use to identify heat stroke: editorial rebuttal. *NATA News*. 2015
10. **Yeargin SW**. Do children handle heat as well as adults? *MomsTeam*. 2013.
9. **Yeargin SW**. New American Red Cross/American Heart Association first aid guidelines: athletic trainers leading the way. *NATA News*. 2011.
8. **Yeargin SW**. Ten ways to prevent heat illness. *MomsTeam*. 2011.
7. **Yeargin SW**. Ten hydration tips for youth athletes. *MomsTeam*. 2011.
6. **Yeargin SW** and Grammar S. Hydration tips for youth athletes with cystic fibrosis and diabetes. *MomsTeam*. 2011.
5. Niemann A and **Yeargin SW**. Cold weather sports: recognizing and preventing dehydration, hypothermia and frostbite. *MomsTeam*. 2011
4. **Yeargin SW**. Top five heat illness and hydration myths about children. *MomsTeam*. 2010.
3. **Yeargin SW**. How to tell if your child is dehydrated. *MomsTeam*. 2010.
2. **Yeargin SW**. Drinking fluids before, during, and after sports important for children. *MomsTeams*. 2010.
1. **Yeargin SW**. Heat stroke symptoms and treatments. *MomsTeam*. 2010.

## Grants: Research, Funded

14. **Yeargin SW**. Objective Brain Function Assessment of mTBI from Initial Injury to Rehabilitation and Treatment Optimization - Validation study. Sub-contract grant: BrainScope Company from Department of Defense, (Site PI)
13. **Yeargin SW**, Mensch J. Objective Brain Function Assessment of mTBI from Initial Injury to Rehabilitation and Treatment Optimization. Sub-contract grant: BrainScope Company from Department of Defense, 2015-2017: **\$120,733**, 2016: **\$124,430** (Site PI)
12. **Yeargin SW**, Mensch J. Lacrosse Study Tracking Injuries and Concussions in Kids (LAX-STICK). Sub-contract grant: Datalys Center for Sports Injury Research from National Operating Committee on Standards for Athletic Equipment (NOCSAE), 2015: **\$30,000** (PI), 2016: **\$30,000** (Co-I)
11. Mensch J, **Yeargin SW**. Youth Football Safety Study. Sub-contract grant: Datalys Center: Sports Injury Research & Prevention from USA Football. 2014: **\$53,018**, 2015: **\$58,390** (Co-I), 2016: **\$56,902**
10. **Yeargin SW**, Torres-McGehee TM. Prevalence of Exertional Heat Illness Risk Factors in Recreational Youth Football. University of South Carolina College of Education Incentive Grant "A", 2013. **\$5,000** (PI)
9. **Yeargin SW**. Validation of Hydration Status Measurement Methodology: A Five Part Investigation, Advanced Instruments Inc, 2011. **\$3,500** (PI)
8. **Yeargin SW**, Eberman LE, McKenzie A. Physiological and Perceived Effects of Field Cooling During Simulated Firefighting Activities, Indiana State University Center for Public Service and Community Engagement, 2010. **\$1940** (PI)
7. **Yeargin SW**. Telemetric Temperature Sensor Validity during Cold Water Drinking, Indiana State University Research Committee, 2009. **\$2,351** (PI)
6. **Yeargin SW**. Validity and Reliability of Telemetric Temperature Sensor Measurements, HQ Inc, 2008, **\$1200**. (PI)
5. **Yeargin SW**. Examining heat acclimatization in high school football players, University of Connecticut Extraordinary Expense Award, 2006. **\$500** (PI)
4. Casa DJ, **Yeargin SW**. A Survey Assessment of Athletic Trainer and Team Physician Behaviors Regarding the Prevention, Recognition and Treatment of Exertional Heat Stroke at the NFL, Collegiate and High School Levels, University of Connecticut Small Faculty Grant 2006. **\$1,000** (Co-I)
3. Casa DJ, **Yeargin SW**. Incidence and Degree of Dehydration in Children Exercising in the Heat in Summer Sports Camps, Gatorade Sports Science Institute 2006. **\$49,000** (Co-I)
2. Casa DJ, **Yeargin SW** Incidence and Degree of Dehydration in Children Exercising in the Heat in Summer Sports Camps, Gatorade Sports Science Institute 2005. **\$58,000** (Co-I)
1. **Yeargin SW**, Casa DJ Examining heat acclimatization in high school football players. NATA Research and Education Foundation, Doctoral Research Grant 2004. **\$2,500** (PI)



Grants: Research, In Review

1. **Yeargin SW**, Lininger M, Hirschhorn R, Mensch J. Prevalence and Factors of Improperly Fitted Youth American Football Helmets During One Season. NOCSAE. \$55,080

Grants: Research, Not Funded

12. Moore RD, Decker S, Torres-McGehee TM, Herter T, **Yeargin SW**. A Community-based Concussion Program for Disadvantaged Youth. 2018. \$599,487

11. Drenowatz C, **Yeargin SW** Pilot Study to determine feasibility of using Jawbone UP3 for Assessing Hydration Status. JawBone Inc, Submitted 2015. \$34,523.29 (Co-I).

10. **Yeargin SW**. Efficacy of a commercial cooling vest on physiological and perceptual measures during simulated firefighting activities in career firefighters. Mobile Rehab Systems 2014: \$39,694 (PI)

9. **Yeargin SW**. Efficacy of a commercial cooling shirt on physiological and perceptual measures during strength and conditioning drills in collegiate athletes. Mobile Rehab Systems 2014: \$38,413 (PI)

8. Mensch J, Guy J, Herter T, Holloway J, Monsma E, Stacy J, Torres-McGehee T, **Yeargin SW**. USC's Youth Sports Injury Research Program. ASPIRE II Grant, University of South Carolina Office of the Vice President of Research 2013 and resubmitted 2014. \$98,938 (Co-I)

7. **Yeargin SW**, Torres-McGehee TM. Prevalence of Exertional Heat Illness Risk Factors in Recreational Youth Football. ASPIRE I Grant, University of South Carolina Office of the Vice President of Research 2013. \$14,896 (PI)

6. **Yeargin SW**. Validation of Hydration Status Measurement Methodology: A Five Part Investigation, Indiana State University Charlotte Zitelow Women's Research Grant, 2011. \$2,000 (PI)

5. **Yeargin SW**. Fluid Preference of Youth During and After Activity, Hershey Co 2010. \$26,452 (PI)

4. **Yeargin SW**. Effect of Fluid Delivery Method on Youth Drinking Efficiency, Indiana State University Charlotte Zitelow Women's Research Grant, 2009. \$2,000 (PI)

3. **Yeargin SW**, Edwards J, Winkle J, Huxel K. Sniper Performance Enhancement through Thermoregulatory Monitoring and Hydration Control, Solicitation # H92222-07-BAA062707, United States Special Operations Biomedical Research Grant 2008. \$128,265 (PI)

2. Casa DJ, **Yeargin SW**. A Survey Assessment of Athletic Trainer and Team Physician Behaviors Regarding the Prevention, Recognition and Treatment of Exertional Heat Stroke at the NFL, Collegiate and High School Levels", Co-investigator. NATA Research and Education Foundation, Doctoral Research Grant 2006, \$2,000 (Co-I)

1. **Yeargin SW**, Casa DJ. Examining heat acclimatization in high school football players, Gatorade Sports Science Institute, Doctoral Research Grant 2004. \$3,500 (PI)

## Grants: Service, Funded

**6. Yeargin SW.** Southeastern Conference Visiting Faculty Grant. South Eastern Conference via the USC Provost Office, 2013. \$2,500 (PI)

**5. Yeargin SW.** Summer Undergraduate Research Stipend, Indiana State University's Strategic Planning Committee, 2011. \$500 (PI)

**4. Yeargin SW.** Use of Current Core Body Temperature Measurement Technology in the College and High School Sport Settings, Indiana State University Center for Instruction, Research, & Technology, 2009. \$600 (PI)

**3. Yeargin SW, Eberman LE.** Perspectives in Medicine- Medical Care of Heat Stroke Indiana State University Center for Public Service and Community Engagement Grant, 2008. \$1687 (PI)

**2. Yeargin SW, Eberman LE.** Perspectives in Medicine- Medical Care of Heat Stroke, West Central Indiana Area Health Education Center Grant, 2008. \$607 (PI)

**1. Yeargin SW.** Bodies: The Exhibition, A Multi-Learning Community Experiential Learning Event. Indiana State University First Year Programs Grant 2008. \$3684 (PI)

## Graduate Student Grants (Faculty Sponsor, Second Author)

Macintyre K, **Yeargin SW.** Youth football culture in the southeastern region of the united states: concussions. 2017

12. Datalys Injury Prevention Research Center: \$1000

Dickinson J, **Yeargin SW.** Activity Ratios and Physiological Responses of Youth Football Players in Warm Environments. 2013

12. Datalys Injury Prevention Research Center, Funded: \$923.78

11. Gatorade Sport Science Institute, Not Funded: \$3420.00

10. MidAtlantic Athletic Trainer's Association, Not Funded: \$1900

Koller J, **Yeargin SW.** Hydration and Eating Patterns in Age and Weight-Restricted Youth Football Players. 2013

9. Datalys Center, Not Funded: \$999.80

8. Gatorade Sport Science Institute, Not Funded: \$3422.80

7. MidAtlantic Athletic Trainer's Association, Not Funded: \$1900

Adams H, **Yeargin SW.** The Effect of Urine Agitation on the Measurement of Hydration Status. 2011

6. National Athletic Trainer's Master's Research Grant, Not Funded: \$1,000

5. GLATA Master's Research Grant, Not Funded: \$1,500

Niemann A, **Yeargin SW.** Effect of Instrument Type on the Measure of Hydration Status. 2011

4. National Athletic Trainer's Master's Research Grant, Not Funded: \$1,000

3. GLATA Master's Research Grant, Not Funded: \$1,500

McKenzie A, **Yeargin SW.** Physiological and Perceived Effects of Field Cooling in Simulated Firefighter Activity. 2010

2. Gatorade Sports Science Institute, Funded: \$3,500

Finn M, **Yeargin SW**. Effects of Fluid Administration on Ad Libitum Fluid Consumption and Hydration Status. 2010

1. Gatorade Sports Science Institute, Not Funded: \$3,500

Seven Master's Student's, **Yeargin SW**. Indiana State University College of Graduate and Professional Studies Research Grants, 2007-2011 Funded, \$500-600 each, ~\$4,000 total.

### Professional Presentations

*National: peer reviewed published abstracts*

National Athletic Trainer's Association Annual Conference

36. Emerson DM, Torres-McGehee TM, **Yeargin SW**, Kelly MR, Hirschhorn RM, Smith A, Weber SR, Uriegas NA, Usuki H, Hatcher M. Core Temperature and Environmental Factors among University Marching Band Musicians. National Athletic Trainers' Association Clinical Symposia & Expo, June 2019, Las Vegas, NV. Abstract in Review.

35. Uriegas NA, Torres-McGehee TM, Emerson DM, **Yeargin SW**, Kelly MR, Hirschhorn RM, Smith A, Weber SR, Usuki H, Hatcher M. Perceived Gastrointestinal Distress Symptoms among University Marching Band Musicians. National Athletic Trainers' Association Clinical Symposia & Expo, June 2019, Las Vegas, NV. Abstract in Review.

34. **Yeargin SW**, Emerson DM, Torres-McGehee TM, Hirschhorn RM, Smith A, Weber SR, Kelly MR, Uriegas NA, Hatcher M, Usuki H. Hydration Status, Fluid Intake and Thirst among University Marching Band Musicians. National Athletic Trainers' Association Clinical Symposia & Expo, June 2019, Las Vegas, NV. Abstract in Review.

33. Miller KC, **Yeargin SW**, McDermott BP. Sweat Electrolyte Concentrations and Sweat Rates of Athletes With and Without a History of Muscle Cramps. *Journal of Athletic Training*. 2018. 53(6): S207. June 2018 New Orleans LA.

32. Kerr ZY, Kroshus E, Lee JGL, **Yeargin SW**, Dompier TP. Training Alone May Not Lead to Meaningful Change: Coaches' Implementation of the USA Football "Heads Up Football" Educational Program. *Journal of Athletic Training*. 2017. 52(6): S71. June 2017 Houston TX.

31. Hirschhorn RM, Kerr ZY, Wasserman EB, Kay MC, Clifton DC, Dompier TP, **Yeargin SW**. Epidemiology of Injuries Requiring Emergency Transport Among College and High School Student-Athletes. *Journal of Athletic Training*. 2017. 52(6): S176. June 2017 Houston TX.

30. Macintyre K, **Yeargin SW**, Mensch J, Dompier TP. Concussions in a Single Youth Football League: A Case Series. *Journal of Athletic Training*. 2017. 52(6): S150. June 2017 Houston TX.

29. **Yeargin SW**, Eith JM, Emerson DM, Haggard CR. Certified athletic trainers' use of weight charts to measure hydration status. *Journal of Athletic Training*. 2016. 51(6): S166. June 2016 Baltimore, MD.

28. Eith JM, **Yeargin SW**, Haggard CR, Emerson DM. Current practices of certified athletic trainers concerning post practice fluid intervention strategies. *Journal of Athletic Training*. 2016. 51(6): S109. June 2016 Baltimore, MD.
27. Mall CL, Mensch J, **Yeargin SW**, Guy JA. ACL avulsion fracture in a youth football athlete. *Journal of Athletic Training*. 2016. 51(6): S344. June 2016 Baltimore, MD.
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21. Emerson CC, Minton DM, Torres-McGehee TM, **Yeargin SW**. Validity and reliability of two digital refractometers to a manual refractometer and urine color. *Journal of Athletic Training*. 2013;48(3):S-23. June 2013, Las Vegas, NV.
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18. Niemann AJ, **Yeargin SW**, Eberman LE, Adams HM, Mata HL. Valid instruments for the clinical measure of hydration status. *Journal of Athletic Training*. 2012; 47(3): S143. June 2012, St. Louis, MO.
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15. Kelly JL, Eberman LE, **Yeargin SW**, Vaal TL, Falconer SK. Athlete assessment of urine color effectively influences planned hydration behaviors. *Journal of Athletic Training*. 2011; (3): S186. June 2011, New Orleans, LA.
14. Vaal TL, Eberman LE, **Yeargin SW**, Kelly JL, Howder JR, Young KD, Sibrel DL. Body size and fitness characteristics of national football league players: an update. *Journal of Athletic Training*. 2011; (3): S187. June 2011, New Orleans, LA.
- 13. Yeargin SW**, Eberman LE, Falconer S, Vaal T. Validity of baseline body mass measurement across various football levels. *Journal of Athletic Training*. 2010; 45(3): S33. June 2010, Philadelphia, PA
12. Hernandez A, **Yeargin SW**, Eberman LE, Moore A, Edwards J, Casa DJ. Validity of the telemetric temperature pill with drinking cool water and ingestion time. *Journal of Athletic Training*. 2010; 45(3): S34. June 2010, Philadelphia, PA
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6. Sakurai T, **Yeargin SW**, Yeargin BE. Anaphylaxis by hornet stings in a cross country collegiate athlete. *Journal of Athletic Training*. 2008; 43(3):S133. June 2008, St. Louis, MO
- 5. Yeargin SW**, Casa DJ, McDermott BP, Lopez RM, Ganio MS, Lee EC, Vingen J, Hatfield D, Stearns RL, Chow SB, Warchol MD, Blowers JA, Armstrong LE, Anderson JM, Maresh CM. Body temperature, perceptual, and hormonal responses of adolescents during preseason high school football practices. *Journal of Athletic Training*. 2007; 4(2): S131. June 2007, Anaheim, CA
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American College of Sports Medicine Annual Conference

25. **Hirschhorn RM**, Cadet DA, Delus R, Phillips JL, Murphy T, Haggard C, **Yeargin SW**. The Prevalence of Sick Cell Trait in a Division I University Athletics Program. Sponsored by Douglas Casa. American College of Sports Medicine Annual Meeting, May 2019, Orlando, FL. Abstract in Review.

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20. McKenzie AL, **Yeargin SW**, Eberman LE, Kingsely JD, Dziedzicki DJ, Finn ME, Niemann AJ, Yoder PJ, Kelly JL, Vaal T. Physiological and perceived effects of head cooling during simulated firefighting activity. *Medicine & Science in Sport & Exercise*. 2011; S88. June 2011, Denver CO.

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- 15. Yeargin SW**, Judelson D, Casa DJ, McDermott BP, Decher NR, Ganio MS, Levreault ML. Relationships among urinary hydration markers and thirst sensation in exercising youth. *Medicine & Science in Sport & Exercise*. 2008; 40(5): S186. June 2008, Indianapolis, IN.
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- 11. Yeargin SW**, Casa DJ, McDermott BP, Ganio MS, Lopez RM, Stearns RL, Yamamoto LM, Blowers JA, Chow SB, Warchol MD, Armstrong LE, Anderson JM, Maresh CM, Stover EA. Tracking hydration variables in adolescents during preseason high school football practices. *Medicine & Science in Sport & Exercise*. 2007; 39(5):S16-S17. June 2007, New Orleans, LA
10. Lopez RM, **Yeargin SW**, Casa DJ, McDermott BP, Ganio MS, Stearns RL, Blowers JA, Chow SB, Warchol MD, Anderson JM, Armstrong LE, Maresh CM. Knowledge and habits of adolescents regarding hydration and heat illness during preseason high school football. *Medicine & Science in Sport & Exercise*. 2007; 39(5): S49. June 2007, New Orleans, LA
9. Casa DJ, McDermott BP, **Yeargin SW**, Ganio MS, Myers SL, Glaviano NR, Huggins RA, Decher NR, Stover EA. Youth hydration knowledge, habits, and self-reported environmental symptoms during summer football camp. *Medicine & Science in Sport & Exercise*. 2007; 39(5): S49. June 2007, New Orleans, LA
8. McDermott BP, Casa DJ, **Yeargin SW**, Ganio MS, Myers SL, Glaviano NR, Huggins RA, Decher NR, Stover EA. Hydration indices, sweat variables, and an educational intervention of youth football campers. *Medicine & Science in Sport & Exercise*. 2007; 39(5): S16. June 2007, New Orleans, LA
7. Ganio MS, Klau JF, Lee EC, **Yeargin SW**, McDermott BP, Maresh CM, Armstrong LE. Effect of a caffeinated carbohydrate-electrolyte fluid on cycling performance and leg maximal voluntary contraction. *Medicine & Science in Sport & Exercise*. 2007; 39(5): S89. June 2007, New Orleans, LA
- 6. Yeargin SW**, Casa DJ, Ganio MS, McDermott BP, Levreault ML, Decher NR, Casa TM, Blowers JA, and Glaviano, NR. Hydration knowledge and habits of youth soccer players and the influence of an educational intervention. *Medicine & Science in Sport & Exercise*. 2006; 38(6): S110. June 2006, Denver, CO.

5. Ganio MS, Casa DJ, **Yeargin SW**, McDermott BP, Levreault ML, Decher NR., Watson G, Casa TM, Huggins RA. Sweat rate, fluid consumption, and hydration indices for youth soccer players: effects of educational intervention. *Medicine and Science in Sports and Exercise*. 2006; 38(5): S110-S111. June 2006, Denver, CO.
4. **Yeargin SW**, Casa DJ, Decher NR, and O'Connor CB. Incidence and degree of dehydration and attitudes regarding hydration in children participating in summer football camps. *Medicine & Science in Sport & Exercise*. 2005; 37(5): S463. June 2005, Nashville, TN.
3. Decher NR, Casa DJ, **Yeargin SW** (presenter), Levreault ML, Cross CL, McCaffrey M, and Psathas E. Attitudes towards hydration and incidence of dehydration in youths at summer soccer camp. *Medicine & Science in Sport & Exercise*. 2005; 37(5): S463. June 2005, Nashville, TN.
2. Casa DJ, **Yeargin SW**, Decher NR, McCaffrey M, James CT. Incidence and degree of dehydration and attitudes regarding hydration in adolescents at summer football camp. *Medicine and Science in Sports and Exercise*. 37(5S):S463, 2005. June 2005, Nashville, TN.
1. **Walker SM**, Casa DJ, Leverault ML, Psathas E, Sparrow SL, and Decher NR. Children participating in summer camps are chronically dehydrated. *Medicine & Science in Sport & Exercise*. 2004; 36(5): S181. June 2004, Indianapolis, IN.

#### Invited Professional Conference Presentations

##### *National*

10. **Yeargin SW**. Clinical Guidelines for Hydration and Exertional Heat Illness Prevention in Young Athletes. Minicourse. Presented at National Athletic Trainer's Association Annual Clinical Symposia. June 2015, St. Louis MO.
9. **Yeargin SW**. Ice, Courts, Woods, and Pools- Got Hydration? Special Topics Seminar. Presented at the National Athletic Trainer's Association Annual Clinical Symposia. June 2014, Indianapolis, IN.
8. **Yeargin SW**. Communicating with Authors: Do's and Don'ts. Journal of Athletic Training Workshop. Presented at the National Athletic Trainer's Association Annual Clinical Symposia. June 2014, Indianapolis, IN.
7. **Yeargin SW**, Haggard C. Practical Return to Play Guidelines for Heat Stroke and Exertional Sickling. Evidence Based Forum. Presented at the National Athletic Trainer's Association Annual Clinical Symposia. 2013. Las Vegas, NV.
6. Kavourus S, Bergeron M, Casa D, **Yeargin SW**. Protecting our Youth: Heat Safety Challenges and Solutions During Sports. Symposium. Presented at the American College of Sports Medicine Annual Meeting. June 2012, San Francisco CA.
5. **Yeargin SW** and Casa DJ. Strategies on implementing appropriate temperature assessment methods in the collegiate and high school settings. Evidence Based Forum. Presented at the National Athletic Trainer's Association Annual Clinical Symposia. June 2009, San Antonio, TX.



**4. Yeargin SW.** Treatment of Heat Cramps. Presented at the American Heart Association/American Red Cross International First Aid Science Advisory Board Meeting in conjunction with the Emergency Cardiac Care Update Conference. June 2008, Las Vegas, NV

**3. Yeargin, SW.** Heat and Hydrations Issues in Children and Adolescents. Presented at the Athletic Business Conference (Part of National Alliance for Youth Sports continuing education and credential program). November 2006, Las Vegas, NV.

2. Mazerolle SM, **Yeargin SW**, Graham CO, Casa DJ. A capstone assessment course to evaluate cumulative learning. Presented at the NATA Educators Conference. January 2005, Houston TX.

**1. Walker SM.** Children participating in summer soccer camps are chronically dehydrated. Presented at the National Safe Kids Campaign Convention. October 2003, Washington D.C.

#### *International*

**2. Yeargin SW** and Kavouras S. Treatment of Heat Stroke. Presented at the American Heart Association/American Red Cross International First Aid Science Advisory Board Meeting in conjunction with the Annual Meeting of the First Aid Education European Network. October 2008, Athens Greece

**1. Walker SM** and Walters S. Basics of Athletic Training. July 2002. University of Florida Exercise Science Graduate Student Exchange Program. Presented at the University of Darmstadt, Darmstadt Germany.

#### *Regional/Local*

**16. Yeargin SW.** Lightning Safety and Precaution in Sport Settings. June 2018. Greenville Hospital System Annual Athletic Trainer's Education Symposium. Greenville, SC (Invited)

**15. Yeargin SW.** Preseason Checklist for Exertional Heat Illnesses. June 2018. Palmetto Health-USC Annual Athletic Trainer's Education Symposium. Columbia, SC (Invited)

**14. Yeargin SW.** Treatments for Exertional Heat Stroke in the Field Setting. April 2018. South Carolina Medical Association Annual Conference. Greenville, SC. (Invited Lecture)

**13. Yeargin SW.** Practical Application of Rectal Thermometry in Clinical Settings. July 2017. South Carolina Athletic Trainer's Association. Columbia, SC. (Invited Hands-On Workshop)

**12. Yeargin SW.** Exertional Heat Illness Position Statement: A Tailored Review. July 2016. South Carolina Athletic Trainer's Association. Columbia, SC. (Invited Lecture. DHEC Sponsored)

**11. Yeargin SW.** How the Position Statement Process Works. Mid-Atlantic Athletic Trainers Conference. May 2015, Virginia Beach, VA.

10. Mench J, **Yeargin SW.** National youth football injury trends. Sports Management Institute for Athletic Directors in the State of South Carolina. December 2014, Myrtle Beach, SC.

**9. Yeargin SW.** Recognition of Exertional Heat Illness in Sports. Grand Rounds Sports Medicine Didactics. USC Family Medicine Center Sports Physician Fellows. 2014 and 2015

8. **Yeargin SW**, Minton DM, Torres-McGehee TM, Rosehart S, Paper S, Whittington E, Sutton K, Emerson CC Comparison of practice versus game hydration behaviors in collegiate women's soccer. MidAtlantic Athletic Trainer's Association Spring Conference. 2013, Greenville, SC
7. **Yeargin SW**. Heat Illness: Facts & Fictions. Indiana Athletic Trainer's Association Fall Conference. October 31<sup>st</sup>, 2011, Indianapolis, Indiana
6. **Yeargin SW**. Fundraising Ideas for Student Athletic Training Organizations. Indiana Athletic Trainer's association Fall Conference. October 31<sup>st</sup>, 2011, Indianapolis, Indiana
5. Bagley JR, Judelson DA, Spiering BA, Beam WC, Bartolini JA, Washburn BV, Carney KC, Muñoz CX, **Yeargin SW**, and Casa DJ. Validity of field expedient measurement devices to assess core body temperature in the cold. Mid West American College of Sports Medicine Fall Conference. October 30<sup>th</sup>, 2010, Indianapolis, Indiana
4. **Yeargin SW**. Hydration Tips for Youth. Fayette Elementary School. April 2009, West Terre Haute, Indiana
3. **Yeargin SW**. Optimizing hydration habits for youth athletes- practical strategies to enhance safety and performance. Mid West American College of Sports Medicine Fall Conference. October 24<sup>th</sup>, 2008, Bowling Green, Ohio
2. **Yeargin SW**. Exertional Heat Illness: Practical Recognition, Treatment, and Prevention Methods. Indianapolis Colts Football Medical Team. July 2007, 2008, Indianapolis, IN
1. **Yeargin SW**. Heat and Hydration Considerations for Athletic Trainers. Eastern Rehabilitation Network. July 2005, New Britain, CT.

Teaching Experience:

*University of South Carolina* (Fall 2012 to present, in numerical course order)

- ATEP 275 **Functional Anatomy**: Lecture focuses upon anatomy involved in functional life movements. A foundation of anatomy and how it relates to sports medicine is provided. Particular focus is given to the musculoskeletal system.
- ATEP 275L **Functional Anatomy Lab**: A laboratory focused upon anatomy involved in functional life movements. A foundation of anatomy and how it relates to sports medicine is provided. Particular focus is given to the musculoskeletal system.
- ATEP 350 **Upper Extremity Orthopedic Evaluation**: Lecture focuses upon the recognition of orthopedic injuries common in the upper extremity. Predisposing factors, mechanism of injury, recognition, and basic management are reviewed for each pathology. Additionally, a brief synopsis of research evidence for each diagnostic special test is presented.
- ATEP 497 **General Medical Concerns for Athletic Trainers**: Lecture and open discussion of general medical conditions commonly encountered by athletic trainers in a variety of settings. Focus is placed upon the recognition of conditions in physically active individuals. Immediate care and preventive measures of conditions are also covered.
- ATEP 733 **Evidence Based Practice in Medical Emergencies**: Open discussion of injuries and illness that commonly lead to medical emergencies in sport. Prevention, diagnosis, and immediate

treatment are covered for each condition. Additionally, particular focus upon research, media stories, myths, and policy responses surrounding medical emergencies are analyzed. (Previously PEDU 755S)

- PEDU 770 **Research Methods in Athletic Training:** Lecture and open discussion of quantitative and qualitative research, validity, reliability, ethics, literature review, research design, and building of a manuscript. The purpose is to provide graduate students in Athletic Training a foundation in which to prepare for the proposal, data collection, and defense of their thesis or scholarly project. Also to teach them to read, analyze, and critically critique research relevant to their professions.

*Indiana State University (Fall 2007 to 2012, in numerical course order)*

- ATTR 210 **Human Anatomy for Allied Health Professions:** Lecture focuses upon the anatomy of the human body. Detailed focus on the musculoskeletal, cardiovascular, respiratory, nervous, digestive, and renal systems. Applicability of anatomy to various health professions is covered. All College majors of Nursing, Exercise Science, Physical Education, Recreation Therapy, Health Promotion, and Athletic Training.
- ATTR 212 **Care and Prevention of Athletic Injuries:** Lecture and open discussion of injuries commonly encountered by athletic trainers in a variety of settings. Focus was placed upon the recognition of injuries in the periphery and the core of the body. Immediate care and preventive measures of injuries was covered.
- GH XXX **Sudden Death in Sport:** Lecture and open discussion of injuries and illness that commonly lead to sudden death in sport. Prevention, diagnosis, and immediate treatment are covered for each condition. Additionally, particular focus upon media stories, myths, and policy responses were analyzed.
- ATTR 660 **Environmental Illnesses:** Lecture and open discussion of exercise physiology and illnesses in a variety of environments. Environments such as heat, cold, altitude, and hyperbaria are covered. Prevention, diagnosis, and immediate treatment are covered for each illness. Additionally, media stories, myths, and policy responses surrounding each illness are analyzed.
- ATTR 661 **Advanced Lower Extremity Evaluation and Diagnostics:** Lecture and open discussion of evaluative techniques in assessing lower extremity pathologies. A focus of recent research on evaluative techniques was used.
- ATTR 662 **Evidence Based Diagnosis:** Open discussion of preventative, evaluative, and diagnostic techniques of lower extremity, spine, upper extremity, and head pathologies. All discussion centers on original research chosen and lead by either the instructor or the student. New techniques are practiced and discussion of implementation follows.
- ATTR 686 **Advanced Functional Human Anatomy:** Instruction of human anatomy using lecture and cross sectional pictures. Focus was placed on anatomy relevant to providing health care services to individuals. The purpose of the course was to provide students with in-depth knowledge of anatomy related to their profession.
- ATTR 686L **Advanced Functional Human Anatomy Lab:** In conjunction with the lecture, the lab used cadaver specimens to teach human anatomy. Focus was placed upon athletic training and strength and conditioning clinical anatomy applications.
- ATTR 691 and PASS 635 **Research Methods in Applied Medicine and Rehabilitation:** Lecture and open discussion of quantitative and qualitative research, validity, reliability, ethics, literature review, research design, and building of a manuscript. The purpose is to provide graduate students from a variety health care professions (Athletic Training, Physician Assistant) a foundation in which to prepare for the proposal, data collection, and defense of their thesis or scholarly project. Also to allow them to read, analyze, and critically critique research relevant to their professions while learning to appreciate inter-professional education and research.

*University of Connecticut (Fall 2003 to Spring 2007)*

- EKIN 246 **Athletic Training Anatomy**: Lecture and laboratory components covering musculoskeletal structures and its relation to injuries and common disorders.
- EKIN 299 **Athletic Training National Examination Preparation**: Guidance in reviewing domain content for the national certification examination and instruction and practice of the examination format.
- EKIN 252 **Assessment Laboratory**: Advanced application of evaluation and treatment procedures of specific body regions.
- EKIN 250 **Taping and Bracing Laboratory**: Basic application of emergency procedures, athletic training procedures, and taping/ bracing/ wound care procedures.
- EKIN 251 **Rehabilitation and Modalities Laboratory**: Basic application of rehabilitation components in athletic training and development of decision-making processes and usage of modality plans.
- EKIN 234 **Rehabilitation of Musculoskeletal Injuries**: Lecture based focus upon the basics of the creation and progression of rehabilitation programs as well as covering specific sections of the body.

Service

*University*

- University of South Carolina
  - Institutional Review Board; 2016-Present
    - Co-Chair 2018-Present
  - Russel House Advisory Board; 2017-2018
  - Graduate Council; 2014 to 2017
  - ASPIRE Grant Track II Reviewer; 2015 and 2016
  - Faculty Senate; 2013-2015
  - Graduate School Science, Math, and Related Professional Programs Committee; 2013 to present
  - University Student Organization Faculty Advisor; 2013 to present
- Indiana State University
  - Graduate Council; 2011-2013
  - University Athletics Committee; 2010-2013
  - Library Allocation Task Force; 2010- 2011
  - College of Graduate and Professional Studies, Assistantship/Fellowship Sub-Committee; 2010- 2011
  - University First Year Experience Advisory Committee; 2009

*College*

- University of South Carolina
  - Tenure and Promotion Committee; 2018-Present
- Indiana State University: College of Human and Health Performance
  - Executive Committee; 2011
  - Assessment Council; 2009-2012
  - Curriculum and Academic Affairs Committee; 2009-2011
  - Building Prospectus Planning Member; 2008

### *Department*

- University of South Carolina: Department of Exercise Science
  - PhD Curricular Committee 2018-Present
  - Faculty Senator; 2017-2018
- University of South Carolina: Department of Physical Education and Athletic Training
  - Annual Review Document Revision Committee; 2014
  - Assistant Professor of Athletic Training Search Committee; 2012-2013, 2014-2015
  - Clinical Instructor of Athletic Training Search Committee; 2012-2013, 2013-2014
- Indiana State University: Department of Applied Medicine and Rehabilitation
  - Department Graduate Program Admissions Committee (Chair); 2008 to 2012
  - Department Anatomy Committee, 2010 to 2012
  - Department Inter-Professional Subcommittee Member; 2011 to 2012
  - Department Clinical Coordination Sub-committee Member (Chair); 2010 to 2012
  - Department Research Sub-committee Member; 2010-2011
  - Occupational Therapy Program Director Search Committee; 2011
  - Physical Therapy Clinical Coordinator Assistant Professor Search Committee; 2011
  - Physician Assistant Studies Assistant Professor Search Committee Chair; 2010
  - Anatomist Assistant Professor Search Committee Chair; 2010
  - Department Undergraduate Program Admissions Committee; 2008-2009
  - Department Chair of Athletic Training Search Committee; 2008
  - Assistant Professor of Athletic Training Search Committee; 2007, 2008
  - Student Learning Outcomes Assessment Committee; 2008- 2008

### *Professional*

- National Athletic Trainers Association Research Committee, 2017-2023
- National Athletic Trainers Association Pronouncements Committee, 2011-2018
- Korey Stringer Institute Medical and Science Advisory Board, 2010-present
- Expert Panel for MomsTeam Institute, 2009 to present
- Official liaison for the NATA and the American Red Cross. 2009-2012
- NATA Research and Education Foundation Free Communications Committee, 2007-2012
- Representative of the NATA on the Inter-Association Task Force to develop “Guidelines for pre-season high school football practices”. 2008
- Representative the NATA on the American Heart Association and American Red Cross/Red Crescent International First Aid Science Advisory Board. 2007-2010.
- *Journal of Athletic Training* Editorial Board, 2010 to present
- Journal Reviewer
  - *Journal of Athletic Training* Manuscript Reviewer, 2004 to present
  - *Medicine and Science in Exercise and Sport* Manuscript Guest Reviewer
  - *Journal of Sport Rehabilitation* Manuscript Guest Reviewer
  - *Journal of Strength and Conditioning* Research Manuscript Guest Reviewer
  - *European Journal of Applied Physiology* Manuscript Guest Reviewer
  - National Athletic Trainer Association Research and Education Foundation, Guest Grant Reviewer

## Recognition and Honors

- Community Partnership Award: South Carolina Recreation Commissions. 2014.
- NATA Research and Education Foundation 2010 Doctoral Dissertation Award Nominee
- Indiana State University's First Year Initiative Outstanding Instruction Award 2008
- University of Connecticut: Kinesiology doctoral program ranked No. 1 by American Academy of Kinesiology and Physical Education
- University of Connecticut Douglas J. Casa Student Athletic Trainer Research Award 2007
- University of Connecticut Department of Kinesiology 2006-2007 Pre-doctoral Fellowship
- New England ACSM David N. Camaione 2007 Doctoral Scholarship
- University of Connecticut Department of Kinesiology 2006-2007 Doctoral Dissertation Award
- NATA Research and Education Foundation 2005-2006 Doctoral Scholarship
- CATA Graduate Student 2005-2006 Scholarship

## Related Athletic Training Clinical Experience

- Marine Corps Marathon: Certified Athletic Trainer volunteer 2005 and 2016
- Columbia SC Marathon: Certified Athletic Trainer, volunteer 2013, 2014 Finish line Medical Tent
- Indiana Intercollegiate State Cross Country Meet: Certified Athletic Trainer, volunteer 2009, Medical Tent Supervisor
- Indiana State University Missouri Valley Conference Outdoor Track and Field Championships: Certified Athletic Trainer, volunteer 2009, Medical Tent
- Indiana State University Pre Participation Physicals: Certified Athletic Trainer, volunteer 2007-2010
- NCAA Cross Country Division I Championships: Certified Athletic Trainer, volunteer 2007, 2008, 2010, 2011, Medical Tent Supervisor
- NCAA Cross Country Pre-National Meet: Certified Athletic Trainer volunteer, 2007 and 2010, Medical Tent
- University of Connecticut: Certified Athletic Trainer 2005, Football preseason
- University of Connecticut: Certified Athletic Trainer 2006, Men's soccer preseason
- Pomfret Preparatory School: Certified Athletic Trainer 2003-2005, Football, Ice Hockey, Handball, per diem
- Boston Marathon Medical: Certified Athletic Trainer volunteer 2004 to 2007

## Memberships and Certifications

- Member of National Athletic Trainer's Association, 1999 to present
  - Member of MidAtlantic Athletic Trainer's Association, 2013 to present
  - Member of Greater Lakes Athletic Trainer's Association, 2008 to 2012
  - Member of Indiana Athletic Trainer's Association, 2008 to 2012
  - Member of Connecticut Athletic Trainer's Association, 2003 to 2007
  - Member of Eastern Athletic Trainer's Association, 2003 to 2007
  - Member of SouthEastern Athletic Trainer's Association, 2001-2003
- Member of American College of Sports Medicine, 2004 to 2012, 2015 to present
  - Member of the Southeast American College of Sports Medicine, 2015-2016
  - Member of Mid West American College of Sports Medicine, 2008 to 2012
  - Member of New England American College of Sports Medicine, 2004 to 2007

- Certifications:
  - Athletic Training Board of Certification- Certified Athletic Trainer, 2001 to present: #060102329
  - Wilderness First Responder, 2008-2011
  - Massage Therapist, 2002 to 2006
  - Approved Clinical Instructor, 2001 to present
  - American Red Cross Professional Rescuer, 1999 to present
- Licensure and State Certification:
  - South Carolina, 2012 to present
  - Indiana, 2007 to 2012: #36001433A
  - Connecticut, 2006-2007
  - Florida, 2001-2003

### Media Communications

#### *Heat and Hydration Issues of Children and Adolescents*

- TV interviews: FOX Columbia News (2016), ABC Columbia News (2016), CBS Columbia News (2016), Weather Channel (2014), WIS Columbia News (2012, 2013), WTWO Terre Haute News (2011), Indianapolis News- WTHI TV (2010), WISH TV(2009), Terre Haute NBC (2009), Indianapolis Fox and CBS stations(2005), Miami “No Place Like Home” Parenting Segment by TriCom Pictures (2005)
- Radio Interview: KCSN (Northridge, CA) (2005), South Carolina Public Radio Network (2017)
- Newspaper interviews: The State (2016), Orange County Register (2011), Louisville Courier Journal (2009), Associated Press, Washington Post, NY Daily News, NY Newsday, Tampa Tribune, Reuters Health, Indianapolis Star, Modesto Bee (2004-2007)
- Magazine Interviews: Outside (2014), Runner’s World (2014), Men’s Health Magazine (2009), Prevention Magazine (2006), and Chicago Outdoors (2005)
- Book Interview: Hot Yoga (2011)