

DAWN M. EMERSON, PHD, ATC

University of Kansas
Department of Health, Sport, and Exercise Sciences
Robinson Health and Physical Education Center, Room 101E
Lawrence, Kansas 66045

Office: 785-864-0709

Email: dawn.emerson@ku.edu

EDUCATION

DOCTOR OF PHILOSOPHY

May 2016

University of South Carolina, Columbia, SC

Arnold School of Public Health, Department of Exercise Science

Major: Exercise Science – Applied Physiology

Research Focus: Thermoregulation, fluid and electrolyte balance

Dissertation: Naproxen on core temperature, gastrointestinal distress, hydration, and performance during cycling in the heat

MASTER OF SCIENCE

December 2009

University of South Carolina, Columbia, SC

College of Education, Department of Physical Education and Athletic Training

Major: Physical Education – Athletic Training

Master Thesis: The relationship between sodium concentrations and common clinical hydration measures during exercise

GRADUATE STUDIES

July 2006 – May 2007

Florida International University, Miami, FL

Transferred to University of South Carolina due to resignation of athletic training graduate program director

BACHELOR OF SCIENCE

May 2006

The University of Alabama, Tuscaloosa, AL

Major: Athletic Training (CAATE Accredited Athletic Training Program)

Senior Writing Project: Ice hockey player knowledge of concussions

ACADEMIC OR PROFESSIONAL POSITIONS

ASSISTANT PROFESSOR, CLINICAL EDUCATION COORDINATOR - ATHLETIC TRAINING

August 2015 – Present

University of Kansas, Lawrence, KS

INTERIM GRADUATE ATHLETIC TRAINING PROGRAM CLINICAL COORDINATOR

August 2014 – May 2015

University of South Carolina, Columbia, SC

CLINICAL INSTRUCTOR - ATHLETIC TRAINING

August 2013 – May 2015

University of South Carolina, Columbia, SC

DOCTORAL TEACHING AND RESEARCH ASSISTANT - ATHLETIC TRAINING

August 2009 – August 2013

University of South Carolina, Columbia, SC

GRADUATE ASSISTANT ATHLETIC TRAINER

August 2007 – May 2010

University of South Carolina, Columbia, SC

GRADUATE ASSISTANT ATHLETIC TRAINER

July 2006 – May 2007

Florida International University, Miami, FL

SCHOLARSHIP

Note: Underline = Student whom I mentored

MANUSCRIPTS (PEER-REVIEWED ORIGINAL RESEARCH PUBLICATIONS)

- **Minton DM**, O'Neal EK, Torres-McGehee TM. Agreement of urine specific gravity measurements between digital and manual refractometers. *J Athl Train*. 2015;50(1):59-64.
- Saxena A, **Minton DM**, Lee DC, Sui X, Fayad R, Lavie C, Blair S. Protective role of resting heart rate on all-cause and cardiovascular disease mortality. *Mayo Clinic Proceedings*. 2013;88(12):1420-1426.
- Torres-McGehee TM, Pritchett KL, **Minton DM**, Zippel D, Sibila M, Cellamare A. Sport nutrition knowledge of collegiate athletes, coaches, athletic trainers, and strength and conditioning specialists. *J Athl Train*. 2012;47(2):210-216.
- Torres-McGehee TM, Monsma EV, Gay J, **Minton DM**. Prevalence of eating disorder risk and body image distortion among NCAA Division I varsity equestrian athletes. *J Athl Train*. 2011;46(4):431-437.
- Eberman LE, **Minton DM**, Cleary MA. Comparison of refractometry, urine color, and urine reagent strips to urine osmolality for measurement of urinary concentration. *Athl Train Sports Health Care*. 2009;1:267-271.

BOOK CHAPTERS

- **Emerson DM**. What is hyponatremia, and how can it be prevented, diagnosed and treated? In: Lopez RM, ed. *Quick Questions in Heat-Related Illness and Hydration: Expert Advice in Sports Medicine*. Thorofare, NJ: SLACK, Inc.; 2015:189-194.
- **Emerson DM**. Is it possible for an athlete to become overhydrated, and does this help or hinder the athlete? In: Lopez RM, ed. *Quick Questions in Heat-Related Illness and Hydration: Expert Advice in Sports Medicine*. Thorofare, NJ: SLACK, Inc.; 2015:183-187.

NON-PEER REVIEWED PUBLICATIONS

- **Minton DM**, Eberman LE. Best practice for clinical hydration measurement. *Athl Ther Today*. 2009;14;9-11.

MANUSCRIPTS IN PROGRESS

- **Emerson DM**, Emerson CC, Torres-McGehee TM, LaSalle TL. Individual fluid plans versus ad libitum on hydration status in minor professional ice hockey players.
- **Emerson DM**, Torres-McGehee TM, Chen SCL, Durstine JL, Davis JM, Pfeifer CE, Emerson CC, Stone IV, Bivona JD. Acute naproxen dose on hydration and electrolyte measures during moderate-intense exercise in the heat.
- **Emerson DM**, Davis JM, Chen SCL, Torres-McGehee TM, Durstine JL, Emerson CC, Pfeifer CE, Bivona JD, Stone IV. Acute naproxen dose on gastrointestinal distress and performance during cycling in the heat.
- **Emerson DM**, Davis JM, Torres-McGehee TM, Chen SCL, Durstine JL, Emerson CC, Pfeifer CE, Ramaboli M, Stone IV, Bivona JD. Naproxen effects on core temperature, gastrointestinal permeability, and inflammation during exercise in the heat.
- **Emerson DM**, Parnell B, Torres-McGehee TM, Chen, SCL. Effects of NSAIDs on core temperature in exercise humans: a systematic review.
- **Emerson DM**, Torres-McGehee TM, Anderson K, Yeargin SW. Collegiate ice hockey athletic trainers' current hydration practices and knowledge.
- **Emerson DM**, Torres-McGehee TM, Dolan K, Goins JM. Professional ice hockey athletic trainers' current hydration practices and knowledge.
- **Emerson DM**, Sharpe RL, Torres-McGehee TM, Dompier TP. Sodium supplementation on plasma sodium absorption in sodium depleted, euhydrated, resting individuals.
- **Emerson DM**, Torres-McGehee TM, Yeargin SW, Rosehart S. Hydration behaviors of a Division I female soccer team.
- Torres-McGehee TM, **Emerson DM**, Moore E, Boyton J, Rosehart S. Energy availability and hydration in Division I female soccer players.

- Yeargin SW, Dickinson JJ, **Emerson DM**, Koller JA, Torres-McGehee TM. Exertional heat illness risk factors and physiological responses of youth football players in age versus weight restricted leagues.
- Torres-McGehee TM, Monsma EV, **Emerson DM**, Albert D, Naumann G. Prevalence of eating disorder risk and body dissatisfaction among collegiate male swimmers and divers.
- Torres-McGehee TM, **Emerson DM**, Bell B, Glover S, Cable S. Prevalence of eating disorder risk and body dissatisfaction among Army Drill Sergeant Candidates.
- Torres-McGehee TM, **Emerson DM**, Bell B, Glover S, Cable S. Examination of depress, anxiety, and sleep among Army Drill Sergeant Candidates.
- Koller JA, Torres-McGehee TM, Dickinson JJ, **Emerson DM**, Yeargin SW. Hydration and nutrition behaviors in youth football players.
- Torres-McGehee TM, Monsma E, Gay J, **Emerson DM**. Prevalence of eating disorder risk among female track and field athletes.
- Torres-McGehee TM, Goins J, **Emerson DM**, Pritchett K, Neimela C. Examination of dietary intake and energy expenditure among female and male CrossFit athletes.
- Torres-McGehee TM, **Emerson DM**, Pritchett K, Shultz L. Examination of energy availability among female and male recreational athletes.
- Chen S, Torres-McGehee TM, **Emerson DM**, Zamora H, Morris S, Kopotic C, Lopez C. Effects of deep oscillation therapy on symptoms of delayed onset muscle soreness.
- Plumb M, Torres-McGehee TM, Logan T, **Emerson DM**. Examination of energy availability among collegiate volleyball players.
- Emerson CC, Torres-McGehee TM, **Emerson DM**, Stacy J. Uncompensable heat stress on physiological measures and termination of exercise.

GRANTS IN REVIEW

- Principal Investigator: Torres-McGehee TM
Co-Principal Investigator: Emerson DM
Breath analysis on hydration measures during exercise induced dehydration
Hygieia Hydration, LLC
Submitted: 02/2016
Proposed: 118,967.00
Proposed: \$60,645.00

RESEARCH FUNDED

- **Principal Investigator: Emerson DM**
Co-Investigator: Gallagher P
Examination of 100% orange juice on rehydration and recovery following repeated endurance exercise
State of Florida Department of Citrus: Contract #16-10
Dates: 07/1/2016 – 06/30/2017
Funded: \$84,570.00
- **Principal Investigator: Emerson DM**
Rehydration effects of three beverages
Bulletproof Digital, Inc
Submitted: 11/2015
Funded: \$2,677.00
- Principal Investigator: Torres-McGehee TM
Eating attitudes, behaviors, dietary habits, and mental health status that support long-term healthy weight and performance in basic training soldiers
Role: Co-Investigator
University of South Carolina, College of Education Incentive Grant
Submitted: 08/2013

Funded: \$12,000.00

- Undergraduate Student: Minberg D
Time to plasma sodium absorption of three beverages during exercise
Role: Co-Primary Investigator
University of South Carolina, Office of Undergraduate Research Grant
Submitted: 10/2012
Funded: \$2,400.00
- **Principal Investigator: Minton DM**
Naproxen on gut permeability during exercise in a thermal environment among Division I collegiate athletes
National Athletic Trainers' Association Research and Education Foundation Doctoral Research Grant
Submitted: 2/2012
Funded: \$2,500.00
- **Principal Investigator: Minton DM**
Naproxen on gut permeability during thermal stress in hydrated, exercising humans
American College of Sports Medicine Carl V. Gisolfi Memorial Research Fund
Submitted: 3/2012
Funded: \$4,935.00
- Undergraduate Student: Muldoon K
Prescription naproxen (non-steroidal anti-inflammatory drug) on gut permeability during exercise in Division I collegiate football and soccer players
Role: Co-Primary Investigator
University of South Carolina, Office of Undergraduate Research Grant
Submitted: 3/2012
Funded: \$2,500.00
- Undergraduate Student: Mulligan E and Winn V
Eating characteristics, female athlete triad, and the effects on fluid balance in collegiate dancers
Role: Co-Primary Investigator
University of South Carolina, Office of Undergraduate Research Grant
Submitted: 10/2011
Funded: \$4,500.00
- Undergraduate Student: Macklin M
Effects of deep oscillation therapy on delayed onset muscles soreness symptoms associated with eccentric exercise
Role: Co-Primary Investigator
University of South Carolina, Office of Undergraduate Research Grant
Submitted: 10/2011
Funded: \$2,500.00
- Principal Investigator: Glover SH
Soldier Health Promotion to Examine and Reduce Health Disparities (SHPERHD)
Funded: \$2,300,000.00
Role: Doctoral Research Assistant
Project 1-Year 3: The role of the social environment in shaping dietary habits that support long-term healthy weight
Department of Defense: Contract #22070-08-18881
Dates: 9/26/2010 – 09/25/2011
Funded: \$289,923.00
- **Co-Principal Investigator: Minton DM**
Co-Principal Investigator: Emerson CC
Effects of hyperthermia, fatigue, hypohydration, and sodium depletion on exercise associated muscle cramping
National Athletic Trainers' Association Research and Education Foundation Masters' Research Grant
Submitted: 3/31/2007

Funded: \$1,000.00

RESEARCH NOT FUNDED

- Principal Investigator: Glover SH
Soldier Health Promotion to Examine and Reduce Health Disparities (SHPERHD): Fort Jackson Identifying Health Barriers Project Phase 2
Role: Co-Investigator
Project 1: Dietary habits, mental health, and health disparities: an examination of Drill Sergeant Candidates in the United States Army
National Institute of Health R01
Submitted: 09/2014
Project 1 Proposed: \$40,336.25
- Undergraduate Student: Watson C
Examination of the athlete triad in Crossfit athletes
Role: Co-Primary Investigator
University of South Carolina, Office of Undergraduate Research Grant
Submitted: 10/2014
Proposed: \$2,500.00
- Principal Investigators: Torres-McGehee TM, Glover SH
Co-Investigator: Minton DM
Dietary habits, body composition, mental health, and health disparities: an examination of Soldiers during Basic Combat Training
University of South Carolina Office of the Provost ASPIRE II Grant
Submitted: Spring 2014
Proposed: \$99,030.00
- **Co-Principal Investigator: Minton DM**
Co-Principal Investigator: Torres-McGehee TM
Time to plasma sodium absorption of three fluids during exercise: effects of sodium depletion and dehydration
NFL Charities Grant
Submitted: Summer 2010
Proposed: \$11,670.00
- **Principal Investigator: Minton DM**
Time to plasma sodium absorption in exercising sodium depleted individuals
American College of Sports Medicine Doctoral Research Grants
Submitted: January 2011
Proposed: \$4,981.87
- Principal Investigator: Sharpe RL (Graduate Student)
Co-Investigator: Minton DM
Time to plasma sodium absorption of three beverages during exercise
National Athletic Trainers' Association Research and Education Foundation
Submitted: March 31, 2010
Proposed: \$971.49
- Principal Investigator: Torres-McGehee TM
Co-Principal Investigator: Minton DM
Effects of hyperthermia, fatigue, hypohydration, and sodium depletion on exercise associated muscle cramping
NFL Charities Grant
Submitted: Summer 2008
Proposed: \$125,000.00

PUBLISHED ABSTRACTS

- Dolan K, **Emerson DM**, Torres-McGehee TM, Goins, JM. Professional ice hockey athletic trainers' knowledge of hydration guidelines and implementation of practice. *J Athl Train.* 2016;51(6):S163. Presented at 67th NATA Annual Meeting & Clinical Symposia. June 2016.
- Yeargin SW, Eith JM, **Emerson DM**, Haggard CR. Certified athletic trainers' use of weight charts to measure hydration status. *J Athl Train.* 2016;51(6):S166. Presented at 67th NATA Annual Meeting & Clinical Symposia. June 2016.
- Eith JM, Yeargin SW, Haggard CR, **Emerson DM**. Current practices of certified athletic trainers concerning post practice fluid intervention strategies. *J Athl Train.* 2016;51(6):S109. Presented at 67th NATA Annual Meeting & Clinical Symposia. June 2016.
- Keretse EO, Torres-McGehee TM, **Emerson DM**, Monsma EV. Examination of depression, low self-esteem, and eating disorder risk in female collegiate track and field athletes. *J Athl Train.* 2016;51(6):S176. Presented at 67th NATA Annual Meeting & Clinical Symposia. June 2016.
- Hart CL, Torres-McGehee TM, **Emerson DM**, Monsma EV. Examination of depression, low self-esteem, and eating disorder risk among collegiate female and male swimmers and divers. *J Athl Train.* 2016;51(6):S263. Presented at 67th NATA Annual Meeting & Clinical Symposia. June 2016.
- Dodson K, Torres-McGehee TM, Kimmel M, **Emerson DM**. Examination of eating disorder risk among collegiate equestrian athletes. *J Athl Train.* 2016;51(6):S176. Presented at 67th NATA Annual Meeting & Clinical Symposia. June 2016.
- Torres-McGehee TM, Niemela C, Goins JM, **Emerson DM**. Examination of eating disorder risk, dietary intake, and body composition in CrossFit athletes. *Med Sci Sports Exerc.* 2016;48(5):S795. Presented at 63rd ACSM Annual Meeting – June 4, 2016.
- **Emerson DM**, Anderson KK, Yeargin SW, Torres-McGehee TM. Collegiate ice hockey athletic trainers' hydration practices and knowledge of fluid recommendations and factors influencing hydration. *J Athl Train.* 2015;50(6S):S173. Presented at 66th NATA Annual Meeting & Clinical Symposia. June 2015.
- Pfeifer CE, **Emerson DM**, Torres-McGehee TM, Chen S. Time to plasma sodium accumulation of two beverages and one gel supplement during exercise. *J Athl Train.* 2015;50(6):S94. Presented at 66th NATA Annual Meeting & Clinical Symposia. June 2015.
- Moore E, Torres-McGehee TM, **Emerson DM**, Boynton J, D'Agostino N, Rosehart S. Daily dietary intake and energy availability among Division I collegiate female soccer players. *Med Sci Sports Exerc.* 2015;47(5):S2. Presented at 62nd ACSM Annual Meeting - May 27, 2015.
- Plumb M, Torres-McGehee TM, **Emerson DM**, Logan T, Herod J. Dietary intake and energy availability among collegiate volleyball players. *Med Sci Sports Exerc.* 2015;47(5):S2-3. Presented at 62nd ACSM Annual Meeting - May 27, 2015.
- Torres-McGehee TM, Naumann G, **Emerson DM**, Olgetree-Cusaac K, Albert K. Eating disorder prevalence and body image in collegiate female and male swimmers and divers. *Med Sci Sports Exerc.* 2015;47(5):S504-505. Presented at 62nd ACSM Annual Meeting - May 28, 2015.
- **Minton DM**, Torres-McGehee TM, Cable S, Searson JR, Blake CE, Frongillo EA, Burke MP, Lenkerd A, Glover SH. Substance use and sleep quality among U.S. Army Drill Sergeant Candidates. *Med Sci Sports Exerc.* 2014;46(5):S393. Presented at 61st ACSM Annual Meeting - May 29, 2014.
- Torres-McGehee TM, **Emerson DM**, Searson JR, Cable S, Blake CE, Frongillo EA, Burke MP, Lenkerd A, Glover SH. Depression and anxiety risk among U.S. Army Drill Sergeant Candidates. *Med Sci Sports Exerc.* 2014;46(5):S219. Presented at 61st ACSM Annual Meeting - May 28, 2014.
- Koller JA, Dickinson JJ, Yeargin SW, **Emerson DM**, Torres-McGehee TM, Colson CG, Crips EM. Hydration and eating patterns in age and weight-restricted youth football players. *Med Sci Sports Exerc.* 2014;46(5):S482. Presented at 61st ACSM Annual Meeting - May 29, 2014.

- Dickinson JJ, Yeargin SW, Koller JA, Torres-McGehee TM, **Emerson DM**, Crips EM, Colson CC. Activity ratios and physiological responses of youth football players in warm environments. *Med Sci Sports Exerc.* 2014;46(5):S184. Presented at 61st ACSM Annual Meeting - May 28, 2014.
- **Minton DM**, Torres-McGehee TM, Yeargin SW, Rosehart S, Paper S, Whittington E, Sutton K. Hydration measures of division I collegiate female soccer goalkeepers and field players. *J Athl Train.* 2013;48:S22. Presented at the 64th NATA Annual Meeting & Clinical Symposia - June 2013.
- Yeargin SW, **Minton DM**, Torres-McGehee TM, Rosehart S, Paper S, Whittington E, Sutton K. Comparison of practice versus game hydration behaviors in collegiate women's soccer. *J Athl Train.* 2013;48:S21. Presented at 64th NATA Annual Meeting & Clinical Symposia - June 2013.
- Emerson CC, **Minton DM**, Torres-McGehee TM, Yeargin SW. Validity and reliability of two digital refractometers to a manual refractometer and urine color. *J Athl Train.* 2013;48:S23. Presented at 64th NATA Annual Meeting & Clinical Symposia - June 2013.
- **Minton DM**, Torres-McGehee TM, Blake CE, Frongillo EA, Burke MP, Lenkerd A, Cable S, Searson JR, Glover SH. Sport nutrition knowledge among U.S. Army Drill Sergeant Candidates. *Med Sci Sports Exerc.* 2013;45(5):S383. Presented at 60th ACSM Annual Meeting - May 31, 2013.
- Torres-McGehee TM, Blake CE, **Minton DM**, Frongillo EA, Burke MP, Lenkerd A, Cable S, Searson JR, Glover SH. Perceptions of body image and prevalence of disordered eating among U.S. Army Drill Sergeant Candidates. *Med Sci Sports Exerc.* 2013;45(5):S392. Presented at 60th ACSM Annual Meeting - May 31, 2013.
- Sharpe RL, **Minton DM**, Torres-McGehee TM, Dompier TP, Davis JM. Time to plasma sodium accumulation of three different beverages of varying sodium concentrations at rest. *Med Sci Sports Exerc.* 2012;44(5):S588. Presented at 59th ACSM Annual Meeting - June 1, 2012.
- Torres-McGehee TM, **Minton DM**, Albert D, Monsma EV, Searson JR. Prevalence of eating disorder risk and body image among collegiate male swimmers and divers. *Med Sci Sports Exerc.* 2012;44(5):S597. Presented at 59th ACSM Annual Meeting - June 1, 2012.
- Emerson CC, Torres-McGehee TM, **Minton DM**. Bioelectrical impedance analysis versus clinical hydration measures in minor professional ice hockey players. *J Athl Train.* 2011;46.3(5):S185. Presented at 62nd NATA Annual Meeting & Clinical Symposia - June 22, 2011.
- Martschinske JL, DeMartini JK, Casa DJ, Walz S, Jay O, Stearns RL, Lopez RM, McDermott BP, Pagnotta KD, **Minton DM**, Ganio MS, Coris E. Examining how hydration and intensity influence core body temperature in NCAA Division I elite football players during pre-season practices in the heat. *J Athl Train.* 2011;46:S75-S76. Presented at 62nd NATA Annual Meeting & Clinical Symposia - June 21, 2011.
- Torres-McGehee TM, Alvarado AB, **Minton DM**, Searson JR. Flying high, feeling low: disordered eating, depression, and self-esteem risk in collegiate cheerleaders. *Med Sci Sports Exerc.* 2011;43(5):S654. Presented at 58th ACSM Annual Meeting - June 4, 2011.
- **Minton DM**, Torres-McGehee TM, Emerson CC. Total body water via bioelectrical impedance analysis in relationship to plasma and urine sodium concentrations. *Med Sci Sports Exerc.* 2011;43(5):S468-469. Presented at 58th ACSM Annual Meeting - June 3, 2011.
- Torres-McGehee TM, Monsma EV, Washburn S, **Minton DM**, Searson JR. Prevalence of eating disorder risk and body image in NCAA collegiate cheerleaders. *Med Sci Sports Exerc.* 2010;42(5):S288-289. Presented at 57th ACSM Annual Meeting - June 2, 2010.
- Sharpe RL, Torres-McGehee TM, Monsma EV, **Minton DM**, Searson JR. Clothing-based and proxy-based body image among female adolescent athletes. *Med Sci Sports Exerc.* 2010;42(5):S398. Presented at 57th ACSM Annual Meeting - June 3, 2010.
- **Minton DM**, Torres-McGehee TM, Emerson CC, LaSalle TL. Chronic hypohydration in minor professional ice hockey players. *Med Sci Sports Exerc.* 2010;42(5):S453. Presented at 57th ACSM Annual Meeting - June 4, 2010.
- Goins JM, Torres-McGehee TM, **Minton DM**, Guy J, Searson JR. Bilateral recurring knee injury: high school football player. *Med Sci Sports Exerc.* 2010;42(5):S153. Presented at 57th ACSM Annual Meeting - June 3, 2010.

- Torres-McGehee TM, Monsma EV, Searson JR, **Minton DM**, Zachowitz K. Perceptions of body image and prevalence of disordered eating in collegiate female track and field athletes. *J Athl Train*. 2010;45(3):S76. Presented at *61st NATA Annual Meeting & Clinical Symposia* - June 23, 2010.
- **Minton DM**, Torres-McGehee TM, Emerson CC, Stacy J. The relationship between sodium concentrations and common clinical hydration measures during exercise. *J Athl Train*. 2010;45(3):S87. Presented at *61st NATA Annual Meeting & Clinical Symposia* - June 23, 2010.
- Emerson CC, Torres-McGehee TM, **Minton DM**, Stacy JJ. The effect of uncompensable heat stress on physiological measures and termination of exercise. *J Athl Train*. 2010;45(3):S35. Presented at *61st NATA Annual Meeting & Clinical Symposia* - June 24, 2010.
- Emerson CC, Torres-McGehee TM, **Minton DM**, Dompier TP, Monmsa EV. Actual, perceived and desired body image in female, adolescent student-athletes. *Med Sci Sports Exerc*. 2008;40(5):S442. Presented at *55th ACSM Annual Meeting* - May 30, 2008.
- **Minton DM**, Torres-McGehee TM, Emerson CC, Dompier TP, Monsma EV. Body image comparisons among sport types in high school female athletes. *Med Sci Sports Exerc*. 2008;40(5):S442. Presented at *55th ACSM Annual Meeting* - May 30, 2008.
- **Minton DM**, Eberman LE, Cleary MA, Emerson CC. Comparison of common field/clinical measures to standard laboratory measures of hydration status. *J Athl Train*. 2007;42:S60. Presented at *58th NATA Annual Meeting & Clinical Symposia* - June 2007.
- Emerson CC, Eberman LE, Cleary MA, **Minton DM**. Resolution of recurrent heat cramps in American football player. *J Athl Train*. 2007;42:S58. Presented at *58th NATA Annual Meeting & Clinical Symposia* - June 2007.
- Emerson CC, Eberman LE, Cleary MA, Frymyer JL, **Minton DM**. Football – heat illness. *Med Sci Sports Exerc*. 2007;39:S143-S144. Presented at *54th ACSM Annual Meeting* - May 2007.

NATIONAL PRESENTATIONS

- **Emerson DM**. Do non-steroidal anti-inflammatory drugs increase the risk for exertional heat illness? Special Topic Session to be presented at *66th NATA Annual Meeting & Clinical Symposia*. June 2015.
- Blake CE, Rosemond TN, Torres-McGehee TM, Frongillo A, Burke MP, Lenkerd A, **Minton DM**, Cable S, Glover SH. Drill Sergeant’ two contrasting approaches to “soldierization” and instilling healthy eating behaviors in Soldiers. *Experimental Biology 2013 Boston*. April 22, 2013.
- Torres-McGehee TM, Blake CE, Frongillo EA, Saunders R, Burke MP, **Minton DM**, Lenkerd A, Texeira A, Cable S, Glover SH. Developing a model to assess the role of the social environment in shaping dietary habits that support long-term healthy weight in soldiers. *Summit on the Science of Eliminating Health Disparities: Building a Healthier Society Integrating Science, Policy, and Practice*. Sponsored by the National Institute of Health. October 31, 2012.

REGIONAL PRESENTATIONS

- **Emerson DM**, Anderson KK, Yeargin SW, Torres-McGehee TM. Collegiate ice hockey athletic trainers’ hydration practices and knowledge of fluid recommendations and factors influencing hydration. *MAATA Annual Meeting & Symposium*. May 30, 2015.
- **Emerson DM**. Ethics in athletic training: knowing what right is and doing it. *MAATA Annual Meeting & Symposium*. May 29, 2015.
- Niemela C, Torres-McGehee TM, Goins J, **Emerson DM**. Energy availability in CrossFit athletes. *MAATA Annual Meeting & Symposium*. May 29, 2015.
- Morris R, Zamora H, Torres-McGehee TM, Chen S, **Emerson DM**. Effects of electrostatic therapy on symptoms associated with eccentric exercise-induced delayed onset muscle soreness. *MAATA Annual Meeting & Symposium*. May 29, 2015.
- Dodson K, Torres-McGehee TM, Pritchett K, Moore E, **Emerson DM**. Examination of eating disorder characteristics among equestrian athletes. *MAATA Annual Meeting & Symposium*. May 29, 2015

- **Minton DM**, Torres-McGehee TM, Goins JM. Reliability and validity of two digital refractometers to a clinical refractometer. *Southeastern ACSM Annual Meeting*. February 11, 2012.
- Muldoon K, Roberts J, Thomas K, Torres-McGehee TM, **Minton DM**, Rosehart S. Bilateral iliotibial band release surgery in a female soccer player: a case study. *SEATA Annual Student Symposium*. February 2012.

LOCAL PRESENTATIONS (*INVITED)

- **Emerson DM**. Hydration considerations in ice hockey. *Kansas Athletic Trainers' Society Annual Symposium*. Kansas State University, Manhattan, KS. November 13, 2016.
- ***Emerson DM**. Heat and hydration considerations for coaches. *Greenbush Southeast Kansas Education Service Center Fall Coaches Workshop*. Greenbush Eudora Resource Center, Eudora, KS. November 7, 2016.
- ***Emerson DM**. Environmental concerns in athletics. *Boston University Athletic Training Student Marathon Conference*. Boston, MA. April 17, 2016.
- Sedory EJ, ***Emerson DM**. Heat illness and prevention in tactical athletes. *United States Marine Corps, The Basic School*. Quantico, VA. 2012 - 2016.
- Sedory EJ, ***Emerson DM**. Heat illness and prevention in tactical athletes. *State Department Medic Refresher Course*. May 2015.
- **Emerson DM**. Young professional ethics. *SCATA College and University Fall Workshop*. Columbia, SC. November 4, 2014.
- **Emerson DM**. Ethics in athletic training. *University of South Carolina Athletic Training Graduate Student Orientation*. Columbia, SC. July 22, 2014.
- ***Emerson DM**, Yeargin SW. Developing heat, sickling, and hydration protocols at your clinical site. *University of South Carolina Athletic Training Graduate Student Orientation*. Columbia, SC. July 26, 2013; July 21, 2014.
- ***Minton DM**. Non-steroidal anti-inflammatory drugs on gut permeability during exercise. *University of South Carolina Athletic Training Graduate Student Orientation*. Columbia, SC. July 26, 2013.
- ***Minton DM**. Non-steroidal anti-inflammatory drugs and hyperthermia. *Boston University Athletic Training Student Marathon Conference*. Boston, MA. April 14, 2013.
- **Minton DM**. Non-steroidal anti-inflammatory drugs and hyperthermia. *SCATA College and University Workshop*. Columbia, SC. February 2013.
- ***Minton DM**. Clinical implications: developing individualized hydration protocols. *Boston University Athletic Training Student Marathon Conference*. Boston, MA. April 2012.
- **Minton DM**, Torres-McGehee TM. Body image comparisons among ethnic groups in adolescent female athletes. *Women's Health Research Forum*. University of South Carolina, Columbia, SC. November 2011.
- ***Minton DM**. Monitoring hydration status and clinical implications for the heat in South Carolina. *University of South Carolina Athletic Training Graduate Student Seminar*. Columbia, SC. July 2010, 2011, 2012.
- **Minton DM**, Eberman LE, Cleary MA, Emerson CC. Comparison of common field/clinical measures to standard laboratory measures of hydration status. *Florida International College of Education Student Symposium*. Florida International University, Miami, FL. Spring 2007.

MANUSCRIPT REVIEWER

- Journal of Athletic Training (2012-present)
- Journal of Sport Rehabilitation (2016-present)
- Military Medicine (2016-present)
- International Journal of Exercise Science (2010)

DOCTORAL STUDENT ADVISOR

- **Kelly M;** Department of Health, Sport, and Exercise Sciences
University of Kansas, Lawrence, KS
Fall 2016-present

MASTER STUDENT PROJECT COMMITTEE CHAIR

- **Dolan K;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2014-Spring 2016
Title: Professional ice hockey athletic trainers' current hydration practices and knowledge
- **Souvé K;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2014-Spring 2016
Title: Examination of performance measures in Division I collegiate football and female soccer
- **Parnell B;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2013-Spring 2016
Title: Naproxen on core temperature during exercise: systematic review
- **Pfeifer C;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2013-Spring 2014
Title: Time to plasma sodium absorption in sodium depleted individuals during exercise

MASTER STUDENT PROJECT COMMITTEE MEMBER

- **Gemignani D;** Department of Exercise Science
University of South Carolina, Columbia, SC
Fall 2016-Spring 2018
Title: Sodium supplementation in high school football teams
- **Reyes M;** Department of Exercise Science
University of South Carolina, Columbia, SC
Fall 2016-Spring 2018
Title: Hydration habits outside of athletic participation among high school athletes
- **Connel S;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2015-Spring 2017
Title: Examination of eating attitudes, behaviors, dietary habits, physical activity, and mental health status among college ROTC Cadets
- **Drenowatz C;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2015-Spring 2017
Title: Examination of energy availability in collegiate softball players
- **Kerteszes E;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2015-Spring 2017
Title: Examination of energy availability in collegiate classic ballet dancers
- **Kimmell M;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2014-Spring 2017
Title: Energy availability in Division I female equestrian athletes
- **Richards Z;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC

Fall 2015-Spring 2017

Title: Examination of energy availability in collegiate softball players

- **Wakefield G;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2015-Spring 2017
Title: Examination of energy availability, energy balance, and mental health among athletic trainers
- **Dodson K;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2014-Spring 2016
Title: Energy availability in Division I female equestrian athletes
- **Eith J;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2014-Spring 2016
Title: High school and collegiate athletic trainers' fluid rehydration protocols for dehydrated athletes
- **Gilchrist M;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2014-Spring 2016
Title: Muscle glycogen stores in Division I female equestrian athletes
- **Minori M;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2014-Spring 2016
Title: Energy availability in Division I female beach volleyball players
- **Ferland L;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2014-Spring 2015
Title: Prevalence of eating disorder risk and body image dissatisfaction pre- and post- training in ROTC
- **Jensen M;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2014-Spring 2015
Title: Prevalence of psychosocial disorders pre- and post- training in ROTC
- **Morris S;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2014-Spring 2015
Title: Deep oscillation therapy on swelling and muscle function following exercise-induced muscle damage
- **Niemela C;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2014-Spring 2015
Title: Disordered eating and energy availability in adult elite recreational athletes
- **Plumb M;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2014-Spring 2015
Title: Dietary intake and energy availability among female collegiate volleyball players
- **Schultz L;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2014-Spring 2015
Title: Disordered eating and energy availability among adult non-elite recreational athletes
- **Zamora H;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2014-Spring 2015

- Title:** Deep oscillation therapy on pain following exercise-induced muscle damage
- **Anderson K;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2012-Spring 2014
Title: Collegiate ice hockey athletic trainers' current hydration knowledge and practices
 - **Dickinson J;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2012-Spring 2014
Title: Risk factors for exertional heat illness in youth football: work-rest ratio, environment, and equipment
 - **Gage J;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2012-Spring 2014
Title: Examination of disordered eating and female athlete triad components among professional and collegiate dancers
 - **Koller J;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2012-Spring 2014
Title: Risk factors for exertional heat illness in youth football: diet, hydration status, and weight cutting
 - **Kopotic C;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2012-Spring 2014
Title: Deep oscillation therapy on pain and muscle strength following exercise-induced muscle damage
 - **Lopez C;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2012-Spring 2014
Title: Deep oscillation therapy on swelling and range of motion following exercise-induced muscle damage
 - **Paper S;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2011-Spring 2013
Title: Prevalence of female athlete triad syndrome in collegiate female soccer players
 - **Sutton K;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2011-Spring 2013
Title: Examination of energy availability and resting metabolic rates in female collegiate soccer players
 - **Whittington E;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2011-Spring 2013
Title: Hydration status and energy availability in collegiate female soccer players
 - **Fuemmeler S;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2011-Spring 2012
Title: Deep oscillation therapy on pain related variables associated with delayed onset muscle soreness
 - **Shedd G;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2011-Spring 2012
Title: Deep oscillation therapy on strength in muscles induced with delayed onset muscle soreness
 - **Simone E;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Spring 2011-Spring 2012

Title: Deep oscillation therapy on inflammation and joint stiffness associated with delayed onset muscle soreness

- **McAdams D;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2010-Spring 2011
Title: Does keeping a food journal make athletes more cognizant of hydration levels
- **Woolf J;** Department of Physical Education and Athletic Training
University of South Carolina, Columbia, SC
Fall 2010-Spring 2011
Title: Hydration status and energy availability in high school wrestlers
- **Ichiyanagi T;** Department of Physical Education and Athletic Training,
University of South Carolina, Columbia, SC
Fall 2009-Spring 2010
Title: Effect of hydration status on hand reaction time

UNDERGRADUATE STUDENT RESEARCH MENTOR

- **Barnes E;** Department of Health, Sport, and Exercise Sciences
University of Kansas, Lawrence, KS
Fall 2016-present
Examination of 100% orange juice on plasma electrolyte concentration and rehydration following repeated endurance cycling exercise
University of Kansas Center for Undergraduate Research
Undergraduate Research Award 12/2016

COURSES INSTRUCTED

UNIVERSITY OF KANSAS

- Introduction to Athletic Training – HSES 250 (Fall 2016)
- Undergraduate Research in Health, Sport, and Exercise Sciences – HSES 475 (Spring 2016, 2017; Fall 2016)
- Athletic Training Practicum VI – HSES 464 (Spring 2017)
- Senior Capstone in Athletic Training – HSES 463 (Spring 2016, 2017)
- Therapeutic Modalities - HSES 352 (Fall 2015)
- General Medical/Pharmacology – HSES 458 (Fall 2015)

UNIVERSITY OF SOUTH CAROLINA

- Athletic Training Lab - ATEP 266L (Spring 2010)
- Athletic Training Clinical Experience I - ATEP 292 (Fall 2009)
- Evaluation of Injuries I Lab - ATEP 348L (Fall 2009)
- Evaluation of Injuries II - ATEP 349 (Spring 2011, 2013-2015)
- Evaluation of Injuries II Lab - ATEP 349L (Spring 2011, 2013-2015)
- Evaluation of Injuries III - ATEP 350 (Spring 2010, 2011)
- Evaluation of Injuries III Lab - ATEP 350L (Spring 2011, Fall 2012)
- Pharmacology and Drug Education for Athletic Trainers - ATEP 365 (Fall 2013, 2014)
- Therapeutic Modalities - ATEP 366 (Fall 2010, 2011, 2013)
- Therapeutic Modalities Lab - ATEP 366L (Fall 2009-2011, 2013)
- Rehabilitation Lab - ATEP 466L (Spring 2015)

- Athletic Training Clinical Experience V - ATEP 492 (Fall 2014)

FLORIDA INTERNATIONAL UNIVERSITY

- Functional Human Anatomy for the Exercise and Sport Sciences - PET 3325 (Spring 2007)
- Athletic Injuries for Non-Majors - PET 4622 (Spring 2007)

PROFESSIONAL SERVICES

RELATED CLINICAL EXPERIENCES

- **Boston Athletic Association Marathon**, *Boston, MA*
April 2007, 2009, 2011-2016
Co-Captain Heat Deck 2011-2016
- **Boston Athletic Association 5K/1 Mile**, *Boston, MA*
April 2011-2015
- **South Carolina State University Football**, *Orangeburg, SC*
Fall 2014
- **Providence Athletic Club Football**, *Columbia, SC*
Fall 2012, 2013
- **Airport High School Wrestling Tournament**, *West Columbia, SC*
December 2012
- **South Carolina United Fall Soccer Cup**, *Columbia, SC*
September 2011
- **Columbia Inferno (East Coast Hockey League)**, *Columbia, SC*
January 2008 – April 2008
- **Ball4Real**, *Columbia, SC*
July 2007
- **Rising Stars Softball Tournament**, *Ft. Lauderdale, FL*
July 2006, November 2006, January 2007

NATIONAL SERVICE

- Moderator, NATA Annual Meeting & Clinical Symposium – Energy Drinks or Caffeine Ingestion, Appropriate for Adolescent? (2016)
- Moderator, NATA Annual Meeting & Clinical Symposium – Clinical Guidelines for Hydration Prevention in Young Athletes (2015)
- Moderator, NATA Athletic Training Educators' Conference – Pedagogy Involved in Teaching Large Inter-professional Classes: Strategies, Assessment and the Inevitable Evolution (2015)
- Volunteer, NATA Convention Review Committee - Annual Meeting Proposal Review (2011, 2014)
- Contributor, Student Athlete 2Day – Hydration and Thermoregulation (2012-2013)
- Volunteer, NATA Young Professionals' Committee Community Service Project (2011-2013)
- Moderator, NATA Athletic Training Educators' Conference – Teaching Beyond the Lecture: Two Pedagogical Strategies to Enhance Critical Thinking (2013)
- Moderator, NATA Annual Meeting & Clinical Symposia – Talk Baseball with PBATS (2012)
- Moderator, NATA Annual Meeting & Clinical Symposia – Unique Injuries in Women's Sports (2010)

REGIONAL SERVICE

- Co-Organizer, MAATA Annual Meeting & Symposium – I’ve Been in School This Long, Now What – Job Application Workshop (2015)
- Participant, MAATA Annual Meeting & Symposium – From student to YP to seasoned AT: being the interviewee to becoming the interviewer. (2014)
- Moderator, MAATA Annual Meeting & Symposium - Your Issues, Your Concerns: Making the Best of Your Young Professional Years (2013)
- Participant, MAATA Annual Meeting & Symposium Student Educational Program –Young Professionals Spotlight: Q&A Panel. (2013)
- Volunteer, SEATA Annual Student Symposium Lab Assistant (2012, 2013)
- Volunteer, SEATA Annual Student Symposium Abstract Reviewer (2012)

LOCAL SERVICE

- Ambassador, District 5, NATA Research and Education Foundation (2016-present)
- Guest Lecturer, Thermoregulation and exercise in the heat. *HSES 810 - Advanced Exercise Physiology*. University of Kansas, Lawrence KS (2016)
- Medical Coordinator, Western Athletic Conference Outdoor Track and Field Championship (2016)
- Guest Lecturer, Calculating statistical power. *PEDU 770 - Research Methods in Physical Education and Athletic Training*. University of South Carolina, Columbia, SC (2014)
- Co-Organizer, Young Professionals’ Committee South Carolina College and University Senior Athletic Training Student Fall Workshop (2014)
- Participant, SCATA College and University Workshop – Young Professionals’ Committee: from student to professional. Columbia, SC (2011, 2012, 2014)
- Volunteer, SCATA College and University Workshop (2011-2013)
- Volunteer, University of South Carolina Athletic Training Program - Introduction to Athletic Training for USC Upward Bound Students – Funded by the NATA Ethnic Diversity Advisory Council (2013)
- Volunteer, SCATA High School Workshop (2013)
- Guest Lecturer, Monitoring hydration status in athletes: clinical measurements. *Sports Medicine II*. Airport High School, West Columbia, SC (2012)
- Guest Lecturer, Rehabilitation and reconditioning: incorporating the strength and conditioning coach. *EXSC 541- Physiological Basis for Strength and Conditioning*. University of South Carolina, Columbia, SC (2012)
- Guest Lecturer, Developing an exercise program for diabetic patients. *University of South Carolina School of Pharmacy*. Columbia, SC (2010, 2011)

UNIVERSITY SERVICE

- Member, University of Kansas School of Education Technology Advisory Council (2016-present)

PROFESSIONAL ORGANIZATIONS

- National Athletic Trainers’ Association (#994820) (2003-present)
- American College of Sports Medicine (#635689) (2010-present)
- Mid-America Athletic Trainers’ Association (2015-present)
- Kansas Athletic Trainers’ Association (2015-present)
- Kansas City Athletic Trainers’ Society (2015-present)
- Mid-Atlantic Athletic Trainers’ Association (2007-2015)
- National Athletic Trainers’ Association Young Professionals’ Committee (2012-2015)

- Mid-Atlantic Athletic Trainers' Association Young Professionals' Committee (2010-2015)
 - Chair (June 2012-June 2015)
 - South Carolina State Representative (August 2010-June 2012)
- South Carolina Athletic Trainers' Association (2007-2015)
- Southeast Chapter –American College of Sports Medicine (2010-2015)
- Southeastern Athletic Trainers' Association (2006-2007)

NATIONAL PROFESSIONAL MEETINGS

- NATA Annual Meeting & Clinical Symposium (2007-2016)
- ACSM Annual Meeting (2008-2014, 2016)
- NATA Athletic Training Educators' Conference (2011, 2013, 2015)
- NATA Joint Committee Meeting (2014, 2015)
- NATA State Leadership Forum (2014)
- NATA Clinical Instructor Educator Seminar (2010)

REGIONAL PROFESSIONAL MEETINGS

- MAATA Annual Meeting & Clinical Symposium (2012-2015)
- SEATA Annual Student Conference (2012, 2013)
- SEACSM Annual Conference (2012)
- SEATA Annual Meeting (2007)

LOCAL PROFESSIONAL MEETINGS

- KCATS (2015-present)
- KATS Annual Symposium (2016)
- SCATA Annual Meeting & Clinical Symposium (2009, 2011, 2013, 2014)

OTHER PROFESSIONAL DEVELOPMENT

- StarTRACKS - NATA Leadership Development Program (2014-present)

LICENSES AND CERTIFICATIONS

- Board of Certification #070602075 (2006-present)
- National Provider Identifier #1194909473
- American Red Cross CPR/AED for Professional Rescuer and Healthcare Provider (2010-present)
- National Institutes of Health Human Subjects Protection (2005-present)
- South Carolina Athletic Trainer Certified #907 (2007-2015)
- NATA Clinical Instructor Educator (2010)
- Graston® Technique, Module I (2009)

HONORS AND AWARDS

- South Carolina Athletic Training Students' Association Voted Instructor of the Year (2010, 2011, 2013)
- NATA Research and Education Foundation Doctoral Scholarship (2012)
- University of South Carolina George M. Reeves Graduate School Trustee Fellowship (2011)
- South Carolina Athletic Training Students' Association Voted Outstanding Second Year Graduate Assistant (2009)
- NATA Research and Education Foundation Masters' Scholarship (2008)

- American Sports Medicine Institute Athletic Trainer Scholarship Award (2005)
- SEATA Undergraduate National Academy of Sports Medicine Scholarship (2005)