

**U.S ARMY MEDICAL DEPARTMENT CENTER & SCHOOL  
U.S. HEALTH READINESS CENTER OF EXCELLENCE  
(AMEDDC&S HRCoE)  
B CO, 187<sup>TH</sup> MEDICAL BATTALION,  
MEDICAL PROFESSIONAL TRAINING BRIGADE**

**GRADUATE SCHOOL SCHOLARLY ACTIVITY REPORT  
FY17**

December 2017

1. The following is a summary report of all scholarly activity produced by the graduate faculty from the AMEDDC&S HRCoE Graduate School:

- a. Publications (Journals/Book Chapters): 93
- b. Published Abstracts: 34
- c. Platform Presentations: 68
- d. Poster Presentations: 114
- e. Grant Funding Awarded: \$ 7,450,227
- f. Invited Lectures: 175
- g. Academic/Research Awards: 30

2. This report covers both the on-campus programs and hospital-based programs.

3. The following pages provide details for the summary report by program.

4. Point of contact for the FY17 Scholarly Activity Report is COL Scott W. Shaffer at [usarmy.jbsa.medcom-ameddcs.other.graduate-school@mail.mil](mailto:usarmy.jbsa.medcom-ameddcs.other.graduate-school@mail.mil).

## I. US Army Graduate Program in Anesthesia Nursing (USAGPAN)

### A. Publications:

1. Wilson J, Passmore A, Leger S, Lannan J, Bentley M, Johnson D. Effects of Tibial Intraosseous and Intravenous Administration of Hextend on Time of Administration and Hemodynamics in a Hypovolemic Swine Model, 193-201, American Journal of Disaster Medicine, Volume 11, Number 3, February 2017.
2. Blouin D, Gegel B, Johnson D, Garcia-Blanco J. Effects of Intravenous, Sternal, and Humerus Intraosseous Administration of Hextend on Time of Administration and Hemodynamics in a Hypovolemic Swine Model, 183-192, American Journal of Disaster Medicine, Volume 11, Number 3, February 2017.
3. Vallier D, Torrence A, Stevens R, Arcinue PN, Johnson D. The Effects of Sternal and Intravenous Vasopressin Administration on Pharmacokinetics, 203-209, American Journal of Disaster Medicine, Volume 11, Number 3, February 2017.
4. Adams T, Blouin D, Johnson D. Effects of Tibial and Humerus Intraosseous and Intravenous Vasopressin in Porcine Cardiac Arrest Model, 211-218, American Journal of Disaster Medicine, Volume 11, Number 3, February 2017.
5. Cornell M, Kelbaugh J, Todd B, Christianson K, Grayson K, O'Sullivan Johnson D, Loughren M. Pharmacokinetics of Sternal Intraosseous Atropine Administration in Normovolemic and Hypovolemic Swine, 233-236, American Journal of Disaster Medicine, Volume 11, Number 4, February 2017.
6. Johnson M, Blouin D, Johnson D, Burgert J. Comparison of the Effects of Sternal and Tibial Intraosseous Administered Resuscitative Drugs on Return of Spontaneous Circulation in a Swine Model of Cardiac Arrest, 175-182, American Journal of Disaster Medicine, Volume 11, Number 3, February 2017.
7. Wimmer M, Heffner K, Smithers M, Culley R, Coyner J, Loughren M, Johnson D. The Comparison of Humeral Intraosseous and Intravenous Administration of Vasopressin on Return of Spontaneous Circulation and Pharmacokinetics in a Hypovolemic Cardiac Arrest Swine Model, 237-242, American Journal of Disaster Medicine, Volume 11, Number 4, February 2017.
8. Beaumont D, Baragchizadeh A, Johnson C, Johnson D. Effects of Tibial and Humerus Intraosseous Administration of Epinephrine in a Cardiac Arrest Swine Model, 243-251, American Journal of Disaster Medicine, Volume 11, Number 4, February 2017.
9. Hampton K, Wang E, Argame JI, Bateman T, Craig W, Johnson D. The Effects of Tibial Intraosseous Versus Intravenous Amiodarone Administration in a Hypovolemic Cardiac Arrest Porcine Model, 253-260,

- American Journal of Disaster Medicine, Volume 11, Number 4, February 2017.
10. Holloway M, Jurina S, Orszag J, Bragdon G, Green R, Garcia-Blanco J, Benham B, Adams T, Johnson D. Effects of Humerus Intraosseous Versus Intravenous Amiodarone Administration in a Hypovolemic Porcine Model, 261-269, American Journal of Disaster Medicine, Volume 11, Number 4, February 2017.
  11. Smith, S, Borgkvist B, Kist T, Annelin J, Johnson D, Long R. The Effects of Sternal Intraosseous and Intravenous Administration of Amiodarone in a Hypovolemic Swine Cardiac Arrest Model, 271-277, American Journal of Disaster Medicine, Volume 11, Number 4, February 2017.
  12. Nemeth M, Williams G, Prichard D, McConnico A, Johnson D, Loughren M. Onset and Duration of Intravenous and Intraosseous Rocuronium in Hypovolemic Swine, 279-282, American Journal of Disaster Medicine, Volume 11, Number 4, February 2017.
  13. Burgert J, Johnson D, Garcia-Blanco J, Fulton L, Loughren M. The Resuscitative and Pharmacokinetic Effects of Humeral Intraosseous Vasopressin in a Swine Model of Ventricular Fibrillation, Prehospital and Disaster Medicine on line March 2017.
  14. von Leden R, Yauger Y, Khayrullina G, Byrnes, K. Central Nervous System Injury and Nicotinamide Adenine Dinucleotide Phosphate Oxidase: Oxidative Stress and Therapeutic Targets, Journal of Neurotrauma, 34:755–764; 15 February 2017.
  15. Deeds J. Preoperative Gabapentin and IV Acetaminophen to Improve Postoperative Pain Outcomes after Hysterectomy, CRNA TODAY CONTINUING EDUCATION eJOURNAL. April 2017.
  16. Ceremuga T, Helmrick K, Kufahl Z, Kelley J, Keller B, Philippe F, Golder J, Padrón G, Investigation of the Anxiolytic and Antidepressant Effects of Curcumin, a Compound From Turmeric (*Curcuma longa*), in the Adult Male Sprague-Dawley Rat, Holistic Nursing Practice, 2017 May/Jun;31(3):193-203. doi: 10.1097/HNP.000000000000208.
  17. Ceremuga T, Ayala M, Chicoine R, Chun S, DeGroot J, Henson D, Randall S, Stanley L, and Beaumont D, Investigation of the Anxiolytic and Antidepressant Effects of Crocin, a Compound from Saffron (*Crocus sativus* L.), in the Male Sprague-Dawley Rat, AANA Journal, In Press.
  18. Burgert J, Martinez A, O'Sullivan M, Blouin D, Long A, Johnson A. Sternal Intraosseous Route More Effective than Tibial Intraosseous for Amiodarone Administration in a Swine Cardiac Arrest Model, Prehosp Emer Care, 2017. In Press.
  19. McClellan C, Green X, Heber B, Jolly M, Malone T, Schaaf J, Isaacs A, Ceremuga, T. Investigation of the Anxiolytic and Antidepressant Effects of Eucalyptol (1,8 cineole), a Compound from Eucalyptus, in the Adult Male Sprague-Dawley Rat, published AANA Journal, August 2017.
  20. Moritz K, McCormack N, Abera M, Viollet C, Yauger Y, Sukumar G, Dalgard C, Burnett B. The Role of the Immunoproteasome in Interferon- $\gamma$ -Mediated

B. Publications Abstracts:

1. Malone T, McClellan C, Green X, Heber B, Jolly M, Schaaf J, Isaacs A, Ceremuga T, Investigation of the Anxiolytic and Antidepressant Effects of Eucalyptol (1,8 cineole), a Compound from Eucalyptus, in the Adult Male Sprague-Dawley Rat, at the AANA Annual Congress in Seattle Washington, 8-12 September 2017.
2. Bragdon G, Orszag J, Jurina S, Olson M, Green R, Benham B, Adams T, Johnson D, Effects of Humerus IO versus IV Amiodarone Administration in a Hypovolemic Porcine Model, at the AANA Annual Congress in Seattle Washington, 8-12 September 2017.
3. Kist T, Annelin J, Borgkvist B, Smith S, Long R, Johnson D, The Effects of Sternal IO versus IV Amiodarone Administration in a Hypovolemic Porcine Model, at the AANA Annual Congress in Seattle Washington, 8-12 September 2017.
4. Argame J, Hampton K, Wang E, Bateman T, Craig W, Johnson D. The Effects of Tibial Intraosseous Versus Intravenous Amiodarone Administration in a Hypovolemic Cardiac Arrest Porcine Model, at the AANA Annual Congress in Seattle Washington, 8-12 September 2017.
5. Fasone R, Houhoulis K, Lewis K, Benham B. Tattoos and Administration of Regional Anesthesia: A Comprehensive Review Protocol, at the TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
6. Hensler J. Effects of Maternal Diet Low in Protein on Adult Offspring's Response to Stress at the TriService Nursing Research Program Research and Evidence Based Practice Dissemination Course, April 25-27, 2017 in Ellicott City, MD.
7. Yauger Y, Byrnes K. Inhibition of NOX4 Reduces Iron Accentuated Oxidative Stress Among Neurons In Vitro, at the TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
8. Long R, O'Sullivan M, Martinez A, Long A, Johnson M, Blouin D, Johnson D, Burgert J. Comparison of the Effects of Sternal and Tibial Intraosseous Administered Resuscitative Drugs on Return of Spontaneous Circulation in a Swine Model of Cardiac Arrest, at the TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
9. Duncklee G, DDEAMC Phase 2 Faculty. Ketamine as a Neuroprotective Agent Following Soman Exposure, at the TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
10. Philippe F. A Strategy to Improve EBP Knowledge and Application Within an Anesthesia Department, TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.

### C. Platform Presentations:

1. Heffner K, Culley R. Evidence for the Elimination of Routine Preoperative Laboratory Testing, at the Hawaii Association of Nurse Anesthetist State Annual Conference, 25 March 2017.
2. Fasone R, Houhoulis K, Lewis K, Benham B. Tattoos and Administration of Regional Anesthesia: A Comprehensive Review Protocol, at the TriServices Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
3. Hensler J. Effects of Maternal Diet Low in Protein on Adult Offspring's Response to Stress at the TriService Nursing Research Program Research and Evidence Based Practice Dissemination Course, April 25-27, 2017 in Ellicott City, MD.
4. Yauger Y, Byrnes K. Inhibition of NOX4 Reduces Iron Accentuated Oxidative Stress Among Neurons In Vitro, at the TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
5. Long R, O'Sullivan M, Martinez A, Long A, Johnson M, Blouin D, Johnson D, Burgert J. Comparison of the Effects of Sternal and Tibial Intraosseous Administered Resuscitative Drugs on Return of Spontaneous Circulation in a Swine Model of Cardiac Arrest, at the TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
6. Helmrick K, Kufahl Z, DDEAMC SRNAs. Does the Use of a Handoff Tool Improve Staff Perceptions of Intraoperative Handoff Quality at Dwight David Eisenhower Army Medical Center? 17<sup>th</sup> Annual Spirit of Nursing Showcase, CSRA Chapter Georgia Nurses Association, Augusta, GA, 28 April 2017.
7. Benham B. Ultrasound-Guided Central Line Placement, at the 66F Army Anesthesia 66F Readiness Training on 17 May 2017.
8. Malone T, McClellan C, Green X, Heber B, Jolly M, Schaaf J, Isaacs A, Ceremuga T, Investigation of the Anxiolytic and Antidepressant Effects of Eucalyptol (1,8 cineole), a Compound from Eucalyptus, in the Adult Male Sprague-Dawley Rat, at the State of the Science at the AANA Annual Congress in Seattle Washington, 8-12 September 2017.
9. Bragdon G, Orszag J, Jurina S, Olson M, Green R, Benham B, Adams T, Johnson D, Effects of Humerus IO versus IV Amiodarone Administration in a Hypovolemic Porcine Model, at the State of the Science at the AANA Annual Congress in Seattle Washington, 8-12 September 2017.
10. Muir S, CRDAMC SRNA. Oxytocin Protocol Compared to Continuous Oxytocin Infusion Following Elective Cesarean Delivery, CRDAMC Annual Research Day, Fort Hood, TX, 25 May 2017.
11. Murphy J, CRDAMC Phase 2 Faculty. Ultrasound for Vascular & Regional Interventions Hands-on Round Robin Live Model, the 66F Army Anesthesia 66F Readiness Training, Fort Hood, TX, 17 May 2017.

12. Corona W, CRDAMC Phase 2 Faculty. Total Intravenous Anesthesia for the Austere Environment, the 66F Army Anesthesia 66F Readiness Training, Fort Hood, TX, 17 May 2017.
13. Duncklee G, DDEAMC Phase 2 Faculty. Ketamine as a Neuroprotective Agent Following Soman Exposure, at the TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
14. Smith S, MAMC SRNA. The Effects of Sternal Intraosseous versus Intravenous Administration of Amiodarone in a Hypovolemic Cardiac Arrest Model in Swine, at the Washington State Association of Nurse Anesthetists Spring Conference, 21 April 2017. (0.33 CEU, approximately 100 CRNAs in attendance).
15. Althuisius Benjamin, Froehle J, MAMC SRNAs. Intraoperative Glycemic Control of the Non-diabetic Patient, at the Washington State Association of Nurse Anesthetists Spring Conference, 21 April 2017. (0.33 CEU, approximately 100 CRNAs in attendance).
16. Morris T, Richards J, MAMC SRNAs. Implementation of Thromboelastography in the Adult Trauma Population at the Washington State Association of Nurse Anesthetists Spring Conference, 21 April 2017. (0.33 CEU, approximately 100 CRNAs in attendance).
17. Burke J, Kadilak P, Perry K, WAMC SRNAs. Utilization Review of Intraoperative Intravenous Acetaminophen: Womack Army Medical Center, 8<sup>th</sup> Annual Research Symposium, Fort Bragg, North Carolina 3 May 2017.
18. Keller B, WBAMC SRNA. A Strategy to Improve EBP Knowledge and Application Within an Anesthesia Department, Texas Tech University Health Sciences Center and William Beaumont Army Medical Center Research Day, El Paso, TX, 10 May 2017.
19. Benham B. Joanna Briggs Institute Qualitative Systematic Review Training Program, the Society of Gastroenterology Nurses and Associates, Texas Christian University, Ft. Worth, TX, 14-16 June 2017.
20. Randall S, Chun S, DeGroot J, Ayala M, Chicoine R, Henson D, Stanley L, Beaumont D, and Ceremuga T. Investigation of the Anxiolytic and Antidepressant Effects of Crocin, a Compound from Saffron (*Crocus sativus* L.) in the Male Sprague-Dawley Rat, at the 6th Annual Graduate School Faculty Development and Research Symposium, San Antonio, 18 July 2017.
21. Hensler J, Effects of Maternal Diet Low in Protein on Adult Offspring's Response to Stress, at the 6th Annual Graduate School Faculty Development and Research Symposium, San Antonio, 18 July 2017.
22. Craig W. *Point of Care Ultrasound*, at the CRNAs of San Antonio June Meeting. (0.5 CEU).

#### D. Poster Presentations:

1. Fasone R, Houhoulis K, Lewis K, Benham B. Tattoos and Administration of Regional Anesthesia: A Comprehensive Review Protocol, at the TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
2. Hensler J. Effects of Maternal Diet Low in Protein on Adult Offspring's Response to Stress at the TriService Nursing Research Program Research and Evidence Based Practice Dissemination Course, April 25-27, 2017 in Ellicott City, MD.
3. Yauger Y, Byrnes K. Inhibition of NOX4 Reduces Iron Accentuated Oxidative Stress Among Neurons In Vitro, at the TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
4. Long R, O'Sullivan M, Martinez A, Long A, Johnson M, Blouin D, Johnson D, Burgert J. Comparison of the Effects of Sternal and Tibial Intraosseous Administered Resuscitative Drugs on Return of Spontaneous Circulation in a Swine Model of Cardiac Arrest, at the TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
5. Philippe F. A Strategy to Improve EBP Knowledge and Application Within an Anesthesia Department, TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
6. Malone T, McClellan C, Green X, Heber B, Jolly M, Schaaf J, Isaacs A, Ceremuga T, Investigation of the Anxiolytic and Antidepressant Effects of Eucalyptol (1,8 cineole), a Compound from Eucalyptus, in the Adult Male Sprague-Dawley Rat, at the AANA Annual Congress in Seattle Washington, 8-12 September 2017.
7. Bragdon G, Orszag J, Jurina S, Olson M, Green R, Benham B, Adams T, Johnson D, Effects of Humerus IO versus IV Amiodarone Administration in a Hypovolemic Porcine Model, at the AANA Annual Congress in Seattle Washington, 8-12 September 2017.
8. Kist T, Annelin J, Borgkvist B, Smith S, Long R, Johnson D, The Effects of Sternal IO versus IV Amiodarone Administration in a Hypovolemic Porcine Model, at the AANA Annual Congress in Seattle Washington, 8-12 September 2017.
9. Argame J, Hampton K, Wang E, Bateman T, Craig W, Johnson D. The Effects of Tibial Intraosseous Versus Intravenous Amiodarone Administration in a Hypovolemic Cardiac Arrest Porcine Model, at the AANA Annual Congress in Seattle Washington, 8-12 September 2017.
10. Duncklee G, DDEAMC Phase 2 Faculty. Ketamine as a Neuroprotective Agent Following Soman Exposure, at the TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
11. Helmrick K, Kufahl Z, DDEAMC SRNAs. Does the Use of a Handoff Tool Improve Staff Perceptions of Intraoperative Handoff Quality at Dwight David Eisenhower Army Medical Center?, Nurses Week DDEAMC Poster Presentation, 10 May 2017.

12. Houhoulis K, Lewis K, Fasone H, and Benham B. The Impact of Tattoos on the Delivery of Regional Anesthetics: a Comprehensive Systematic Review, at the 6th Annual Academy of Health Sciences Graduate School Research Symposium, San Antonio, Texas, 18 July 2017.
13. Beaumont D, Johnson, D. Effects of Humerus and Tibial Intraosseous Administration of Epinephrine in a Swine Cardiac Arrest Model, at the 6th Annual Graduate School Faculty Development and Research Symposium, San Antonio, 18 July 2017.
14. Glynn A, Randall S, Ayala M, Celestino J, Chicoine R, Chun S, DeGroot J, Henson D, Stanley L, Beaumont D, and Ceremuga T. Knowledge Assessment of Military Personnel and Family Taking Herbal Medications, at the 6th Annual Graduate School Faculty Development and Research Symposium, San Antonio, 18 July 2017.
15. Yauger Y. Inhibition of NOX4 Reduces Oxidative Stress and Neuronal Damage Induced by Iron Activated Microglia, National Neurotrauma Society 35th Annual Symposium, Snowbird, UT, 2017.

E. Grant Activity: (Total: \$2,635,416.00)

1. Ceremuga T. Evaluation of the Anxiolytic Effects of Herbal Supplements and Possible Interactions with Midazolam in the Laboratory Rat, (2012) AANA Foundation (\$16,978).
2. Johnson A, O'Sullivan J, Hensler J, Neill M, Yauger Y. Epinephrine Administration in a Pediatric Swine Hypovolemic Cardiac Arrest Model, TriService Nursing Research Program Grant (\$620,000).
3. Randall S, Ayala M, Celestino J, Chicoine R, Chun S, DeGroot J, Glynn A, Henson D, Stanley L, Beaumont D, Ceremuga T. Knowledge Assessment of Military Personnel and Family Taking Herbal Medications, TriService Nursing Research Program Graduate Grant (\$36,000).
4. Johnson D, Loughren M, Burgert J, Gegel B. Effects of Different Routes of Administration of Vasopressin, (2013-present) TriService Nursing Research Program (\$500,000).
5. Johnson D, Loughren M, Burgert J, Gegel B. Effects of Different Routes of Administration of Vasopressin in a Hypovolemic Model (2013-present) TriService Nursing Research Program (N13-P10) awarded (\$240,638.00).
6. Ceremuga T, Buonora J, Valdivieso D, Criss J, Krum P. Pregabalin & L-Theanine Prophylactic Effects on PTSD Behavior and Gene Expression, (2014-present) TriService Nursing Research Program, (\$506,000.00).
7. Johnson D. received \$171,800 additional TriService Nursing Research Program funds to evaluate: The Effects of Intraosseous Administration of Amiodarone on Kinetics and Return to Spontaneous Circulation.
8. Ceremuga T. and lab has been gifted over \$40,000 worth of pregabalin, a Pfizer medication, from the Pfizer Research and Compound Transfer Team in support of their study, Pregabalin & L-Theanine Prophylactic Effects on PTSD Behavior and Gene Expression.



9. O'Sullivan J, Johnson A, Long R. Effects of Different Routes of Epinephrine in a Hypovolemic Model, funded by TriService Nursing Research Program at \$504,000 for three years.

F. Invited Lectures:

1. Johnson A, USAGPAN Faculty. From Thick Soup to Hyperosmolar Imbalances: Teaching Strategies, based on Gagne and Ausubel theories of education, at a faculty development briefing at the weekly USAGPAN Faculty Meeting, 3 October 2016.
2. Golder J, WBAMC SRNA. Chapter 5-6 review, Evidence Trumps Belief: Reconsidering the Significance of the 'Statistical Significances', at WBAMC Anesthesia Morning Report, 12 September 2016. (0.5 CEUs)
3. Golder J, WBAMC SRNA. The Safety of Perioperative Esmolol: A Systematic Review and Meta-Analysis of Randomized Clinical Trials, Journal Club, WBAMC Anesthesia Morning Report, Journal Club, 19 September 2016. (0.5 CEUs)
4. Keller B, WBAMC SRNA. Chapter 7-8 review, Evidence Trumps Belief: A Primer on the Meta-analysis. A Brief Introduction and Overview of the Cochrane Review, WBAMC Anesthesia Morning Report, 26 September 2016. (0.5 CEUs)
5. Kadilak P, WAMC SRNA. Effects of Humeral Intraosseous Versus Intravenous Epinephrine on Pharmacokinetics and Return of Spontaneous Circulation in a Porcine Cardiac Arrest Model: A Randomized Control Trial. Annals of Medicine and Surgery, Journal Club Presentation Morning Conference Womack Army Medical Center, 7 September 2016. (0.5 CEUs)
6. Fasone R, TAMC SRNA. Malignant Hyperthermia and Anesthesia Management, TAMC Anesthesia Morning Report, 3 October 2016.
7. Kist T, TAMC SRNA. TIVA vs General Anesthesia for Cancer Patients, TAMC Anesthesia Morning Report, 17 October 2016.
8. Jolly M, TAMC SRNA. Pheochromocytoma and Anesthesia Management, TAMC Anesthesia Morning Report, 31 October 2016.
9. Kist T, TAMC SRNA. The Use of Ketamine with Patients with PTSD, TAMC Anesthesia Morning Report, 7 November 2016.
10. Fasone R, TAMC SRNA. Priming Dose with Neuromuscular Blocking Agents, TAMC Anesthesia Morning Report, 21 November 2016.
11. Murphy J, CRDAMC Faculty. Implementation of the USAGPAN New Evaluation Tool, CRDAMC Anesthesia Morning Report, November 17, 2016.
12. Annelin, J, MAMC SRNA. Perioperative Acetaminophen, Journal Club Podium Presentation at MAMC Anesthesia Morning Report, October 14, 2016. (0.5 CEUs, approximately 25 attendees)
13. Morris T, MAMC SRNA. Advanced Airway Management Techniques for Best Medic Program, as part of JBLM Best Medic program (both Army and Air Force medics/EMTs), October 19, 2016. (CEUs offered with the course, 20+ attendees)

14. Froehle J, MAMC SRNA. Perioperative Management of the Patient on ACEi/ARB, Journal Club Podium Presentation at MAMC Anesthesia Morning Report, October 28, 2016. (0.5 CEUs, approximately 25 attendees)
15. Bragdon, G, MAMC SRNA. Transnasal Humidified Rapid-Insufflation Ventilatory Exchange, Journal Club Podium Presentation at MAMC Anesthesia Morning Report, November 4, 2016. (0.5 CEUs, approximately 25 attendees)
16. Morris T, MAMC SRNA. Pulmonary Hypertension and Anesthetic Concerns, MAMC Anesthesia Morning Report Presentation at the VA Puget Sound Anesthesia Department, November 27, 2016. (1 CEU, 7 attendees)
17. Green X, MAMC SRNA. Tranexamic Acid in Patients Undergoing Coronary-Artery Surgery, Journal Club Podium Presentation at MAMC Anesthesia Morning Report, December 2, 2016. (0.5 CEUs, approximately 20 attendees)
18. Keller B, WBAMC SRNA. Upper Extremity Peripheral Nerve Blocks and the Appropriate Surgery Choice, WBAMC Anesthesia Morning Report, Journal Club, 5 December 2016. (0.5 CEUs).
19. Deeds J, WBAMC Faculty. Anesthesia for Hepatic Surgery Oral Boards, WBAMC Anesthesia Morning Report, 8 December 2016. (0.5 CEUs).
20. Keller B, WBAMC SRNA. Hands on Performing Upper Extremity Peripheral Nerve Blocks Utilizing Live Human Models and Manikins, WBAMC Anesthesia Morning Report, Journal Club, 12 December 2016. (0.5 CEUs).
21. Deeds J, WBAMC Faculty. Brachial Plexus, Opioids, Pain Pathway, WBAMC Anesthesia Morning Report, 13 December 2016. (0.5 CEUs)
22. Long R, USAGPAN Phase 1 Faculty. Human Protections and Research, MHA/MBA program at the AMEDDC&S, 14 December 2016.
23. Jones P, BAMC Phase 2 Faculty. Hands on Labs for UGRA of Upper Extremities, Ultrasound Guided Regional Anesthesia (UGRA) for the CRNA Course held at the Dannemiller/Linron Center in San Antonio, 3-4 December 2016.
24. Forrester A, BAMC Phase 2 Faculty. UGRA and Continuous Peripheral Nerve Block Catheters; Hands on Labs for UGRA of Upper Extremities, Lower Extremities, and Trunk Blocks, Ultrasound Guided Regional Anesthesia (UGRA) for the CRNA Course held at the Dannemiller/Linron Center in San Antonio, 3-4 December 2016.
25. Sherner J. UGRA and the Transabdominis Plane Block; Hands on Labs for UGRA of Upper Extremities, Lower Extremities, and Trunk Blocks, Ultrasound Guided Regional Anesthesia (UGRA) for the CRNA Course held at the Dannemiller/Linron Center in San Antonio, 3-4 December 2016.
26. Ayala M, SRNA USAGPAN Phase 1. Hands on Labs for UGRA of Upper Extremities, Ultrasound Guided Regional Anesthesia (UGRA) for the CRNA Course held at the Dannemiller/Linron Center in San Antonio, 3-4 December 2016.
27. Herzog C, SRNA USAGPAN Phase 1. Hands on Labs for UGRA of Upper Extremities and Lower Extremities, Ultrasound Guided Regional Anesthesia

- (UGRA) for the CRNA Course held at the Dannemiller/Linron Center in San Antonio, 3-4 December 2016.
28. Henson D, SRNA USAGPAN Phase 1. Hands on Labs for UGRA of Upper Extremities and Lower Extremities, Ultrasound Guided Regional Anesthesia (UGRA) for the CRNA Course held at the Dannemiller/Linron Center in San Antonio, 3-4 December 2016.
  29. Stanley L, SRNA USAGPAN Phase 1. Hands on Labs for UGRA of Upper Extremities, Lower Extremities, and Trunk Blocks, Ultrasound Guided Regional Anesthesia (UGRA) for the CRNA Course held at the Dannemiller/Linron Center in San Antonio, 3-4 December 2016.
  30. Moore M, SRNA USAGPAN Phase 1. Hands on Labs for UGRA of Upper Extremities, Lower Extremities, and Trunk Blocks, Ultrasound Guided Regional Anesthesia (UGRA) for the CRNA Course held at the Dannemiller/Linron Center in San Antonio, 3-4 December 2016.
  31. Craig W, USAGPAN Phase 1 Faculty. UGRA for Lower Extremities, Trunk Blocks, and Neuraxial Blocks, Introduction to the Basic Focused Assessed Transthoracic Echo Exam (FATE); Hands on Labs for UGRA of Upper Extremities, Lower Extremities, Truncal, Neuraxial Nerve Blocks, Ultrasound Guided Regional Anesthesia (UGRA) for the CRNA Course held at the Dannemiller/Linron Center in San Antonio, 3-4 December 2016.
  32. Deeds J and Whitacre B, Phase 2 WBAMC Faculty. Hemostasis and the Coagulation Cascade, WBAMC Anesthesia Morning Report, 3 January 2017. (0.5 CEUs).
  33. Schaaf J, WBAMC SRNA. Hands on Demonstration of Ultra-sound Guided Truncal Blocks, WBAMC Anesthesia Morning Report, 23 January 2017. (0.5 CEUs).
  34. Philippe F, WBAMC SRNA. Complications of Peripheral Nerve Blocks, WBAMC Anesthesia Morning Report, 30 January 2017. (0.5 CEUs).
  35. Burke J, Kadilak P, and Perry K, WAMC SRNAs. Utilization Review of Intraoperative Intravenous Acetaminophen: Womack Army Medical Center, Department of Anesthesia Leadership Meeting, Womack Army Medical Center, 26 January 2017.
  36. Lewis K, WAMC SRNA. Journal Club Presentation, Withholding versus Continuing Angiotensin-converting Enzyme Inhibitors or Angiotensin II Receptor Blockers before Noncardiac Surgery: An Analysis of the Vascular events In Noncardiac Surgery Patients cOhort evaluation (VISION) Prospective Cohort. *Anesthesiology*. 126(1):16-27. 2017, Morning Conference Womack Army Medical Center, 20 January 2017. (0.5 CEUs).
  37. Houhoulis K, SAMMC SRNA. Intravenous versus Topical TXA for Reduction of Blood Loss in Total Knee Arthroplasty, Journal Club Presentation to Nurse Anesthesia Staff, San Antonio Military Medical Center, 1 December 2016 (0.5 CEUs).
  38. Benham B, instructed at the Joanna Briggs Institute systematic review training for the DOD under the auspices of TSNRP for 10 senior Army and Air Force leaders and clinical civilians, 23-25 January 2017.

39. Heber B and McClellan C, DDEAMC SRNA. Renal Review, at Anesthesia Morning Conference, DDEAMC, Ft. Gordon, GA, 17 January, 2017. (0.5 CEU's).
40. Heber B, DDEAMC SRNA. Journal Club: Efficacy of Intravenous Ketamine for Treatment of Chronic Posttraumatic Stress Disorder, A Randomized Clinical Trial, at Anesthesia Morning Conference, DDEAMC, Ft. Gordon, GA, 27 January 2017. (0.5 CEU's).
41. Murphy J, CRDAMC Phase 2 Faculty. Implementation of the USAGPAN New Evaluation Tool, Morning Report/Conference Carl R. Darnall Army Medical Center, 18 January 2017.
42. Corona W, CRDAMC Phase 2 Faculty. Intraoperative Blood Management, at OR Training Day, Carl R. Darnall Army Medical Center, 19 January 2017.
43. Golder J, WBAMC SRNA. Surgical Complications of Orthopedic Procedures of the Hip/Knees, WBAMC Anesthesia Morning Report, 13 February 2017. (0.5 CEUs).
44. Golder J, WBAMC SRNA. Surgical Complications of Orthopedic Procedures of the Ankle and Foot, WBAMC Anesthesia Morning Report, 27 February 2017. (0.5 CEUs).
45. Wang E, WAMC SRNA. Journal Club: Liu J, Zhang X, Gong W. Correlations Between Controlled Endotracheal Tube Cuff Pressure and Postprocedural Complications: A Multicenter Study. *Anesthesia and Analgesia*. 111(5):1133-7. 2010. Morning Conference Womack Army Medical Center, 23 February 2017. (0.5 CEUs).
46. Kadilak P, WAMC SRNA. Journal Club: Chau A, Bibbo C, Huang CC. Dural Puncture Epidural Technique Improves Labor Analgesia Quality With Fewer Side Effects Compared With Epidural and Combined Spinal Epidural Techniques: A Randomized Clinical Trial. *Anesthesia and analgesia*. 124(2):560-569. 2017. Morning Conference Womack Army Medical Center, 28 February 2017. (0.5 CEUs).
47. Heber B and McClellan C, DDEAMC SRNA. Endocrine Review, Diabetes Mellitus, Morning conference, DDEAMC, 13 February, 2017. (0.5 CEUs).
48. Heber B and McClellan C, DDEAMC SRNA. Obstetric Hypertensive Emergencies, Morning conference, DDEAMC, 24 February 2017. (0.5 CEUs).
49. Helmrick K, DDEAMC SRNA. Goal Directed Fluid Therapy Decreases Postoperative Morbidity But Not Mortality in Major Non-Cardiac Surgery: A Meta-Analysis and Trial Sequential Analysis of Randomized Controlled Trials, Journal Club, DDEAMC, 27 February 2017. (0.5 CEU's).
50. Borgkvist B, SAMMC SRNA. Anticoagulants and Peripheral Nerve Blocks, Journal Club Presentation to Nurse Anesthesia Staff, San Antonio Military Medical Center, 2 February 2017. (0.5 CEUs).
51. Jurina S, SAMMC SRNA. Medication Errors: The Five Rights and Then Some, Journal Club Presentation to Nurse Anesthesia Staff, San Antonio Military Medical Center, 7 February 2017. (0.5 CEUs).

52. Jurina S, SAMMC SRNA. Neuraxial Neostigmine and Clonidine in Obstetric Anesthesia, Journal Club Presentation to Nurse Anesthesia Staff, San Antonio Military Medical Center, 16 February 2017. (0.5 CEUs).
53. Green R, Muir S, Orszag J, CRDAMC SRNAs. The Effects of Dexmedetomidine and Fentanyl on Emergence Characteristics After Adenoidectomy in Children, Journal Club Podium Presentation at Anesthesia Morning Report, CRDAMC, 23 February 2017. (.25 CEUs).
54. Green R, Muir S, Orszag J, CRDAMC SRNAs. A Randomized Trial of Dural Puncture Epidural Technique Compared with the Standard Epidural Technique for Labor Analgesia. Journal Club Podium Presentation at Anesthesia Morning Report, CRDAMC, 2 February 2017. (.25 CEUs).
55. Annelin J, MAMC SRNA. Perioperative Acetaminophen. Journal Club Podium Presentation at Anesthesia Morning Report, MAMC, 14 October 2016. (0.5 CEUs, approximately 25 attendees).
56. Morris T, MAMC SRNA. Advanced Airway Management Techniques for Best Medic Program as part of JBLM Best Medic program (both Army and Air Force medics/EMTs), 19 October 2016. (CEUs offered with the course, 20+ attendees).
57. Froehle J, MAMC SRNA. Perioperative Management of the Patient on ACEi/ARB. Journal Club Podium Presentation at Anesthesia Morning Report, MAMC, 28 October 2016. (0.5 CEUs, approximately 25 attendees).
58. Bragdon G, MAMC SRNA. Transnasal Humidified Rapid-Insufflation Ventilatory Exchange. Journal Club Podium Presentation at Anesthesia Morning Report, MAMC, 4 November 2016. (0.5 CEUs, approximately 25 attendees).
59. Morris T, MAMC SRNA. Pulmonary Hypertension and Anesthetic Concerns. Morning Report Presentation at the VA Puget Sound Anesthesia Department, 27 November 2016. (1 CEU, 7 attendees).
60. Green X, MAMC SRNA. Tranexamic Acid in Patients Undergoing Coronary-Artery Surgery. Journal Club Podium Presentation at Anesthesia Morning Report, MAMC, 2 December 2016. (0.5 CEUs, approximately 20 attendees).
61. Morris T, MAMC SRNA. Obesity and Anesthesia Concerns. Journal Review Podium Presentation at Anesthesia Morning Report, MAMC, January 6 2017. (0.5 CEUs, approximately 20 attendees).
62. Smith S, MAMC SRNA. Maternal Anesthesia and the Fetal Brain. Journal Review Podium Presentation at Anesthesia Morning Report, MAMC, 20 January 2017. (0.5 CEUs, approximately 25 attendees).
63. Annelin J, MAMC SRNA. Withholding versus Continuing Angiotensin-Converting Enzyme Inhibitors or Angiotensin II Receptor Blockers before Noncardiac Surgery. Journal Review Podium Presentation at Anesthesia Morning Report, MAMC, 10 February 2017. (0.5 CEUs, approximately 20 attendees).
64. Morris T, MAMC SRNA. Advanced Airway Management Techniques for Medics. Part of MAMC initiative to develop skills in our medics. 23 February 2017. 2 hour presentation with hands on skills practice.

65. Richards J, MAMC SRNA. Sphenopalatine Ganglion Block for Management of Post Dural Puncture Headache. Journal Review Podium Presentation at Anesthesia Morning Report, MAMC, 24 February 2017. (0.5 CEUs, approximately 25 attendees).
66. Froehle J, MAMC SRNA. Intraoperative Glycemic Control of the Non-Diabetic Patient. Morning Report Presentation at the VA Puget Sound Anesthesia Department, 28 February 2017. (1 CEU/GME offered, approximately 20 attendees).
67. Schaaf J, WBAMC SRNA. Complications of Neuraxial Anesthesia, WBAMC Anesthesia Morning Report, 6 March 2017. (0.5 CEUs).
68. Deeds J, WBAMC Phase 2 Faculty. Board Preparation: Obstetric Anatomy, Physiology, and Applicable Pharmacology, WBAMC Anesthesia Morning Report, 13 March 2017. (0.5 CEUs).
69. Deeds J, WBAMC Phase 2 Faculty. Board Preparation: Acid base Physiology, WBAMC Anesthesia Morning Report, 20 March 2017. (0.5 CEUs).
70. Murphy J, CRDAMC Phase 2 Faculty, Schierenbeck M, MAMC Phase 2 Faculty. Implementation of the USAGPAN New Evaluation Tool, USAGPAN ASF, Fort Sam Houston, San Antonio, TX. 23 March 2017.
71. Wang E, WAMC SRNA. Journal Review: Dunn LK, Durieux ME. Perioperative Use of Intravenous Lidocaine. *Anesthesiology*. 2017; 126(4):729-737. Morning Conference Womack Army Medical Center, 14 April 2017. (0.5 CEUs).
72. Borgkvist, B, SAMMC SRNA. Amniotic Fluid Embolism, Presentation at Morning Report, Fort Hood TX, CRDAMC, 27 April 2017.
73. Deeds J, WBAMC Phase 2 Faculty. Board preparation: Pediatric and geriatric anatomy, physiology, anesthetic considerations, and applicable pharmacology, WBAMC Anesthesia Morning Report, 3 April 2017. (0.5 CEUs).
74. Deeds J, WBAMC Phase 2 Faculty. Board preparation continued: Pediatric and Geriatric Anatomy, Physiology, Anesthetic Considerations, and Applicable Pharmacology, WBAMC Anesthesia Morning Report, 10 April 2017. (0.5 CEUs).
75. Deeds J, WBAMC Phase 2 Faculty. Management of Angioedema, WBAMC Anesthesia Morning Report, 24 April 2017. (0.5 CEUs).
76. Stone J, WBAMC Phase 2 Faculty. Hepatic Anatomy and Physiology. Anesthetic Implications of Hepatic Disease, WBAMC Anesthesia Morning Report, 25 April 2017. (0.5 CEUs).
77. Helmrick K, Kufahl Z, DDEAMC SRNAs. Does the Use of a Handoff Tool Improve Staff Perceptions of Intraoperative Handoff Quality at Dwight David Eisenhower Army Medical Center? Capstone Defense, DDEAMC, 14 April 2017.
78. Helmrick K, Kufahl Z, DDEAMC SRNAs. Autonomic Nervous System Review with Anesthesia Considerations, DDEAMC Morning Report, 9 May 2017. (0.5) CEU.

79. Borgkvist B, SAMMC SRNA. Amniotic Fluid Embolism: A Review of the Literature, Journal Club Presentation to Nurse Anesthesia Staff, San Antonio Military Medical Center, 11 May 2017. (0.5 CEUs).
80. Houhoulis K, SAMMC SRNA. BIS Monitoring to Prevent Post-Operative Delirium and Cognitive Dysfunction, Journal Club Presentation to Nurse Anesthesia Staff, San Antonio Military Medical Center, 4 May 2017. (0.5 CEUs).
81. Bragdon G, MAMC SRNA. Effect of Dexmedetomidine on Urine Output, Journal Club at Anesthesia Morning Report, MAMC, 14 April 2017. (0.5 CEU, approximately 20 attendees).
82. Smith S, MAMC SRNA. Postoperative Nausea/Vomiting and Midazolam. Journal Club at Anesthesia Morning Report, MAMC, 12 May 2017. (0.5 CEU, approximately 20 attendees).
83. Morris T, Richards J, MAMC SRNAs. Implementation of Thromboelastography in the Adult Trauma Population, DNP project Defense at Anesthesia Morning Report MAMC, 16 May 2017.
84. Althuisius B, Froehle J, MAMC SRNAs. Intraoperative Glycemic Control of the Non-diabetic Patient, DNP project Defense at Anesthesia Morning Report MAMC, 25 May 2017.
85. Deeds J, WBAMC Phase 2 Faculty. Board preparation: Obesity Physiology, Anesthetic Considerations, and Applicable Pharmacology, WBAMC Anesthesia Morning Report, 23 May 2017. (0.5 CEUs).
86. Stone J, WBAMC Phase 2 Faculty. Trauma and Military Readiness Update, WBAMC Anesthesia Morning Report, 6 June 2017.
87. Deeds J, WBAMC Phase 2 Faculty. Officer Professional Development: Blended Retirement System, WBAMC Anesthesia Morning Report, 12 June 2017.
88. Malone T, WBAMC SRNA. Unique Cases in a Level 1 Trauma Center in El Paso, TX, WBAMC Anesthesia Morning Report, 20 June 2017.
89. Malone T, WBAMC SRNA. Varying Anesthesia Personnel Models in El Paso, TX, WBAMC Anesthesia Morning Report, 22 June 2017.
90. Althuisius B, Froehle J, MAMC SRNAs. Intraoperative Glycemic Control of the Non-diabetic Patient, DNP Project Defense at Anesthesia Morning Report MAMC, 25 May 2017.
91. Annelin J. MAMC SRNA. Effect of Early Tranexamic Acid Administration on Mortality, Hysterectomy, and other Morbidities in Women with Post-partum Hemorrhage (WOMAN): An International, Randomized, Double-Blind, Placebo-Controlled Trial, Journal Club at Anesthesia Morning Report, MAMC, 16 June 2017. (0.5 CEU, approximately 20 attendees).
92. Rauch J, Albright B, Blalock W, DDEAMC SRNAs. Prevalence of and Barriers to the use of Intraosseous Devices in Department of Defense Medical Facilities to the anesthesia staff at DDEAMC, 24 July 2017.
93. Schaaf J, WBAMC SRNA. *Unique Cardiac Cases at the Albuquerque VA*, WBAMC Anesthesia Morning Report, 6 July 2017.
94. Isaacs A, WBAMC SRNA. *Anesthesia for Neurological Cases in the MRI*, WBAMC Anesthesia Morning Report, 11 July 2017. (0.5 CEUs).

95. Isaacs A, WBAMC SRNA. *Scalp Blocks*, WBAMC Anesthesia Morning Report, 13 July 2017. (0.5 CEUs).
96. Deeds J, WBAMC Phase 2 Faculty. Officer Professional Development: Blended Retirement System, WBAMC Anesthesia Morning Report, 19 July.
97. Randall S, WBAMC SRNA. Investigation of the Anxiolytic and Antidepressant Effects of Crocin, a Compound from Saffron (*Crocus sativus* L.) in the Male Sprague-Dawley Rat, WBAMC Anesthesia Morning Report, 24 July 2017.
98. Malone T, WBAMC SRNA. Neurological Anesthesia, WBAMC Anesthesia Morning Report, 25 July. (0.5 CEUs).
99. Houhoulis K, SAMMC SRNA. Post Dural Puncture Headache, at Morning Report CRDAMC, Fort Hood, TX, 20 July 2017.
100. Bragdon G, MAMC SRNA. ACC/AHA Guidelines for Cardiac Patients Undergoing Noncardiac Surgery, at Anesthesia Morning Report, MAMC, 29 August 2017. (approximately 20 in attendance).
101. Annelin J, MAMC SRNA. Tranexamic Acid, Morning Report Presentation at the VA Puget Sound Anesthesia Department, 30 August 2017.
102. Annelin J, MAMC SRNA. Cardiac Arrhythmias and Classification of Medications to Treat Them, Morning Report Presentation at the VA Puget Sound Anesthesia Department, 5 September 2017. (0.5 CEU/GME with approximately 15 in attendance).
103. Raymond E, Stanley L, Koenig A, Noell J, CRDAMC SRNAs, Briefing to the Orthopedic Surgical Staff on the Planned QI Study Comparing the Genicular Block to Joint Cocktail, CRDAMC. Orthopedic Staff Meeting CRDAMC, Fort Hood, TX, 18 August 2017.
104. Raymond E, Stanley L, Koenig A, Noell J, CRDAMC SRNAs. *Inhalational Anesthetics*, Morning Report, CRDAMC, Fort Hood, TX, 21 September 2017.

G. Academic or Research Awards:

1. LTC Robert Long was inducted to Sigma Xi, the Scientific Research Society, at Trinity University, November 2017.
2. Dr Liz Kelly, TAMC Faculty, was selected by the NBCRNA as an item writer for the National Certification Exam, November 2017.
3. Dr. Julie Hensler, Professor at Phase 1, selected to serve as a scientific reviewer for the Journal Psychopharmacology.
4. LTC Long was invited and reviewed a manuscript for PLOS One.
5. LTC Long was selected as a co-leader for the 2017 TriService Nursing Research Program (TSNRP) Anesthesia Research Interest Group.
6. Military CRNA's and SRNA's from DDEAMC were recognized by Georgia House Representative Dave Belton on the floor of the Georgia State Capital. This took place on 23 January 2017 during National CRNA week and the Georgia Association of Nurse Anesthetist Capital Week.
7. Kertes S, Adams T, Long R, Yearick N. Obstructive Sleep Apnea Screening in Preoperative Military Personnel, won 2nd place poster for EBP project at



- TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
8. Beaumont D, Adams T, Muir S, Green R. Received certification in Tactical Combat Casualty Care (TCCC), Army Anesthesia 66F Readiness Training at Fort Hood, TX 16-18 May 2017.
  9. Malone T, McClellan C, Green X, Heber B, Jolly M, Schaaf J, Isaacs A, Ceremuga, T. Selected and awarded \$1,000 to present, Investigation of the Anxiolytic and Antidepressant Effects of Eucalyptol (1,8 cineole), a Compound from Eucalyptus, in the Adult Male Sprague-Dawley Rat, at the State of the Science at the AANA Annual Congress in Seattle Washington, September 8-12, 2017. This award was returned to the AANA Foundation.
  10. Sara K. Dempster, Veterans Administration SRNA, received the \$3000.00 American Association of Nurse Anesthetist Foundation Dr. Maureen Reilly, CRNA, PhD Memorial Scholarship award for her academic excellence and commitment to nurse anesthesia professional organizations.
  11. Bragdon G, Orszag J, Jurina S, Olson M, Green R, Benham B, Adams T, Johnson D. Selected and awarded \$1,000 to present, Effects of Humerus IO versus IV Amiodarone Administration in a Hypovolemic Porcine Model, at the State of the Science at the AANA Annual Congress in Seattle Washington, September 8-12, 2017. This award was returned to the AANA Foundation.
  12. Muir S, CRDAMC SRNA, Oxytocin Protocol Compared to Continuous Oxytocin Infusion Following Elective Cesarean Delivery, Best Podium Presentation: CRDAMC Annual Research Day. Fort Hood, TX, 25 May 2017.
  13. Duncklee G, DDEAMC Phase 2 Faculty. Ketamine as a Neuroprotective Agent following Soman Exposure, Best Podium and Poster in research category, at TriService Nursing Research Program Dissemination Course, Ellicott City, MD, 25-27 April 2017.
  14. MAJ Johnson received an ARCOM and 4 day pass for planning, coordinating, and executing the successful AMEDDC&S HRCoE Graduate School Faculty Development and Research Symposium this week, 17-18 July 2017.
  15. LTC Long was selected by the AANA Board of Directors to serve as a member of the FY2018 Continuing Education Committee. He will serve on this committee from September 13, 2017 until September 25, 2018.
  16. COL Denise Beaumont earned her Doctorate of Nursing Anesthesia Practice (DNAP), graduating from Texas Wesleyan University on August 15, 2017.
  17. LTC Long received a PCS MSM award, Thursday 24 August 2017.
  18. Dr. Tomás Eduardo Ceremuga was selected as the AMEDDC&S Civilian of the Quarter.
  19. LTC Yauger recently graduated from the Uniformed Services University with his PhD in Neuroscience.
  20. MAJ(P) Neill recently graduated from the Uniformed Services University with his PhD in Neuroscience.

## II. US Army – Baylor University Doctoral Program in Physical Therapy (DPT)

### A. Publications:

1. Young BA, Kniss JR, Islas F. Lateral Foot Pain in a Recreational Runner. *J Orthop Sports Phys Ther.* 2017; 47(1): 41.
2. Young BA, Sizer PS, Day M. Thoracic Facet Dysfunction/Costo-transverse Joint Pathology, in: *The Spine Handbook.* Oxford University Press. (In Review)
3. Adderley K, Ambler S, Anderson M, Greathouse D, Heick J, Johanson M, Johnson A, Matsui I, Young B. A Perspective: Exploring the Roles of Physical Therapists on Primary Care Teams. April 2017. <http://www.apta.org/ScopeofPractice/PTRolePrimaryCare/>
4. Dolezal BA, Neufeld EV, Boland DM, Martin JL, and Cooper CB. Interrelationship between Sleep and Exercise: A Systematic Review. *Advances in Preventive Medicine.* Vol. 2017
5. Neufeld EV, Carney JJ, Dolezal BA, Boland DM, Cooper CB. Exploratory Study of Heart Rate Variability and Sleep among Emergency Medical Services Shift Workers. *Prehosp Emerg Care.* 2017; 21(1): 18-23.
6. Boland DM, Neufeld EV, Ruddell J, Dolezal BA, Cooper CB. Inter- and Intra-Rater Agreement of Static Posture Analysis Using a Mobile Application. *J Phys Ther Sci* 2016; 28(12).
7. Briggs RA, Houck JR, Drummond MJ, Fritz JM, LaStayo PC, Marcus RL. High-intensity multimodal resistance training improves muscle function, symmetry during a sit-to-stand task, and physical function following hip fracture. *J Nutr Health Aging* (2017). First Online: 06 October 2017.
8. Briggs RA, Houck JR, Drummond MJ, Fritz JM, LaStayo PC, Marcus RL. Muscle quality improves with extended high-intensity resistance training after hip fracture. *Jour Frailty & Aging* 2017, Vol 6.
9. McKenzie AI, Briggs RA, Barrows KM, Nelson DS, Kwon OS, Hopkins PN, Higgins TF, Marcus RL, Drummond MJ. A pilot study examining the impact of exercise training on skeletal muscle genes related to the TLR signaling pathway in older adults following hip fracture recovery. *J Appl Physiol.* 2017; 122(1):68-75.
10. Briggs RA, Houck JR, Drummond MJ, Fritz JM, LaStayo PC, Marcus RL. Asymmetries Identified in Sit-to-Stand Task Explain Physical Function after Hip Fracture. *J Geriatr Phys Ther.* 2017, Mar 1. [Epub ahead of print]
11. Rendeiro DG, Deyle GD, Gill NW, Majkowski GR, Lee IA, Jensen DA, Wainner RS. Effectiveness of Translational Manipulation under Interscalene Block for the Treatment of Adhesive Capsulitis of the Shoulder: A Nonrandomized Clinical Trial. *Physiotherapy Theory and Practice.* In Press.
12. Thelen MD, Koppenhaver SL, Gill NW, Shaffer SW. Effects of Technique-Focused Training in Conjunction with Physical Readiness Training on Army Physical Fitness Test Performance. *AMEDD Journal.* In Press.
13. Allen CS, Sheehan RC, Deyle GD, Wilken JS, Gill NW. A Manual Physical

- Therapy Intervention that Improves Knee Osteoarthritis Symptoms also Decreases Fall Risk Measures. *Physiotherapy Theory and Practice* 2017. In Press.
14. Lester ME, Cavanaugh JT, Foreman KB, Shaffer SW, Marcus R, Dibble LE. Postural Control Adaptation in Parkinson Disease: Effect of Repeated Vestibular Sensory Illusion on Performance During an Anticipatory Postural Task. *Hum Mov Sci*. In Review
  15. Paul SS, Walther RG, Beseris EA, Dibble LE, Lester ME. Discriminating Head on Trunk Motion Using Inertial Wearable Sensors. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*. Aug 2017. Epub ahead of print
  16. Lester ME, Cavanaugh JT, Foreman KB, Shaffer SW, Marcus R, Dibble LE. Adaptation of Postural Recovery Responses to a Vestibular Sensory Illusion in Individuals with Parkinson Disease and Healthy Controls. *Clin Biomechanics*. Aug 2017. Epub ahead of print
  17. Paul SS, Dibble LE, Walther RG, Shelton C, Gurgel RK, Lester ME. Characterization of Head-Trunk Coordination Deficits Following Unilateral Vestibular Hypofunction using Wearable Sensors. *JAMA Otolaryngology–Head & Neck Surgery*. Aug 2017. Epub ahead of print
  18. Paul SS, Lester ME, Foreman KB, Dibble LE. Validity and Reliability of Two-Dimensional Software for Quantifying Postural Deficits in Adults With and Without Neurological Impairment. *Anat Record*. 2016 299(9):1165-73.
  19. Baker SE, Painter EE, Morgan BC, Kaus AL, Petersen EJ, Allen CS, Deyle GD, Jensen GM. Systematic Clinical Reasoning in Physical Therapy (SCRIPT): Tool for the Purposeful Practice of Clinical Reasoning in Orthopaedic Manual Physical Therapy. *Phys Ther*. 2017 Jan 1; 97(1):61-70.
  20. Thelen MD, Koppenhaver SL, Bolduc M, Allen S, Quan R, Sidwell A. Real Time Inter-rater Reliability of the Musculoskeletal Readiness Screening Tool. (In press: US Army Med Dep J)
  21. Hearn D, Rhon D, Goss D, Thelen M. Evaluation of a Novel Field Expedient Musculoskeletal Readiness Screening Tool in an Army Basic Training Population. *Military Medicine*, 182, 7/8:e1862, 2017.

B. Published Abstracts:

1. Croy T, Young BA, McLaughlin K, Allen I, Lilley S, Bulen J. Posterior mobilization of the talus may not result in talar positional changes: Investigation into ankle manual therapy. *J Orthop Sports Phys Ther*. 2017, 47(1); A8.
2. Barth E, Koppenhaver S, Davis A, Eberle L, Proulx L, Young BA, Hebert J. Low back pain is associated with increased resting stiffness of the lumbar muscles: a shear wave elastography imaging study. *J Orthop Sports Phys Ther*. 47(1); A63.
3. Young BA, Kasprisin CM, Merriam M, McNeal R, Harms C, Painter E, Lester ME, Koppenhaver S. Criterion validity of shear wave elastography compared to electromyography to assess lumbar multifidus activation. *J*

- Orthop Sports Phys Ther. 47(1); A160.
4. Weaver A, Koppenhaver S, Rnadall T, Hollins R, Proulx L, Young BA, Hebert J, Fernandez de las Penas C. The effect of dry needling on spinal muscle function, pain, and disability in individuals with mechanical low back pain: A double-blind randomized controlled trial using shear wave elastography. *J Orthop Sports Phys Ther.* 47(1); A155.
  5. Kniss JR, Young BA, Painter E, Ortiz TE. Subchondral insufficiency fracture of the femoral head in a 59-year-old female: a case study. *J Orthop Sports Phys Ther.* 47(1); A107.
  6. Griffiths BD, Richardson JB, Young BA. Femoral Vein Deep Vein Thrombosis in an Adult Male. *J Orthop Sports Phys Ther.* 47(1); A183.
  7. Boland DM, Dolezal BA, Garfinkel A, Cooper CB. Correlation of BDNF and Irisin with Aerobic Fitness and Cognition in Graduate Students. ACSM Annual Conference, Denver, CO 2017.
  8. Briggs RA, Houck JR, Drummond MJ, Fritz JM, LaStayo PC, Marcus RL. Training Improves Muscle Function, Symmetry During a Sit-to-Stand Task, and Physical Function following Hip Fracture –MHSRS, 2017.
  9. Briggs R, Lemon D, Coakwell C, Farlik I, Sieff O, Chinevere T, Scott J, Williams B. Reduction in Servicemember Musculoskeletal Injury Risk due to the Functional Injury Reduction Strength Training (FIRST) Program - MHSRS, 2017.
  10. Lilley S, Croy T et al. Posterior mobilization of the talus may not results in talar positional changes: Investigation into ankle manual therapy. *J Orthop and Sports PT* 47(1), A8-A9, 2017.
  11. Morel T, Croy T, Tragord B, Shaffer S. Use of musculoskeletal ultrasound imaging to aid in the diagnosis of suprascapular neuropathy: A case report. *J Orthop and Sports PT* 47(1), A126, 2017.
  12. Humphrey A, Schumer R, Croy T. The clinical use of musculoskeletal ultrasound in the management of anterolateral ankle impingement: A case report. *J Orthop and Sports PT* 47(1), A102, 2017.
  13. Robbins DP, Cobian DG, Yack HJ, Williams GN. Low-cost Wearable Accelerometers Detect Significant Asymmetries in Lower Extremity Mechanics after ACL Reconstruction *Journal of Orthopaedic and Sports Physical Therapy.* 2017. 47(1), A50.
  14. Robbins DP, Cobian DG, Yack HJ, Williams GN. Measurement of Single-leg Vertical Hop Height after ACL Reconstruction using Wearable Accelerometers *Journal of Orthopaedic and Sports Physical Therapy.* 2017. 47(1), A50.
  15. Cobian DG, Robbins DP, Yack HJ, Williams GN. Leg press power and Quadriceps Rate of Force Development are Associated with Reduced Knee Joint Moments and Powers, Hop Performance, and Patient-based Outcomes 4 to 12 Months after Anterior Cruciate Ligament Reconstruction *Journal of Orthopaedic and Sports Physical Therapy.* 2017. 47(1), A36.

### C. Platform Presentations:

1. Ambler S. Green-Guerrero H. Heick J. Johansn M. Jol A. Matsui I. Young B. Primary Care Roles of Physical Therapists: The Perspective. (Platform NEXT 2017)
2. Boissonnault WG. Boyles R. Elliott J. Gorman I. Hazle C. Rodda BJ. Young, BA. Imaging in Physical Therapy – from Classroom to Clinical Practice. (Platform CSM 2017)
3. Young BA. Rhon D. Taylor G. Lee I. Dixon J. Living the future: Impact of direct access physical therapy in the US Military Health System. (Platform CSM 2017)
4. Croy T. Young BA. McLaughlin K. Allen I. Lilley S. Bulen J. Posterior mobilization of the talus may not result in talar positional changes: Investigation into ankle manual therapy. (Platform CSM 2017)
5. Lilley S, Croy T et al. Posterior mobilization of the talus may not results in talar positional changes: Investigation into ankle manual therapy. APTA Combined Sections Meeting, 2017,
6. Croy T, Baker S, Painter E. Ultrasound imaging in plantar heel pain. APTA Combined Sections Meeting, 2017, Federal Section, San Antonio, TX.
7. Robbins DP, Cobian DG, Yack HJ, Williams GN. Low-cost Wearable Accelerometers Detect Significant Asymmetries in Lower Extremity Mechanics after ACL Reconstruction (Platform Presentation). Combined Sections Meeting, American Physical Therapy Association, 2017. San Antonio, TX.
8. Robbins DP, Cobian DG, Yack HJ, Williams GN. Measurement of Single-leg Vertical Hop Height after ACL Reconstruction using Wearable Accelerometers (Platform Presentation). Combined Sections Meeting, American Physical Therapy Association, 2017. San Antonio, TX.
9. Cobian DG, Robbins DP, Yack HJ, Williams GN. Leg press power and Quadriceps Rate of Force Development are Associated with Reduced Knee Joint Moments and Powers, Hop Performance, and Patient-based Outcomes 4 to 12 Months after Anterior Cruciate Ligament Reconstruction (Platform Presentation). Combined Sections Meeting, American Physical Therapy Association, 2017. San Antonio, TX.

### D. Poster Presentations:

1. Barth E. Koppenhaver S. Davis A. Eberle L. Proulx L. Young BA. Hebert J. Low back pain is associated with I creased resting stiffness of the lumbar muscles: a shear wave elastography imaging study. (Poster CSM 2017)
2. Young BA. Kasprisin CM. Merriam M. McNeal R. Harms C. Painter E. Lester ME. Koppenhaver S. Criterion validity of shear wave elastography compared to electromyography to assess lumbar multifidus activation. (Poster CSM 2017)
3. Weaver A. Koppenhaver S. Rnadall T. Hollins R. Proulx L. Young BA. Hebert J. Fernandez de las Penas C. The effect of dry needling on spinal

- muscle function, pain, and disability in individuals with mechanical low back pain: A double-blind randomized controlled trial using shear wave elastography. (Poster CSM 2017)
4. Kniss JR, Young BA, Painter E, Ortiz TE. Subchondral insufficiency fracture of the femoral head in a 59-year-old female: a case study. (Poster CSM 2017)
  5. Griffiths BD, Richardson JB, Young BA. Femoral Vein Deep Vein Thrombosis in an Adult Male. (Poster CSM, 2017)
  6. Boland DM, Dolezal BA, Garfinkel A, Cooper CB. Correlation of BDNF and Irisin with Aerobic Fitness and Cognition in Graduate Students. ACSM Annual Conference, Denver, CO 2017. (Poster)
  7. Briggs RA, Houck JR, Drummond MJ, Fritz JM, LaStayo PC, Marcus RL. Training Improves Muscle Function, Symmetry During a Sit-to-Stand Task, and Physical Function following Hip Fracture – (Poster MHSRS, 2017)
  8. Briggs R, Lemon D, Coakwell C, Farlik I, Sieff O, Chivevere T, Scott J, Williams B. Reduction in Servicemember Musculoskeletal Injury Risk due to the Functional Injury Reduction Strength Training (FIRST) Program. – (Poster MHSRS, 2017)
  9. Roth J, Croy T. Metatarsal fracture found during musculoskeletal screening initiative. Army Medical Department Graduate School Faculty Development and Research Symposium. July 19, 2017.
  10. Morel T, Croy T, Tragord B, Shaffer S. Use of musculoskeletal ultrasound imaging to aid in the diagnosis of suprascapular neuropathy: A case report. APTA Combined Sections Meeting, 2017,
  11. Humphrey A, Schumer R, Croy T. The clinical use of musculoskeletal ultrasound in the management of anterolateral ankle impingement: A case report. Army Medical Department Graduate School Faculty Development and Research Symposium. July 19, 2017.
  12. Humphrey A, Schumer R, Croy T. The clinical use of musculoskeletal ultrasound in the management of anterolateral ankle impingement: A case report. APTA Combined Sections Meeting, 2017
  13. Hamilton J, Croy T, Davis R, Rogers J: Comparison Between Two Methods of Recruiting and Admitting US Army-Baylor University DPT Applicants: A Business Case Analysis. APTA Combined Sections Meeting (Federal Section), San Antonio, TX, 2017.
  14. Hoppes CW, Lambert K, Scherer M, Gottshall K. Military Vestibular Assessment and Rehabilitation: A Descriptive Study of a Continuing Education Course, American Physical Therapy Association Combined Sections Meeting, San Antonio, TX, Feb 2017 (Poster).
  15. Lester ME, Croy T, Diebal-Lee A, Humphrey A, LaKowski M, Licursi F, Milke A, Shaffer SW. Use of Injury Surveillance and Physical Performance Testing to Identify Unreported High Risk Injuries in Soldiers During Advanced Individual Training. Poster Presentation at the 2017 AMEDD Center and School Graduate School Faculty Development and Research Symposium, San Antonio, TX
  16. Lester ME, Croy T, Diebal-Lee A, Loehr L, Maxfield J, Pritt A, Paris-Ferrer

- T, Shaffer SW. Use of Injury Reporting and Performance Measures to Screen Soldiers During Advanced Individual Training. Poster Presentation at the 2017 AMEDD Center and School Graduate School Faculty Development and Research Symposium, San Antonio, TX
17. LaKowski M, Loehr L, Maxfield J, Milke A, Humphrey A, Diebal-Lee A, Croy T, Shaffer SW, Lester ME. Self-reported Injury Prevalence and its Relationship to Pain with Movement Screening Tests. Poster Presentation at the 2017 AMEDD Center and School Graduate School Faculty Development and Research Symposium, San Antonio, TX
  18. Humphrey A, Licursi F, Paris-Ferrer T, Pritt A, Shaffer SW, Croy T, Diebal-Lee A, Lester ME. Interrater Reliability of Pain with Movement Screening Items in Advanced Individual Training Soldiers. Poster Presentation at the 2017 AMEDD Center and School Graduate School Faculty Development and Research Symposium, San Antonio, TX
  19. Lester ME, Paul SS, Dibble LE. Utility of Portable Video Technologies to Discriminate Alterations in Postural Control. Poster Presentation at the 2017 TATRC Open House, Ft. Detrick, MD
  20. Serene Paul SS, Dibble LE, Walther R, Shelton C, Gurgel R, Lester ME. Head Kinematics and Head-Trunk Coordination in People with and without Vestibular Hypofunction. Platform Presentation at the 2017 Gait and Movement Analysis Society Annual Meeting, Salt Lake City, UT
  21. Lester ME, Croy T, Diebal-Lee A, Humphrey A, LaKowski M, Licursi F, Milke A, Shaffer SW. Use of Injury Surveillance and Physical Performance Testing to Identify Unreported High Risk Injuries in Soldiers During Advanced Individual Training. Poster Presentation at the 2017 American Physical Therapy Association Combined Sections Meeting, San Antonio, TX
  22. Lester ME, Croy T, Diebal-Lee A, Loehr L, Maxfield J, Pritt A, Paris-Ferrer T, Shaffer SW. Use of Injury Reporting and Performance Measures to Screen Soldiers During Advanced Individual Training. Poster Presentation at the 2017 American Physical Therapy Association Combined Sections Meeting, San Antonio, TX
  23. LaKowski M, Loehr L, Maxfield J, Milke A, Humphrey A, Diebal-Lee A, Croy T, Shaffer SW, Lester ME. Self-reported Injury Prevalence and its Relationship to Pain with Movement Screening Tests. Poster Presentation at the 2017 American Physical Therapy Association Combined Sections Meeting, San Antonio, TX
  24. Humphrey A, Licursi F, Paris-Ferrer T, Pritt A, Shaffer SW, Croy T, Diebal-Lee A, Lester ME. Interrater Reliability of Pain with Movement Screening Items in Advanced Individual Training Soldiers. Poster Presentation at the 2017 American Physical Therapy Association Combined Sections Meeting, San Antonio, TX
  25. Lester ME, Paul SS, Dibble LE. Utility of Portable Video Technologies to Discriminate Alterations in Postural Control. Poster Presentation at the 2016 TATRC General Officer Day, Ft. Detrick, MD
  26. Painter EE. "Upper Lumbar Radiculopathy Contributing to Chronic Knee Pain in a Patient with Ehlers-Danlos Syndrome." Poster Presentation,

AMEDD Center & School Graduate Research Day, San Antonio, TX JUL 2017

27. Roberts H, Hoppes C, Del Toro Y, Lambert K. Normative values for the Head-Shake Sensory Organization Test in the military population. Poster presentation at American Physical Therapy Association Combined Sections Meeting, Feb. 17, 2017.
28. Sander TC, Thelen MD, Stehlik AM, Bruno MH, Piekarczyk HC, Moore JH. Health related outcomes associated with care provided by post-didactic physical therapy interns. APTA Combined Sections Meeting, February, 2017.

E. Grant Funding Awarded: (Total: \$4,095,911.00)

1. Koppenhaver S, Hoppes C, Gill N, Huppert T, Koppenhaver N. \$242,410. Feasibility of near-infrared spectroscopy to measure cortical pain pathway (brain) activation during dry needling. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. 2016-2018.
2. Koppenhaver S, Rodriguez P, Proulx L, Rhon D. \$211,565. Using structural health monitoring to improve diagnosis and treatment of pelvic pain in female Service Members using a novel handheld device. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. 2016-2018.
3. Clewley D, Koppenhaver S, Flynn T. \$7,000. Effect of dry needling on pain and function in the management of subacromial impingement syndrome: a randomized controlled trial. American Academy of Orthopedic and Manual Physical Therapy (AAOMPT) Cardon Grant. 2016-2018.
4. Rhon D, Koppenhaver S, Gill N. \$221,625. Mobile delivery of prescription opioid reduction strategies in patients undergoing lower extremity musculoskeletal surgery: Feasibility and impact on long-term opioid utilization. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. 2016-2017
5. Koppenhaver S, Whitehurst R, Goss D, Hearn D, Albin S. \$221,668. Using Shear Wave Elastography to Assess for Physiologic Changes after Blood Flow Restriction Training in Patients with Chronic Achilles Tendinopathy. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. 2016-2017.
6. Koppenhaver S, Miller J, Bujak B, Westrick R, Albin S. \$224,000. Preventing Biomechanical and Neuromuscular Consequences after Traumatic Ankle and Foot Fractures: An Exploratory Investigation of Manual Therapy and Dry-needling Intervention. Joint Program Committee 5 (JPC-5) Defense Health Program (DHP) Musculoskeletal Injury Prevention Award. 2015-2017.
7. Robbins D. Retired Army Medical Specialist Corps Endowment for Scholarly Activity \$2,000
8. Allen C, Robbins D, Deyle G. \$108,000. The use of Instrumented Outcome



- Measures to assess habitual physical activity and sleep quality in patients with osteoarthritis of the knee. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. Co-Principle Investigator. 2017-2019
9. Lester ME, Robbins, D, Diebal A, Morris J. \$222,000. Development of a Modular Assessment Suite to Quantify Running-Related Biomechanical Markers Associated with Lower Extremity Injury Risk in Clinical Settings. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. 2017-2019
  10. Lester ME, Croy T, Gill N. \$244,960. Feasibility of a Clinically Oriented, 360 Degree Camera Array Produced Virtual Environment. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. 2016-2018
  11. Diebal A, Lester ME. \$170,000. Feasibility of a Force-Sensing Insole to Measure and Monitor Foot-Strike Patterns in Running Gait to Mitigate Injury. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. 2016-2018
  12. Shaffer S, Lester ME, Dibble LE. \$248,700. Community based measurement of instability and exposure in persons with postural instability. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. 2016-2018
  13. Wilken JM, Tulsy DS, Shaffer SW, Houck K, Hill OT. \$1,552,483. "Maximizing Outpatient Rehabilitation Effectiveness (MORE)." Awarded December 2013-2018. BADER Consortium.
  14. Lester ME, Dibble LE. \$212,500. Feasibility of Accelerometry to Discriminate Alterations in Postural Control Following Vestibular Insult. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. 2015-2017
  15. Morris J, Lester ME, Boland D. \$170,000. In-field Gait Retraining to Reduce Reoccurrence of Lower Extremity Injuries: A Randomized Controlled Trial. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. 2018-2020
  16. Robbins DP. \$37,000 Feasibility of Objectively-measured Habitual Behavior in Explaining Early Dysfunction of the Quadriceps Muscles after ACL-Reconstruction Surgery. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. 2017-2018

F. Invited Lectures:

1. Hoppes CW, Whitney SL. "Differential diagnosis of a person with dizziness: Thoughts for consideration," Doctor of Physical Therapy Program, University of Pittsburgh, Pittsburgh, PA, January 2017.
2. Lester ME. "Statistical Testing" U.S. Army Medical Specialist Corps COL Mary Lipscomb Hamrick Research Post-Graduate Professional Short Course 2017.

3. Painter EE. "Introduction to Clinical Electrophysiological Testing: Electromyography and Nerve Conduction Studies." Invited lecturer, 2017 Evaluation and Treatment of Upper Extremity Disorders Course (7H) for Occupational Therapists. San Antonio, TX JUL 2017
4. Painter EE. "Shoulder and Upper Quarter Screening and Examination" Invited lecturer, 2017 Evaluation and Treatment of Upper Extremity Disorders Course (7H) for Occupational Therapists. San Antonio, TX JUL 2017
5. Painter EE. "Manual Therapy for Plantar Heel Pain," APTA Combined Sections Meeting, San Antonio, TX FEB 2017
6. Condon R, Painter E. "Manual Physical Therapy for Upper Extremity Neuropathy: A clinically reasoned approach." AAOMPT National Conference, Salt Lake City, UT, OCT 2017

G. Academic or Research Awards:

1. Lester ME, et al. COL David G. Greathouse Research Award 2017

**III. Army-Baylor Graduate Program in Health & Business Administration (MHA-MBA)**

A. Publications:

1. Hawkins, WL, Reiter, KL, and Pink, GH. Reassessing Financial Peer Groups for CAHs, Flex Monitoring Team Policy Brief # 44, November 2016
2. Hawkins, WL, Reiter, KL, and Pink, GH. Peer Group Factors Related to the Financial Performance of Critical Access Hospitals, Journal of Health Care Finance, Spring 2017, 1-24.
3. Richter, J., Downs, L., Beauvais, B., The Impact of Open Access Appointing on Patient Satisfaction; Quality Management in Healthcare, 26(1): 22-28, January/March 2017
4. Beauvais. B., Richter, J., Downs, L., Brezinski, P., The Influence of CAHME Accreditation Findings on Length of Healthcare Management Program Accreditation; accepted in Journal Healthcare of Healthcare Administration Education for publication April 2017
5. Hartstein, B., Jones, A. Downs, L; Impact of a Nurse Advice Line on Non-Urgent Visits to the Emergency Department; Rewrite and resubmit to Annals of Emergency Medicine, Resubmit October 2017

B. Published Abstracts: None

C. Platform Presentations

1. Peacock, T.A., Ito, K., & Asakawa, K. "A study of profitability and competitiveness of U.S. and Japanese defense contractors." Academy of

- Management Annual Meeting in Atlanta Georgia, 2017 (discussion paper session).
2. Budde-Sung, A.E.K., & Peacock, T.A. "Climate-economic theory and the pattern of foreign subsidiary formation: Implications for U.S. military readiness" 6th Annual Graduate School Faculty Development & Research Symposium in San Antonio, Texas, 2017.
  3. Budde-Sung, A.E.K., & Peacock, T.A. "Can't take the heat? Climate-economic theory and foreign subsidiary location." Academy of International Business Annual Meeting in Dubai, United Arab Emirates, 2017 (interactive session).
  4. Peacock, T.A., Ito, K., & Asakawa, K. "A study of Profitability and Competitiveness of U.S. and Japanese Defense Contractors." Association of Japanese Business Studies in Dubai, United Arab Emirates, 2017.
  5. Peacock, T.A., Ito, K., & Asakawa, K. "A study of Profitability and Competitiveness of U.S. and Japanese Defense Contractors." Academy of International Business Annual Meeting in Dubai, United Arab Emirates, 2017 (special session).

#### D. Poster Presentations

1. Boyle, Martin and Zucker, Karin. *Six States and the District of Columbia Now Permit Physician Assisted Death*, American College of Legal Medicine, Las Vegas, NV; 8<sup>th</sup> Annual Frontiers of Translational Science Research Day, University of Texas Health Science Center – San Antonio, San Antonio, TX; and Graduate School Research Day, Army Medical Department Center and School, Ft. Sam Houston, TX
2. Gidwani, Jessica and Zucker, Karin. *The Department of Defense and the Department of Veterans Affairs Need a Policy on Surrogacy*, American College of Legal Medicine, Las Vegas, NV
3. Houhoulis, Peter, Rogers, Jill and Zucker, Karin. *The Ethics of Using Secret Shoppers / Patients in Healthcare: Applying the Army-Baylor 7-Step Model for Organizational Decision-Making*, American College of Legal Medicine, Las Vegas, NV
4. Hurtle, Steven, Walz, Tiara, Zucker Karin and Boyle, Martin. *The Value of Organizational Ethics Committees in Healthcare Organizations*, American College of Legal Medicine, Las Vegas, NV
5. Levenson, Jonathan, Hamilton, Elizabeth, Stressman, Stephanie and Zucker, Karin. *Is it Ethical to Exclude Obesity as a Disability?* American College of Legal Medicine, Las Vegas, NV
6. Levenson, Jonathan and Zucker, Karin. *The Practical Distinction between Living Wills and Physician (Pennsylvania) Orders for Life-Sustaining Treatment (POLST)*, American College of Legal Medicine, Las Vegas, NV
7. Nold, James, Zucker, Karin and Boyle, Martin. *Moments in Medical-Legal History: Presidents Lincoln and Taft on Medical Malpractice*, American College of Legal Medicine, Las Vegas, NV

8. Poster presentation at the Graduate School Research Day Symposium, July 2017, title: 'Understanding Patient Satisfaction in the MHS: A Review of the Literature.' Jones, A., Downs, L., Campbell, M.
9. Poster presentation at the Graduate School Research Day Symposium, July 2017, title: 'Understanding the impact of a No-Show Policy on Medical Appointments.' Downs, L, Smart, J., Tyndall, S., Nicol, S.
10. Poster presentation at the Graduate School Research Day Symposium, May 2016 title: 'The Leadership Challenge Cross-walked to Attributes of High Reliability Organizations' Johnson, L, Downs, L., Mangelsdorff, A.D.
11. Poster presentation at the Graduate School Research Day Symposium, May 2016, Impact of a Nurse Advice Line on Non-Urgent Visits to the Emergency Department; Hartstein, B., Jones, A. Downs, L;
12. Poster presentation at the Graduate School Research Day Symposium, May 2016, The Effects of CAHME Accreditation Findings on Healthcare Management Program; Stowe, J and Downs, L.
13. Poster presentation at the Graduate School Research Day Symposium, May 2016, The Impact of Open Access Appointments on Patient Satisfaction, Huynh, P, Richter, J., Downs, L.
14. Poster presentation at the Association of University Program in Health Administration (AUPHA) June 2016 title: 'The Leadership Challenge Cross-walked to Attributes of High Reliability Organizations' Johnson, L., Downs, L
15. Walters, J.D., Rosser, S.L., & Peacock, T.A. "Valuation of the Army-Baylor Emergency Medicine Physician Assistant Residency Program." 6th Annual Graduate School Faculty Development & Research Symposium in San Antonio, Texas, 2017 (poster presentation).
16. Zucker, Karin and Swift, Douglas. *Cultural Considerations: "Heaven Help Us!"* American College of Legal Medicine, Las Vegas, NV and 8<sup>th</sup> Annual Frontiers of Translational Science Research Day, University of Texas Health Science Center – San Antonio, San Antonio, TX
17. Zucker, Karin, Boyle, Martin and Topinka, Joseph. *Roe v. Wade*, Annual Frontiers of Translational Science Research Day, University of Texas Health Science Center – San Antonio, San Antonio, TX; and Graduate School Research Day, Army Medical Department Center and School, Ft. Sam Houston, TX

E. Grant Funding Awarded: None

F. Ongoing Projects:

1. W Lin, WL Hawkins, and GH Pink, Micro Perspective of BSCs in U.S. Health Care, Journal of Healthcare Balanced Scorecard Research, forthcoming.
2. W Lin, WL Hawkins, and GH Pink, Macro Perspective of Sustainable BSCs in U.S. Health Care, Journal of Healthcare Balanced Scorecard Research, forthcoming.

#### G. Invited Lecture:

1. AUPHA panel: Wood, S. Downs, L., Yarbrough, A., Johnson, C., Answering Call to Action: Exploring Healthcare innovation Through Engaged Scholarship in Health Administration Education June 2017 Annual meeting.

#### H. Academic or Research Awards:

1. Johnson, L., ACHE Federal Excellence in Healthcare Management Award (2015)
2. Peacock, T
  - a. Finalists, Palgrave Macmillan and AJBS Best Paper Award, Peacock, T.A., Ito, K., & Asakawa, K. "A study of Profitability and Competitiveness of U.S. and Japanese Defense Contractors." Association of Japanese Business Studies in Dubai, United Arab Emirates, 2017.
  - b. Best Research Abstract and Podium Presentation, Graduate School Research Day, Budde-Sung, A.E.K., & Peacock, T.A. "Climate-economic theory and the pattern of foreign subsidiary formation: Implications for U.S. military readiness" 6th Annual Graduate School Faculty Development & Research Symposium in San Antonio, Texas, 2017.
3. Sexton, D., Educator Award: Army-Baylor University Graduate Program in Health and Business Administration, 2016-17
4. Downs, L., Distinguished Faculty Service Award: Army-Baylor University Graduate Program in Health and Business Administration, 2016

### IV. Army Master in Social Work Program (MSW)

#### A. Publications:

1. Arincorayan, D., Applewhite, L., Garrido, M., Cashio, V. & Bryant, M. (2017). Resilience Enhancing Relationships: What We Can Learn from Those with a History of Adverse Childhood Experiences. *U.S. Army Medical Department Journal*, Jul-Sep
2. Applewhite, L., Arincorayan, D., & Adams, B. (2016). Exploring the Prevalence of Adverse Childhood Experiences in Soldiers Seeking Behavioral Healthcare during a Combat Deployment. *Military Medicine*, October.
3. Freeman, D. R. & Morrison, E.E. (2017). Spirituality in healthcare organizations. In E. Morrison & B. Furlong (eds.), *Health care ethics: Critical issues for the 21<sup>st</sup> century (4<sup>th</sup> ed)*. Boston: Jones & Bartlett Publishers.
4. Freeman, D. (2016). Family circles: Assessing family and spiritual connections with military clients. In T.L. Scales & M.S. Kelly (Eds.),

*Christianity and social work: Readings on the integration of Christian faith and social work practice* (5<sup>th</sup> ed.). (273-287). Botsford, CT: NACSW Press.

5. Freeman, D. (2016). Family circles: Assessing family and spiritual connections with military clients. *Social Work and Christianity: Journal of the North American Association of Christians in Social Work*, 43(3), 28-46.
6. Freeman, D. & Shaler, L. (2016). Introduction: Special issue on religious and spiritually-oriented interventions with veteran and military populations. *Social Work and Christianity*, 43(3), 1-5.
7. Georgoulakis, J. & Hallett, A. (2016). What Mental Health Providers Can Learn From Compliance Officers, *Journal of Compliance Today*, August.

B. Published Abstracts: None.

C. Platform Presentations:

1. Freeman, D. *Embracing spirituality in clinical supervision*. North American Association of Christians in Social Work 65<sup>th</sup> Annual Convention, Grand Rapids, MI. November 14, 2015
2. Vealey, B. *Double Duty: Roles and Issues of Women Serving in the U.S. Military*, 4th Annual Military Social Work Conference, University of Texas at Austin School of Social Work. Austin, TX. September 26, 2016.

D. Poster Presentations: None.

E. Grant Funding Awarded: None.

F. Invited Lectures:

1. Freeman, D. *Ethics and Supervision in Behavioral Health*. Fort Hood Social Work Month Training. Fort Hood, TX. March 16, 2017.
2. Freeman, D. *Ethical Practice in Behavioral Health*. Fort Hood Social Work Month Training. Fort Hood, TX. March 16, 2017.
3. Freeman, D. *Ethics and Supervision in Behavioral Health*. Jointbase Lewis-McChord Social Work Month Training. Jointbase Lewis-McChord, WA. March 10, 2017.
4. Freeman, D. *Ethical Decision Making in Behavioral Health*. Jointbase Lewis-McChord Social Work Month Training. Jointbase Lewis-McChord, WA. March 10, 2017.
5. Freeman, D. *Driven to attachment: Using family circles in substance abusing families*. Army Substance Abuse Program: Family Counseling Course. San Antonio, TX. February 13, 2017.
6. Freeman, D. *Driven to attachment: Using family circles in substance abusing families*. Army Substance Abuse Program: Advanced Counseling Course. San Antonio, TX. April 26, 2016.
7. Freeman, D. *Ethics in Field Education Supervision*. Army –Fayetteville State University MSW Program Field Instructor Training. San Antonio, TX.

December 2, 2015.

G. Academic or Research Awards: None.

## V. Interservice Physician Assistant Program (IPAP)

A. Publications:

1. Cordova, C. (IPAP Phase 2 Coordinator). The Role 1 Resuscitation Team and Resuscitative Endovascular Balloon Occlusion of the Aorta. Journal of Special Operations Medicine. (August 2017).
2. Miles, J. (IPAP Student). Nail-Patella Syndrome: Pathogenesis, Clinical Features and Management. Journal of Orthopedics for Physician Assistants. (April 2017)

B. Published Abstracts: None

C. Platform Presentations: None

D. Poster Presentations:

1. Bockmann, J. (IPAP Student). Between Law and Medicine: The Facts on Fetal Pain. Graduate School Research Symposium (July 2017).
2. Chandler, M. (IPAP Student). Crimean-Congo Hemorrhagic Fever: A Systematic Review of Current Preventative, Diagnostic and Treatment Practices. Graduate School Research Symposium (July 2017).
3. Darrow, K. (IPAP Student). Risky Alcohol Use Prevention in the Military. Graduate School Research Symposium. (July 2017).
4. Miltenberg, D. (IPAP Student). An Analysis of Current and Emerging Treatments for Advanced Inflammatory Spondyloarthritis. (July 2017)
5. Sahlberg, A. (IPAP Student). Glenohumeral Instability. Society of Army Physician Assistants Conference. (April 2017).

E. Grant Funding Awarded: None

F. Ongoing Projects:

1. Rosa, C. Diagnosing a Chylous Mesenteric Cyst via EUS-Guided FNA. SAMMC
2. Rosa, C. Process improvement project involving reducing out-of-network referrals at BJACH (Fort Polk).
3. Wallace, C. Comparing the clinical sensitivity and specificity of ophthalmic ultrasound for retinal detachment to the reported sensitivity and specificity landmark research.

G. Invited Lecture:

1. Booker, H. UTHSC PA Program, June 2017. (Application of Clinical Radiology)
2. Booker, H. Baylor Physical Therapy Program. Feb 2017. (Abdominal Exams)
3. Booker, H. COL Kersey Advanced Clinical and Operational Practice Course for Baylor Physical Therapy Program. Nov 2016. (Abdominal Exams).
4. Booth, M. Baylor Physical Therapy Program. July 2017. (Dermatology).
5. Guevara, V. Baylor Physical Therapy Program. Jan 2017. (ECG for DPT's).
6. Guevara, V. Air Force PA Refresher Course. Jan 2017. (Harvey Cardio Simulation-Heart Murmurs.)
7. Guevara, V. Baylor Physical Therapy Program. Feb 2017. (Abdominal Exams).
8. Harrison, S. Baylor Physical Therapy Program. Feb 2017. (Abdominal Exams).
9. Schultz, W. Air Force PA Refresher Course. Jan 2017. (Harvey Cardio Simulation-Heart Murmurs.)
10. Wallace, C. Baylor Physical Therapy Program. Feb 2017. (Abdominal Exams).
11. Wallace, C. Air Force PA Refresher Course. Feb 2017. (Point of Care Ultrasound.)

H. Academic or Research Awards: None

**VI. US Military Graduate Program in Nutrition (GPN)**

A. Publications:

1. Bartlett CG, Stankorb S. Physical performance and attrition among U.S. Air Force Trainees participating in the Basic Military Training Fueling Initiative. *Mil Med* 2017 Jan/Feb;182:1603-09
2. McClung HL, Champagne CM, Allen HR, McGraw SM, Young AJ, Montain SJ, Crombie AP. Digital food photography technology improves efficiency and feasibility of dietary intake assessments in large populations eating ad libitum in collective dining facilities. *Appetite*. 2017; 116:389-94.
3. Belanger BA, Kwon J. Factors Influencing Selection and Nutrient Intakes of Non-Training Army Dining Facility Patrons. *J Foodserv Manag Educ*. 2017; 11(1):5-13.
4. Barringer ND, Crombie AP. Chapter 6: Tactical Fueling. In *National Strength and Conditioning Association's Essentials of Tactical Strength and Conditioning*. 2017



B. Publications in Review / Press:

1. Barringer ND, Pasiakos SM, McClung HL, Crombie AP, Margolis LM. Predictive equation for total daily energy requirements of US Special Operations Forces. *Med Sci in Sport Exerc* (In Review).
2. Bustillos BD, Sharkey JR. "I try to keep that sugar down." Experiences of homebound older adults with type 2 diabetes: Barriers to self-management. *Journal of Nutrition in Gerontology and Geriatrics*, 2017; (In Review).

C. Platform Presentations: None

D. Poster Presentations:

1. Bustillos, B.D., Sharkey, J.R. Nutrition Resource Associations with Food Security Parameters among Mexican-Heritage Seniors: A Structural Equation Model Analysis. Academy of Nutrition and Dietetics Food & Nutrition Conference & Expo (FNCE), Boston, MA (2016). Poster Session: Wellness and Public Health, October 2016.
2. Shields, B.A., Carpenter, J., Rowan, M., Jordan, A., Vega, S., Rizzo, J., Bustillos, B., Gurney, J., Cancio, L. The Relationship Between Nutritional Intake, Rehabilitation Activity, and Severity of Illness in Critically Ill Burn Patients. American Society for Parenteral and Enteral Nutrition, Nutrition Week 2017. Poster Session: Critical Care and Critical Health Issues, February 2017.
3. Lopera, J., Bustillos, B.D., Schmitz, K. The Relationship Between Food Insecurity, Weight Status, and Diet Quality Among Active Duty Service Members at a Large Military Installation. Experimental Biology, Chicago, IL (2017). Poster Session title- Food Security and Its Connections to Nutrition and Health, April 2017.
4. Bukhari AS, Caldwell J, DiChiara AJ, Merrill EP, Wright AO, Lieberman HR. Army Aircrew Members Perspectives on Use Of Dietary Supplements And Energy Drinks. 27-30 August 2017, Military Health System Research Symposium (MHSRS), Orlando/Kissimmee, FL, and Aerospace Medical Association (AsMA) 88th Annual Scientific Meeting, 29 April-4 May, 2017, Denver CO.
5. Meyer SA, Cole RE. Excess Soldier Body Fat Upon Entry Into the Army Body Composition Program May Pose Challenges to Military Readiness. 27-30 August 2017, Military Health System Research Symposium (MHSRS), Orlando/Kissimmee, FL.
6. Cole RE, Beavert CM, Meyer SA. Healthy Eating Score and Intuitive Eating Behaviors of Soldiers Newly Enrolled in the Army Body Composition

- Program. 27-30 August 2017, Military Health System Research Symposium (MHSRS), Orlando/Kissimmee, FL.
7. Merrill EP, DiChiara AJ, Wright AO, Hatch AM, Cole RE, McGraw SM, Montain SJ, Lieberman HR, Bukhari AS. Demographic Predictors of Individual Differences in Coping Behaviors of Soldiers. March 29-April 1, 2017, The 38th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine,
  8. Cardenas AL, Pruziner AL, Bukhari AS, Teachout JD, Schaad KA, Andrews AM. A relationship exists between lean body mass and resting energy expenditure in the first 12 months after traumatic limb loss. Maryland Academy of Nutrition and Dietetics. Bethesda, MD, 12 May 2017.
  9. Teachout JD, Pruziner AL, Bukhari AS, Schaad KA, Cardenas AL, Andrews AM. Unilateral transtibial limb loss results in higher energy expenditure during ambulation. Maryland Academy of Nutrition and Dietetics. Bethesda, MD, 12 May 2017.
  10. Schaad KA, Pruziner AL, Bukhari AS, Teachout JD, Cardenas AL, Andrews AM. Trunk adiposity increases in the first 12 months after unilateral and bilateral limb loss. Maryland Academy of Nutrition and Dietetics. Bethesda, MD, 12 May 2017.
  11. Crews SA. Energy estimation for service members following traumatic limb loss. 17-18 July, Annual AMEDDC&S HRCoE Graduate School Research Symposium, Lackland Air Force Base, TX.
  12. Graziano TA. Barriers to implementation in nutrition and public health interventions: A review of process evaluations. 7-18 July, Annual AMEDDC&S HRCoE Graduate School Research Symposium, Lackland Air Force Base, TX.
  13. Grudi LR. The effect of sleep, activity and nutrition on body composition. 17-18 July, Annual AMEDDC&S HRCoE Graduate School Research Symposium, Lackland Air Force Base, TX.
  14. Jarmer EL. Effect of macronutrient composition of diet on urine urea nitrogen, a marker of nitrogen metabolism. 17-18 July, Annual AMEDDC&S HRCoE Graduate School Research Symposium, Lackland Air Force Base, TX.
  15. Kotnour TJ. The effect of the Performance Triad on biochemical markers of health in a military population. 17-18 July, Annual AMEDDC&S HRCoE Graduate School Research Symposium, Lackland Air Force Base, TX.
  16. Larsen DE. Evaluation fo the current literature assessing diet quality of Active Duty US Soldiers. 17-18 July, Annual AMEDDC&S HRCoE Graduate School Research Symposium, Lackland Air Force Base, TX.
  17. Rice EC. The impact of nutritional labeling on food choice. 17-18 July, Annual AMEDDC&S HRCoE Graduate School Research Symposium, Lackland Air Force Base, TX.
  18. Thornton CA. Understanding factors affecting physical activity and diet quality among military personnel with limb loss. 17-18 July, Annual AMEDDC&S HRCoE Graduate School Research Symposium, Lackland Air Force Base, TX.

19. Williams SJ. Barriers and facilitators of Go for Green implementation in Army dinign facility staff. 17-18 July, Annual AMEDDC&S HRCoE Graduate School Research Symposium, Lackland Air Force Base, TX.
20. Coleman A, Chizoba C, Langlois K, Dimatulac A, Belanger B. Assessing Implementation Fidelity of Go for Green, a Military Performance Nutrition Initiative. Proceedings of 2017 Society for Nutrition Education and Behavior (SNEB) Annual Conference, July 2017.
21. DiChiara AJ, Merrill EP, Wright AO, Hatch AM, Cole RE, McGraw SM, Montain SJ, Lieberman HR, Bukhari AB. Awareness and misconceptions of dietary supplement health risks among soldiers. Proceedings of 2017 Society for Nutrition Education and Behavior (SNEB) Annual Conference, July 2017.

E. Grant Activity: None

F. Invited Lectures:

1. Arsenault J. Nutrition During Disaster Relief. IPAP Sophomore Class JBSA, 25 Jul 2017. JBSA, San Antonio, TX.
2. Barringer N. Exercise Testing. DPT Program, 18-20 Dec 2016. JBSA, San Antonio, TX.
3. Crombie A. Dietary Supplements for Providers. IPAP Sophomore Class JBSA, 30 Nov 2016, 26 Jan 2017. San Antonio, TX.
4. Crombie A. Nutrition Assessment During Disaster Relief. IPAP Sophomore Class JBSA, 06 Dec 2016, 24 Jan 2017. JBSA, San Antonio, TX.
5. Crombie A. Nutrition Assessment During Complex Humanitarian Emergencies. Military Medical Humanitarian Assistance Course. 19-20 Jun 2017. Brooke Army Medical Center, JBSA, San Antonio, TX.
6. Crombie A. Performance Nutrition. In Performance Triad University, 12 Dec 2016. JBSA, San Antonio, TX.
7. Crombie A. Performance Nutrition. AMEDDC&S HRCoE NCOPD, 31 May 2017. JBSA, San Antonio, TX.
8. Kieffer A. Introduction to Performance Nutrition. IPAP Sophomore Class. 30 Nov 2016. JBSA, San Antonio, TX.
9. Kieffer A. Introduction to Performance Nutrition. DPT Program, 15 May 2017. JBSA, San Antonio, TX.
10. Kieffer A. Dietary Supplements for Providers. DPT Program, 16 May 2017. JBSA, San Antonio, TX.
11. Meyer S. What is a Registered Dietitian Briefing for DPT Students, 13 Feb 2017. JBSA, San Antonio, TX.

## Hospital Based Programs

### VII. Army-Baylor University Doctoral Fellowship in Orthopaedic Manual Physical Therapy (D.Sc. PT)

#### A. Publications:

1. Baker SE, Painter EE, Morgan BC, Kaus AL, Petersen EJ, Allen CS, Deyle GD, Jensen GM. Systematic clinical reasoning in physical therapy (SCRIPT): tool for the purposeful practice of clinical reasoning in orthopedic manual physical therapy. *Phys Ther.* 2017; 97(1): 61-70.
2. Allen CS, Sheehan R, Deyle GD, Wilken JS, Gill NW. A Manual Therapy Intervention for Symptoms of Knee Osteoarthritis and Associated Falls Risk: A Case Series of Four Patients. *Physiotherapy Theory and Practice.* In Press.

#### B. Published Abstracts: None.

#### C. Platform Presentations:

1. Condon R, Allen C, Deyle G, Yancosek K, Greathouse D. Baker SE. Pragmatic Physical Therapy Treatment of the Upper Quarter for Electrodiagnostic Confirmed Carpal Tunnel Syndrome. American Physical Therapy Association Combined Sections Meeting. San Antonio, TX, February 2017.

#### D. Poster Presentations:

1. Condon R, Allen C, Deyle G, Yancosek K, Greathouse D. Baker SE. Pragmatic Physical Therapy Treatment of the Upper Quarter for Electrodiagnostic Confirmed Carpal Tunnel Syndrome AMEDDC&S Graduate School Research Symposium, San Antonio TX, 2017.
2. Durbin J, Deyle G, Allen C, Painter E, Dowd T. Manual Physical Therapy for Ankle Fracture Healing and Early Motion. AMEDDC&S Graduate School Research Symposium, San Antonio TX, 2017.
3. Painter E, Greathouse D. Upper Lumbar Radiculopathy Contributing to Chronic Knee pain in a Patient with Ehlers-Danlos Syndrome. AMEDDC&S Graduate School Research Symposium, San Antonio TX, 2017.
4. Wells B, Allen C, Deyle D, Croy T. Clinical Reasoning to Balance Ligament Healing and Early Motion in Lateral Ankle Sprains. AMEDDC&S Graduate School Research Symposium, San Antonio TX, 2017.

E. Grant Funding Awarded: (Total: \$272,000)

1. Allen CS, Deyle GD. \$174,000. The use of real-time feedback to improve learning of joint mobilization techniques for the knee. Telemedicine & Advanced Technology Research Center (TATRC) Army Advanced Medical Technology Initiative (AAMTI) Grant. 2016-2017
2. Allen C, Robbins D, Deyle G. \$98,000. The use of Instrumented Outcome Measures to assess habitual physical activity and sleep quality in patients with osteoarthritis of the knee. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. Co-Principle Investigator. Co-Investigator 2017-2019

F. Invited Lectures:

1. Allen C, Deyle G. Integration of Exercise and Manual Physical Therapy, a Worthy Challenge. American Academy of Orthopaedic Manual Physical Therapists, Annual Meeting. St. Louis, MO, October 2016.
2. Pickens B, Allen C. Arthrogenic Inhibition of the Quadriceps, Implications for Manual Therapy and Rehabilitation. American Academy of Orthopaedic Manual Physical Therapists, Annual Meeting. St. Louis, MO, October 2016.

G. Academic or Research Awards:

1. Elizabeth E. 2017 SAUSHEC Clinical Excellence Educator Award.

**VIII. Doctorate in Physical Therapy - Sports Medicine (D.Sc. PT)**

A. Publications:

1. Dolbeer J, Mason J, Morris J, Crowell M, Goss D. The Inter-Rater Reliability of the Selective Functional Movement Assessment (SFMA) by SFMA Certified Physical Therapists With Similar Clinical and Rating Experience. *Int J Sports Phys Ther.* 2017; 12(5); 752-765.
2. Dolbeer JA, Crowell MS, Goss DL. Extradural Cystic Lesion. *J Orthop Sports Phys Ther.* 2017 May; 47(5):36
3. Crowell MS, Dedekam E, Johnson MR, Dembowski S, Westrick RB, Goss DL. Utilization and Appropriateness of Diagnostic Imaging in a Direct-Access Sports Physical Therapy Clinic. *Int J Sports Phys Ther.* 2016;11(5);708-717.
4. Mason JS, Crowell M, Dolbeer J, Morris JB, Heger A, Johnson MR, Koppenhaver SK, Goss DL. The Effectiveness of Dry Needling and Stretching vs Stretching Alone on Hamstring Flexibility in Patients with Knee Pain: An RCT. *Int J Sports Phys Ther.* 2016;11(5):672-683.
5. Mendola JA, Johnson M, Goss DL, Fibular Fracture in a Female Rugby Player. *J Orthop Sports Phys Ther.* 2016;46(7): 608.

6. Crowell MS, Mason JS, Posner MA, Haley CA. Posterior Cruciate Ligament Injuries Associated with Military Survival Swim Training: A Case Series and Short Clinical Review. *Military Medicine*. 2017; 182(7), pp. e1924–e1928.
7. Crowell MS, Owens JG, Deyle GD, Gill NW, Skeletal Trauma Research Consortium (STReC). Manual Physical Therapy Combined with High-Intensity Functional Rehabilitation for Patients with Severe Lower Extremity Musculoskeletal Injuries: A Case Series. *Journal of Manual and Manipulative Therapy*. 2016;24:1;34-44.
8. Halle RJ. Jump Mechanics and Risk of Patellar Tendinopathy. *Lower Extremity Review* February. 2017
9. Stoltenberg BE, Goss DL. Metatarsal morphology and injury risk in runners. *Lower Extremity Review*. 2017;4-12.
10. Riebel M. Biomechanics of femoral neck fractures in runners. *Lower Extremity Review* (2017).
11. Riebel, M., Westrick, R., & Goss, D. (2016). Unstable Os Odontoideum. *Journal of Orthopaedic & Sports Physical Therapy*, 46(10), 930-930.

B. Abstracts:

1. Florkiewicz EM, Crowell MS, Dolbeer J, Zifchock B, Goss D. A Case-Series of Previously Injured Runners Transitioning to a Non-Rearfoot-Strike Running Pattern. *Journal of Orthopaedic and Sports Physical Therapy*. 2017; 47(1):A38.
2. Crowell MS, Dedekam, E, Johnson MR, Dembowski S, Westrick RB, Goss DL. Utilization and Appropriateness of Diagnostic Imaging in a Direct-Access Sports Physical Therapy Clinic. *International Journal of Sports Physical Therapy*. 2017; 47(1):A80-81.
3. Dolbeer J, Mason J, Morris J, Terry A, Crowell M, Goss D. Inter-rater reliability of the Selective Functional Movement Assessment (SFMA) by SFMA Certified Physical Therapists with Similar Clinical and Rating Experience. *Journal of Orthopaedic and Sports Physical Therapy*. 2017; 47(1):A178-179.
4. Mason J, Dolbeer J, Morris JB, Heger A, Johnson MR, Crowell MS, Koppenhaver SK, Goss DL. The Effectiveness of Dry Needling and Stretching vs Stretching Alone on Hamstring Flexibility in Patients with Knee Pain: An RCT. *Medicine and Science in Sports and Exercise*. 2016; 48 (5 Suppl 1):898.
5. Terry A, Dolbeer J, Mason J, Morris JB, Thelen MD, Johnson MR, Crowell MS, Goss DL. The Musculoskeletal Readiness Screening Tool- Injury Predictor for United States Military Academy Preparatory Cadets? *Medicine and Science in Sports and Exercise*. 2016; 48(5S Suppl 1):866.
6. Halle JS, Halle RJ. Pertinent Dry Needling Considerations For Minimizing Adverse Effects – Part One. *International Journal of Sports Physical Therapy*. 2016 Aug; 11 (4):651.
7. Halle JS, Halle RJ. Pertinent Dry Needling Considerations For Minimizing Adverse Effects – Part Two. *International Journal of Sports Physical*

Therapy. 2016 Oct; 11(5): 810.

C. Posters:

1. Smith A, Florkiewicz E, Goss D, Freisinger G, 2017. The Effect of Transitioning from a Rearfoot Strike Pattern to a Non-Rearfoot Strike Pattern on Running Impulses. American Society of Biomechanics Annual Meeting, Boulder, CO.
2. Reynolds A, Florkiewicz E, Goss D, Freisinger G, 2017. Effect of Transitioning Running Style from a Rearfoot to a Non-Rearfoot Strike Pattern Impulse Per Unit Distance. American Society of Biomechanics Annual Meeting, Boulder, CO.
3. Dolbeer, JA, Mason, JS, Morris, JB, Crowell MS, Goss DL, 2017. Inter-rater reliability of the Selective Functional Movement Screen Among Raters of Similar Experience. APTA Combined Sections Meeting, San Antonio, TX.
4. Morris JB, Goss DL, Florkiewicz EM, Davis IS, 2017. Using Real-Time Biofeedback to Alter Running Biomechanics: A Randomized Controlled Trial at the 1 Year Follow-Up. APTA Combined Sections Meeting, San Antonio, TX.
5. Crowell MS, Dedekam E, Johnson MR, Dembowski S, Westrick RB, Goss DL, 2017. Utilization and Appropriateness of Diagnostic Imaging in a Direct-Access Sports Physical Therapy Clinic. APTA Combined Sections Meeting, San Antonio, TX.
6. Wernecke CR, Florkiewicz EM, Morris JB, Goss DL, 2016. Evaluation of a Running Sock Designed to Provide Real-Time Biofeedback to Runners. American Society of Biomechanics Annual Meeting, Raleigh, NC.
7. Morris JB, Goss DL, Florkiewicz EM, Davis IS, 2016. Using Real-Time Biofeedback to Alter Running Biomechanics: A Randomized Controlled Trial at the 1 Year Follow-Up. American Society of Biomechanics Annual Meeting, Raleigh, NC.
8. Florkiewicz EM, Morris JB, Goss DL, 2016. Validity and Reliability of Video-Based Identification of Step Rate and Foot Strike Pattern in Runners. American Society of Biomechanics Annual Meeting, Raleigh, NC.
9. Mason JS, Dolbeer JA, Morris JB, Terry AC, Crowell MS, Koppenhaver S, Goss DL, 2016. The Effectiveness of Dry Needling and Stretching vs. Stretching Alone on Hamstring Flexibility in Patients with Knee Pain: A Randomized Controlled Trial. American College of Sports Medicine, Boston, MA.
10. Terry AC, Thelen MD, Mason JS, Dolbeer JA, Morris JB, Crowell MS, Johnson MR, Goss DL, 2016. The Musculoskeletal Readiness Screening Tool: Injury Predictor for United States Military Academy Preparatory Cadets? American College of Sports Medicine, Boston, MA.
11. Morris JB, Goss DL, Florkiewicz EM, Davis IS, 2016. Using Real-Time Biofeedback to Alter Running Biomechanics: A Randomized Controlled Trial at the Six Month Follow-Up. American College of Sports Medicine, Boston,

MA.

12. Hearn D, Rhon D, Thelen M, Goss DL, Stoltenberg B. 2016. *Baseline Performance on a Noel Field-Expedient Musculoskeletal Readiness Screening Tool in Military Trainees*. American Physical Therapy Association Combined Sections Meeting, Anaheim, CA.

D. Platforms:

1. Florkiewicz EM, Crowell MS, Morris JB, Dolbeer JA, Freisinger G, Goss DL, 2017. A Case Series of Previously Injured Runners Transitioning to a Non-Rearfoot Strike Running Pattern. APTA Combined Sections Meeting, San Antonio, TX.

E. Grant Activity:

1. Using Impact and Kinematic Data to Predict Stress Fractures in Military Cadets: 2017 Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. \$249,971
2. Gait Retraining Enhances Athletes' Technique (GREAT) Running: Telemedicine & 2017 Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. \$249,831
3. START: Simple Technology Assessing Running Technique: Observation of Gait 2016 Parameters Predictive Of Running Related Injury: Joint Program Committee-5: Injury Prevention Line: \$244,000

F. Invited Lectures: None

G. Academic or Research Awards: None

**IX. Doctorate in Occupational Therapy (D.Sc. OT)**

A. Publications:

1. Sposato L. Occupational Therapy Interventions for Adults at the End of Life: A Systematic Review of Dignity Therapy, Occupational Therapy in Mental Health. 2016 32(4):370-391. doi: 10.1080/0164212X.2016.1146930
2. Cancio JM, Oliver RA, Yancosek KE. Functional Capacity Evaluation-Military: Program Description and Case Series. Mil Med. 2017 182(1): e1658-e1664.
3. Baumann ML, Cancio JM, Yancosek KE. The suitcase packing activity: A new evaluation of hand function. Journal of Hand Therapy. 2017 Mar 22.
4. Luken M, Yancosek KE. Effects of an Occupational Therapy Hand Dominance Transfer Intervention for Soldiers with Crossed Hand-Eye Dominance. Journal of Motor Behavior. 2017 Jan 2; 49(1):78-87.
5. Uhl TL, Smith-Forbes EV, Nitz AJ. Factors influencing final outcomes in patients with shoulder pain: A retrospective review. Journal of Hand Therapy. 2017 May 30. 30(2):200-207. Doi: 10.1016/j.jht.2017.04.004



6. Oliver R, Schoonover C, Tu T, Turner S, Cancio J, Yancosek K. Prosthesis Thesis: A Task-Oriented Approach to Motor learning. OT Practice. 2017; 21(8):8-10.

B. Abstracts: None

C. Platform Presentations:

1. Smith-Forbes E, Quick C, Brown K, Newton S. History of Army Occupational Therapy in the Deployed Environment: Lessons Learned at War. American Occupational Therapy Association Centennial Meeting. Philadelphia, PA, March 2017.
2. Smith-Forbes E, Woods Y. The efficacy of Cognitive Behavioral Treatment (CBT) interventions in occupational therapy: Addressing veterans and the civilian community. American Occupational Therapy Association Centennial Meeting. (Platform- Panel moderators) Philadelphia, PA. March, 2017.
3. Oliver R, Wilson A, Smith-Forbes E. Efficacy of Stress Management Interventions for Combat Veterans with Posttraumatic Stress Disorder: A Systematic Review. American Occupational Therapy Association Centennial Meeting. Philadelphia, PA. March, 2017.
4. Turner S, Woods Y, Smith-Forbes E. Effectiveness of Cognitive Behavioral Therapy for Reduction of Sleep Disturbances in Military Veterans: A Systematic Review. American Occupational Therapy Association Centennial Meeting. Philadelphia, PA. March, 2017.
5. Sebolt C, Smith-Forbes E. (2017, March). Effectiveness of Brief Cognitive Behavioral Therapy in Patients with Low Back Pain: A Systematic Review. American Occupational Therapy Association Centennial Meeting. Philadelphia, PA. March, 2017.
6. Tu T, Smith-Forbes E. (2017, March). Effectiveness of Pain Biology Education on Patient Outcomes for Patients with Chronic Pain not Specific to Low Back Pain: A Systematic Review. American Occupational Therapy Association Centennial Meeting. Philadelphia, PA. March, 2017.
7. Yancosek K, Molinar S, Dy L, Springer J, Cancio J, Troianello, T. Translating Post 9-/11 Era Military & Veteran Occupational Therapy Research to Civilian Practice: Addressing Musculoskeletal Consequences of War. American Occupational Therapy Association Centennial Meeting, Philadelphia, PA. April, 2017.
8. Cancio JM, Baumann ML, Yancosek KE. The suitcase packing activity: A new clinical test for evaluating hand function. Military Health System Research Symposium. Orlando, FL. August, 2017.

C. Posters:

1. Schoonover CM, Smith-Forbes EV, Woods Y, Rhon, DI. Response and Perceptions of Low Back Pain Treatment in Initial Entry Training Service Members: A Mixed Methods Study. San Antonio Military Health System and

- Universities Research Forum (SURF), San Antonio, TX. June 2017.
2. Turner SL, Woods Y, Smith-Forbes EV. Experience and Effectiveness of an Occupational Therapy Based Sleep Enhancement Program on Military Service Members with Sleep Disruptions at Joint Base San Antonio. San Antonio Military Health System and Universities Research Forum (SURF), San Antonio, TX. June 2017.
  3. TuT, Smith-Forbes E, Cancio J, Yancosek K. Characterization of Trauma-Related Upper Extremity Amputees and their Occupational Therapy Treatment. San Antonio Military Health System and Universities Research Forum (SURF), San Antonio, TX. June 2017.
  4. Oliver R, Cancio J, Yancosek K. Impact of the Firearms Training System (FATS) on Occupational Performance in a Polytrauma Population. San Antonio Military Health System and Universities Research Forum (SURF), San Antonio, TX. June 2017.
  5. Schoonover CM, Smith-Forbes EV, Woods, Y, Rhon, DI. Response and Perceptions of Low Back Pain Treatment in Initial Entry Training Service Members: A Mixed Methods Study. Military Health System Research Symposium. Orlando, FL. August, 2017.
  6. Turner SL, Woods Y, Smith-Forbes E.V. Experience and Effectiveness of an Occupational Therapy Based Sleep Enhancement Program on Military Service Members with Sleep Disruptions at Joint Base San Antonio. Military Health System Research Symposium. Orlando, FL. August, 2017.

D. Grant Funding Awarded: None

E. Invited Lectures: None

F. Academic or Research Awards: None.

## **X. US Army-Baylor University Doctorate in Physician Assistant Studies - Emergency Medicine (D.Sc. PA)**

### A. Publications:

1. Monti JD, Cronin AJ. "Orthopedic Pearls and Pitfalls." Chapter within Physician Assistant Clinics Emergency Medicine Textbook, 1st Edition, 2017.
2. Monti JD. "Revolution or Evolution? A Proposal for the Integration of Point-of-Care Ultrasound into Physician Assistant Clinical Practice." J Physician Assist Educ. 2017 Mar; 28(1):27-32.
3. Reed P, Zobrist B, Casmaer M, Schauer SG, Kester N, April M. "Single Rescuer Ventilation Using a Bag Valve Mask with Removable External Handle: A Randomized Crossover Trial." Prehosp Disaster Med. 2017 Aug 15:1-6.
4. Mochmer P, Casmaer M. "Possible Allergic Reaction after Outpatient

- Surgery." JAAPA. 2017 Jul; 30(7):55-56.
5. LaDuke M, Monti JD, Cronin AJ, Gillum B. "Ultrasound Detection of Soft Tissue Abscesses by Non-Physician U.S. Army Medical Providers Naïve to Diagnostic Sonography." MILITARY MEDICINE, 182, 3/4:e1825, 2017.
  6. Naylor J, Dekay K, Donham B, Hall B. "Ultrasound vs Landmarks for Great Toe Arthrocentesis". MILITARY MEDICINE, 182, 3/4:216, 2017.
  7. Kagel, K. "Effects of Mandatory Screening Labs in Directing the Disposition of the Apparently Healthy Psychiatric Patient in the Emergency Department." US Army Med Dep J. 2017 Jul-Sep; (2-17):18-24.
  8. Krainin B, Thaut, L, Curtis RA, Kaelin A, Hardy G. "Heated Ultrasound Gel and Patient Satisfaction with Bedside Ultrasound Studies: The HUGS Trial." Western Journal of Emergency Medicine: Integrating Emergency Care with Population Health, Sep 2017.
  9. Glover, J, Waychoff, M, Casmaer M, April M, Hunter C, Trexler, S. "Association between seatbelt sign and internal injuries in the contemporary airbag era: A retrospective cohort study." Am J Emerg Med. 2017 Sep 12.
  10. Costello J, Allen P, Levesque R. "A Comparison of Ventilation Rates Between a Standard Bag-Valve-Mask and a New Design in a Prehospital Setting During Training Simulations." JSOM, Volume 17, Edition 3/Fall 2017, Pgs 59-63.
  11. Gendron BC, Monti JD, Cronin AJ, Brigg A. "Military Medic Performance placing a Commercial Intraosseous Infusion Device utilizing the Humeral Head versus the Proximal Tibial Approaches: A Prospective Crossover Study." Accepted for Publication in Military Medicine.

G. Published Abstracts: None

H. Platform Presentations:

1. Muller K, Cronin AJ, Monti JD, Facciola C. "Impact of Succinct Training on Open Cricothyrotomy Performance: A Randomized, Prospective, Observational Study of U.S. Army First Responders." (Platform) Madigan Research Day, JBLM, WA. April 2017.
2. Naylor J, April M, Wiese J, Ryan K, Cunningham C, Fisher A, Mitchell N, Antonacci M, Schauer S. "Prehospital Administration of Tranexamic Acid by Ground Forces in Afghanistan." 3rd Place Podium Presentation for Staff Research Womack Army Medical Center Research Symposium, Fort Bragg, NC. May 2017.

I. Poster Presentations:

1. Gendron BC, Monti JD, Cronin AJ, Brigg A. "Military Medic Performance placing a Commercial Intraosseous Infusion Device utilizing the Humeral Head versus the Proximal Tibial Approaches: A Prospective Crossover Study." (Poster) Society of Emergency Medicine Physician Assistants, Phoenix, AZ. April 2017.

2. Gendron BC, Monti JD, Cronin AJ, Brigg A. "Military Medic Performance placing a Commercial Intraosseous Infusion Device utilizing the Humeral Head versus the Proximal Tibial Approaches: A Prospective Crossover Study." (Poster) Washington Chapter American College of Emergency Physicians EM Leadership Summit, Seattle, WA, April 2017.
3. Gendron BC, Monti JD, Cronin AJ, Brigg A. "Military Medic Performance placing a Commercial Intraosseous Infusion Device utilizing the Humeral Head versus the Proximal Tibial Approaches: A Prospective Crossover Study." (Poster) Madigan Research Day, Joint Base Lewis McChord, WA, April 2017.
4. Gendron BC, Monti JD, Cronin AJ, Brigg A. "Military Medic Performance placing a Commercial Intraosseous Infusion Device utilizing the Humeral Head versus the Proximal Tibial Approaches: A Prospective Crossover Study." (Poster) Society of Physician Assistant Annual Conference, Fayetteville, NC, April 2017.
5. Gendron BC, Monti JD, Cronin AJ, Brigg A. "Military Medic Performance placing a Commercial Intraosseous Infusion Device utilizing the Humeral Head versus the Proximal Tibial Approaches: A Prospective Crossover Study." (Poster) AMEDDC&S/HRCoE Graduate School Research Symposium, Joint Base San Antonio, TX, July 2017.
6. Gendron BC, Monti JD, Cronin AJ, Brigg A. "Military Medic Performance placing a Commercial Intraosseous Infusion Device utilizing the Humeral Head versus the Proximal Tibial Approaches: A Prospective Crossover Study." (Poster) Leadership in Emergency Medicine Symposium, Tacoma, WA, August 2017.
7. Gendron BC, Monti JD, Cronin AJ, Brigg A. "Military Medic Performance placing a Commercial Intraosseous Infusion Device utilizing the Humeral Head versus the Proximal Tibial Approaches: A Prospective Crossover Study." (Poster) Military Health System Research Symposium, Kissimmee, FL, August 2017.
8. Muller K, Cronin AJ, Monti JD, Facciola C. "Impact of Succinct Training on Open Cricothyrotomy Performance: A Randomized, Prospective, Observational Study of U.S. Army First Responders." (Poster) Society of Emergency Medicine Physician Assistants, Phoenix, AZ. April 2017
9. Muller K, Cronin AJ, Monti JD, Facciola C. "Impact of Succinct Training on Open Cricothyrotomy Performance: A Randomized, Prospective, Observational Study of U.S. Army First Responders." (Poster) Washington Chapter American College of Emergency Physicians EM Leadership Summit, Seattle, WA, April 2017
10. Muller K, Cronin AJ, Monti JD, Facciola C. "Impact of Succinct Training on Open Cricothyrotomy Performance: A Randomized, Prospective, Observational Study of U.S. Army First Responders." (Poster) Madigan Research Day, JBLM, WA. April 2017
11. Muller K, Cronin AJ, Monti JD, Facciola C. "Impact of Succinct Training on Open Cricothyrotomy Performance: A Randomized, Prospective, Observational Study of U.S. Army First Responders." (Poster) Society of

- Physician Assistant Annual Conference, Fayetteville, NC, April 2017.
12. Muller K, Cronin AJ, Monti JD, Facciola C. "Impact of Succinct Training on Open Cricothyrotomy Performance: A Randomized, Prospective, Observational Study of U.S. Army First Responders." (Poster) AMEDDC&S/HRCoE Graduate School Research Symposium, Joint Base San Antonio, TX, July 2017
  13. Muller K, Cronin AJ, Monti JD, Facciola C. "Impact of Succinct Training on Open Cricothyrotomy Performance: A Randomized, Prospective, Observational Study of U.S. Army First Responders." (Poster) Leadership in Emergency Medicine Symposium, Tacoma, WA, August 2017

J. Grant Funding Awarded: Total - \$446,900

1. Cronin AJ, Monti JD, Perrault M. Ultrasound Research Team awarded / participating with two research grants:
  - a. Award: \$20,000 Emergency Medicine Foundation Grant to conduct prospective research investigating physician assistants' diagnostic accuracy of lower extremity deep vein thrombosis via emergency ultrasound. Collaborative
  - b. Award: \$2,499,685 Joint Warfighter Medical Research Program (Part of CDRMP - Congressionally Directed Medical Research Programs) awarded to Sonivate™. "Development and Test of an Ultra-Wide-Band Wearable Ultrasound Probe for Battlefield Use (Wearable Sonogram)". Sonivate™ subcontracted \$426,908 to Henry Jackson Foundation for collaborative research at MAMC.

K. Invited Lectures:

1. Cronin AJ. Regional Course Director and lecturer. "EUS Application: Deep Venous Thrombosis." Northwest Leadership in Emergency Medicine Course, JBLM, Washington. September 2016.
2. Cronin AJ. Research from the Primary Investigator's Perspective. *Applied Research Training Course*. McChord Air Force Base, WA. October 2016.
3. Cronin AJ. Tactical Ultrasound. Special Operations Medical Training. Torii Station, Japan. January 2017.
4. Morrison M, Rosser S, Love S, Fossum K, Rabener M, Casmaer M, Bonjour T, Holland S, Kocher B. SP Corps Doctoral Basic Skills Clinical Research Course. San Antonio, Texas. June 2017.
5. Curtis RA. Tactical Ultrasound. Special Operations Medical Training. Torii Station, Japan. January 2017.
6. Curtis RA. Deep Venous Thrombosis. Air Force PA Refresher Course. San Antonio, Texas. February 2017.
7. Curtis RA. Basic and Advanced Ultrasound Workshop. American Academy of Emergency Medicine Scientific Assembly. Orlando, Florida. August 2017.
8. Curtis RA. Inaugural SonoWars. University of Texas Health Science Center Joint EM Grand Rounds, San Antonio, Texas. May 2017.

9. Curtis RA. Basic and Advanced Ultrasound Workshop. American Academy of Emergency Nurse Practitioners. San Antonio, Texas. May 2017.
10. Curtis RA. Basic and Advanced Tactical Ultrasound, Special Operations Medical Scientific Assembly, Charlotte, North Carolina. May 2017.
11. Curtis RA. Ultrasound Guided Regional Anesthesia, Emergency Medical Exercise, Bulverde Spring Branch, Texas. June 2017.
12. Rabener MJ. United States Air Force Physician Assistant Specialty Training Factors: A Brief Survey, Air Force Physician Assistant Refresher Course. San Antonio, Texas. February 2017.
13. Rabener MJ. United States Battlefield Simulation Trauma Skills. Air Force Physician Assistant Refresher Course, San Antonio, Texas. February 2017.
14. Villalobos DJ. THINK Trial, Air Force Physician Assistant Refresher Course. San Antonio, Texas. February 2017.
15. Johnston KM. Battlefield Acupuncture for Acute/Subacute Back Pain in the Emergency Department, Air Force Physician Assistant Refresher Course. San Antonio, Texas. February 2017.
16. Johnston KM. Battlefield Acupuncture for Acute/Subacute Back Pain in the Emergency Department, San Antonio Military Health System & Universities Research Forum. San Antonio, Texas. June 2017.
17. Benish TM. First Trimester Bleeding, Air Force Physician Assistant Refresher Course. San Antonio, Texas. February 2017.
18. De Taboada G. Hyperemesis Gravidarum, Air Force Physician Assistant Refresher Course. San Antonio, Texas. February 2017.
19. Harris YK. Rhabdomyolysis, Air Force Physician Assistant Refresher Course. San Antonio, Texas. February 2017.
20. Melgar-Gray D. Upper Extremity Deep Vein Thrombosis, Air Force Physician Assistant Refresher Course. San Antonio, Texas. February 2017.
21. Rosser S. Environmental Injuries, Society of Army Physician Assistants 38th Annual Refresher Course, Fayetteville, North Carolina. April 2017.
22. Rosser S. Point of Care Ultrasound Workshop for Primary Care, Society of Army Physician Assistants 38th Annual Refresher Course, Fayetteville, North Carolina. April 2017.
23. Rosser S. Point of Care Ultrasound Primer for Primary Care, Society of Army Physician Assistants 38th Annual Refresher Course, Fayetteville, North Carolina. April 2017.
24. Rosser S. EKG Review & Conduction Disorders, 2017 European Physician Assistant Recertification Course, Garmisch, Germany. May 2017.
25. Rosser S. A Primer on Point-of-Care Ultrasound for PAs, American Academy of Physician Assistants 2017 National Conference, Las Vegas Nevada. May 2017.
26. Rosser S. Emergencies: Gastrointestinal & Endocrine Potpourri, 2017 European Physician Assistant Recertification Course, Garmisch, Germany. June 2017.
27. Rosser S. Ventricular Arrhythmias & Acute Coronary Syndrome, 2017 European Physician Assistant Recertification Course, Garmisch, Germany. June 2017.

28. Rosser, S. Endocrine Overview: PANCE/PANRE Prep, 2017 European Physician Assistant Recertification Course, Garmisch, Germany. June 2017.
29. Rosser S. Musculoskeletal Ultrasound Shop for the Orthopaedic Physician Assistant, 18th Annual Physician Assistants in Orthopaedic Surgery Conference, Scottsdale, Arizona. August 2017.
30. Cronin AJ, Gendron BC, Shearer J, Milton S, Ahern B, Sciandra R, Knudsen, J. National level course. SP Corps Emergency Medicine Basic Skills Course at MAMC, JBLM, Washington. September 2017.

L. Academic or Research Awards:

1. Monti JD. Selected by the Society of Emergency Medicine Physician Assistants (SEMPA) as the Emergency Medicine PA of the Year, 2016. This honor was bestowed citing Monti's career-long accomplishments as a truly selfless Army leader, skilled Emergency Medicine and Soldier-centric clinician, emergency sonographer, mentor, and researcher. Major Monti was presented the award at the SEMPA annual conference in Phoenix, Arizona in April 2017.
2. Gendron BC, Monti JD, Cronin A, Brigg A. "Military Medic Performance placing a Commercial Intraosseous Infusion Device utilizing the Humeral Head versus the Proximal Tibial Approaches: A Prospective Crossover Study." 2017 Charles A. Anderson Award for Simulation Research. Madigan Research Day, JBLM, WA. April 2017.
3. Muller K, Cronin A, Monti JD, Facciola C. "Impact of Succinct Training on Open Cricothyrotomy Performance: A Randomized, Prospective, Observational Study of U.S. Army First Responders." 2017 Centralized Simulation Committee Annual Research Award.
4. Muller K, Cronin A, Monti JD, Facciola C. "Impact of Succinct Training on Open Cricothyrotomy Performance: A Randomized, Prospective, Observational Study of U.S. Army First Responders." AMEDDC&S/HRCoE Graduate School Research Symposium, Joint Base San Antonio, TX, July 2017, 1st Place Poster Award.

**XI. US Army-Baylor University Doctorate in Doctorate in Physician Assistant Studies - Clinical Orthopaedics (D.Sc. PA)**

A. Publications:

1. Fisher AD, Teeter WA, Cordova CB, Brenner ML, Szczepanski MP, Miles EA, Galante JM, DuBose JJ, Rasmussen TE. (2017) The Role I Resuscitation Team and Resuscitative Endovascular Balloon Occlusion of the Aorta. J Spec Oper Med. 2017 Summer; 17(2):65-73. PMID: 28599036.
2. Jolman S, Robbins J, Lewis L, Wilkes M, Ryan P. (2017). Comparison of Magnetic Resonance Imaging and Stress Radiographs in the Evaluation of Chronic Lateral Ankle Instability. Foot Ankle Int. 2017 Apr; 38 (4):397-404.

doi: 10.1177/1071100716685526. Epub 2017 Jan 6. PMID: 28061547.

3. Miles, J. M., & Kocher, B. K. (2017). Nail-Patella Syndrome: Pathogenesis, Clinical Features, and Management. *JBJS Journal of Orthopaedics for Physician Assistants*, 5(2), e16.
4. Pekari, Timothy. "Thinking of getting out of family practice? Recent LTHET graduate in Orthopaedics makes immediate impact in training fellow PAs and Medics." Army Medical Specialist Corps Connection, Spring edition 2017

B. Published Abstracts: None.

C. Platform Presentations:

1. Cordova CB. "Musculoskeletal Ultrasound" Fort Carson PA CME Conference, Colorado Springs, CO, 11 October 2017 Cordova CB. Keynote Speaker, Veterans Caucus of American Academy for Physician Assistants "Deployment Effects on Military Families", May 2017, Las Vegas, NV

D. Poster Presentations:

1. Huse, J.D., Jones, S.A., Slevin, J.M., Grassbaugh J.A. Ultrasound-Guided Percutaneous Trigger Finger Release by Orthopaedic Physician Assistants: Safe and Efficient Use of Clinical Resources. Physician Assistants in Orthopaedic Surgery Annual Conference, August 2017. Baltimore, MD.
2. Lewis, K.B., Kocher, B.K., Rush, J. K., Schmitz, M. R. Radiographic Evaluation Necessary in Children With a Clinical Diagnosis of Osgood-Schlatter Disease? Physician Assistants in Orthopaedic Surgery Annual Conference, August 2017. Baltimore, MD.
3. Williams, N. D., Rush, J. K., Schmitz, M. R., & Johnson, A. E. Reliability of Casting Indices Among Members of an Orthopaedic Surgery Residency. Physician Assistants in Orthopaedic Surgery Annual Conference, August 2017. Baltimore, MD.

E. Grant Funding Awarded: None.

F. Invited Lectures:

1. Pekari, Timothy. Low Back PAIN: Work Up and Management in primary care Setting. 86<sup>th</sup> Combat Support Hospital, Camp Arifjan, Kuwait (Sep 13 2017).

G. Academic or Research Awards: None.



## XII. US Army-Baylor University Doctorate in Doctorate in Physician Assistant Studies – Surgery (D.Sc. PA)

A. Publications: None

B. Published Abstracts:

1. Patrick Maluso MD<sup>1</sup>, Cassandra Reynolds MD<sup>2</sup>, Mayur Patel MD<sup>3</sup>, Jeremy L Holzmacher MD<sup>1</sup>, Seth Holland D.Sc.<sup>4</sup>, Nathaniel Gamsky BS<sup>1</sup>, Henry Moore MD<sup>5</sup>, Elizabeth Acquista MD<sup>6</sup>, Matthew Carrick MD<sup>7</sup>, Richard Amdur PhD<sup>1</sup>, Heather Hancock MD<sup>4</sup>, Julie Dunn MD<sup>8</sup>, Babak Sarani MD<sup>1</sup> Platelet Transfusion Does Not Improve Outcomes in Brain Injured Patients on Antiplatelet Therapy. Academic Surgical Congress <http://www.asc-abstracts.org/abs2017/33-07-platelet-transfusion-does-not-improve-outcomes-in-brain-injured-patients-on-antiplatelet-therapy/>

C. Platform Presentations:

1. McMahon RA: *Mild Traumatic Brain Injury for Family Practice Physician Assistants.* Presentation at the meeting of the Air Force Physician Assistant Refresher Course. JBSA, Lackland, TX. Feb. 2017.
2. Kormendy BM: *Breast Disorders for the Family Practice Physician Assistant.* Presentation at the meeting of the Air Force Physician Assistant Refresher Course. JBSA, Lackland, TX. Feb. 2017
3. Douglas MS: *Ano Rectal Disorders for the Family Practice Physician Assistant.* Presentation at the meeting of the Air Force Physician Assistant Refresher Course. JBSA, Lackland, TX. Feb. 2017.
4. Gronsky J: *Vasectomy Procedures for the Family Practice Physician Assistant.* Presentation at the meeting of the Air Force Physician Assistant Refresher Course. JBSA, Lackland, TX. Feb. 2017
5. Holland SR: *Revision Laparoscopic Sleeve Gastrectomy after failed Laparoscopic Adjustable Gastric Banding Confers additional BMI reduction and lower complication rates.* Houston, TX. Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) Conference Mar 2017
6. McMahon RA: *Pre-Injury Statin Use and Thromboembolic Events in Acute Trauma; A 10 Year Retrospective Evaluation.* Presentation at the 2017 San Antonio Military Health System & Universities Research Forum (SURF). University of Texas San Antonio Main Campus. San Antonio, TX. June 2017

D. Poster Presentations:

1. McMahon RA: *Pre-Injury Statin Use and Thromboembolic Events in Acute Trauma; A 10 Year Retrospective Evaluation.* AMEDD C&S Graduate School Research Symposium. JBSA-Lackland, TX. July 2017

E. Grant Funding Awarded: None.

F. Invited Lectures:

1. Holland SR. How to Succeed in a Surgical Rotation. University of Texas San Antonio Physician Assistant Program, June 2017
2. McMahon RA. Advance Trauma Management Lab. Interservice Physician Assistant Program.

G. Academic or Research Awards: None.