

**U.S ARMY MEDICAL DEPARTMENT CENTER & SCHOOL
U.S. HEALTH READINESS CENTER OF EXCELLENCE
B CO, 187TH MEDICAL BATTALION**

**GRADUATE SCHOOL SCHOLARY ACTIVITY REPORT
FY16**

6 December 2016

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): 120
- B. Published Abstracts: 29
- C. Platform Presentations: 67
- D. Poster Presentations: 139
- E. Grant Funding Awarded: \$7,406,129
- F. Invited Lectures: 212
- G. Academic / Research Awards: 50

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

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

4. Point of contact for the FY16 Scholarly Activity Report is COL Scott W. Shaffer at usarmy.jbsa.medcom-ameddcs.other.graduate-school@mail.mil.

I. US Army Graduate Program in Anesthesia Nursing

A. Publications:

1. Burgert JM, Johnson AD, Garcia-Blanco JC, Froehle J, Morris T, Althuisius B, Richards J, Castano C. The Effects of Proximal and Distal Routes of Intraosseous Epinephrine Administration on Short-Term Resuscitative Outcome Measures in an Adult Swine Model of Ventricular Fibrillation: a Randomized Controlled Study, *Am J Emerg Med.* pp. 49-53, January, 2016.
2. Burgert JM, Johnson AD, Blanco-Garcia JC, Craig JW, O'Sullivan JC. An Effective and Reproducible Model of Ventricular Fibrillation in Crossbred Yorkshire Swine (*Sus scrofa*) for Use in Physiologic Research. *Comparative Medicine.* 2015 Oct;65(5):1-4.
3. Castro-Gomes V, Bergstrom H, McGuire J, Coyner J, Landeira-Fernandez J, Ursano R, Palmer A, Johnson L. A Dendritic Organization of Lateral Amygdala Neurons in Fear Susceptible and Resistant Mice, *Neurobiology of Learning and Memory*, 2016 Jan; 127:64-71.
4. Wong M, Reggio M, Morocho F, Holloway M, Garcia- Blanco J, Jenkins C, Johnson A. Effects of Intraosseous Epinephrine in a Cardiac Arrest Swine Model, published on-line *Surgical Research*, April 2016.
5. Muir S, Sheppard L, Maika-Wilson A, Burgert J, Garcia-Blanco J, Johnson D, Coyner J. A comparison of the Effects of Intraosseous and Intravenous 5% Albumin on Infusion Time and Hemodynamic Measures in a Swine Model of Hemorrhagic Shock, *Prehospital and Disaster Medicine*, 2016 Aug;31(4):436-42.
6. Fulkerson J, Lowe R, Anderson T, Moore H, Craig W, Johnson D. Effects of Intraosseous Tibial vs. Intravenous Vasopressin in a Hypovolemic Cardiac Arrest Model, *Western Journal of Emergency Medicine*, 2016 Mar;17(2):222-8.
7. Johnson D, Giles K, Acuna A, Saenz C, Bentley M, Budinich, C. Effects of tibial intraosseous and IV administration of vasopressin on kinetics and survivability in cardiac arrest, *The American Journal of Emergency Medicine*, Volume 34, Issue 3, March 2016, Pages 429–432.
8. Fulton LV, Aitken J, Avery J, Kahl B, Negron A, Chavez B, Iosett N, Johnson D, O'Sullivan J. *Comparative Resuscitative Methods for Venlafaxine Toxicity in a Swine Model*, April, *Military Medicine*.
9. Long RP, Aroniadou-Anderjaska V, Prager EM, Pidoplichko VI, Figueiredo TH, Braga MF. Repeated Isoflurane Exposures Impair Long-Term Potentiation and Increase Basal GABAergic Activity in the Basolateral Amygdala, *Neural Plasticity*, 2016:8524560.
10. Fulton L, Fabich R, Bhatta J, Fletcher B, Leininger K, Lienesch K, Rodriguez T, Coyner, J, Johnson D, and O'Sullivan J. Comparison of Resuscitative Protocols for Bupropion Overdose Using Lipid Emulsion in Swine Model, *Military Medicine*, May, 2016, 482-487.
11. Johnson A, Burgert J, Garcia-Blanco J. Effects of Tibial Intraosseous versus Intravenous Administration of Vasopressin in a Porcine Model of Hypovolemic Cardiac Arrest, *Minerva Medica.* 2016;107(3 Suppl.2):38.

12. Johnson A, Burgert J, Garcia-Blanco J. Effects of Tibial Intraosseous versus Intravenous Administration of Vasopressin in a Porcine Model of Ventricular Fibrillation, published, *Minerva Medica*. 2016;107(3 Suppl.2):34.
13. Fulkerson JS, Moore HM, Anderson TS, Lowe RF. Ultrasonography in the preoperative difficult airway assessment. *Journal of Clinical Monitoring and Computing*. 2016:1-18. doi: 10.1007/s10877-016-9888-7.
14. Deeds J, Shaw P, Elliott A, Morgan B. An Anesthesia Quality Improvement Plan to Improve Postoperative Pain Outcomes after Hysterectomy, *Anesthesia eJournal*. 2016; 4(1); 34-42.
15. [Bernstock JD](#), [Budinich CS](#), [Cohen LG](#), [Awosika OO](#). Recrudescence of Focal Stroke Symptoms During Pain Management with Hydromorphone, *Frontiers in Neurology*, 2016 Mar 31; 7:50.
16. Fulton L, Fabich R, Bhatta J, Fletcher B, Lienesch K, Leininger K, Rodriguez T, Coyner J, Johnson A, O'Sullivan J. Comparison of Resuscitation Protocols Using Lipid Emulsion for Bupropion Overdose in a Swine Model, *Military Medicine*, 2016 May;181(5):482-7.

B. Publications Abstracts:

1. Fabich R, Fulton L, Bhatta J, Fletcher B, Lienesch K, Leininger K, Rodriguez T, Coyner J, Johnson A, O'Sullivan J. Comparison of Resuscitation Protocols Using Lipid Emulsion for Bupropion Overdose in a Swine Model. World Congress of Nurse Anesthetists (WCNA), Glasgow, Scotland, May 13-18, 2016.
2. Burgert J, Johnson D, Blanco J. Effects of Proximal and Distal Intraosseous Epinephrine Administration on Short-Term Survival Measures in a Swine Model of Ventricular Fibrillation. World Congress of Nurse Anesthetists (WCNA), Glasgow, Scotland, May 13-18, 2016.
3. Isaacs A, McClellan C, Green X, Heber B, Jolly M, Malone T, Schaaf J, 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. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
4. Borgkvist B, Smith S, 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. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
5. Holloway M, Jurina S, Orszag J, Bragdon G, Green R, Adams T, Johnson D. Effects of Humerus IO versus IV Amiodarone Administration in a Hypovolemic Porcine Cardiac Arrest Model. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
6. Wang E, Hampton K, Argame J, Bateman T, Craig W, Johnson D. The Effects of tibial IO versus IV Amiodarone Administration in Hypovolemic Cardiac Arrest Porcine Model. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.

7. Long RP, Aroniadou-Anderjaska V, Prager EM, Pidoplichko VI, Figueiredo TH, Braga MF. Repeated Isoflurane Exposures Impair Long-Term Potentiation and Increase Basal GABAergic Activity in the Basolateral Amygdala. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
8. Muir S, Sheppard L, Wilson A, Coyner J, Johnson A. Comparison of Tibial Intraosseous and Intravenous Administration of Albumin on Infusion Time and Hemodynamics in a Hypovolemic Swine Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
9. Heffner K, Culley R, Smithers M, Wimmer M, Coyner J, Johnson A. The Comparison of Humeral Intraosseous Versus Intravenous Administration of Vasopressin on Return to Spontaneous Circulation and Pharmacokinetics in a Cardiac Arrest Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
10. Kadilak P, Burke J, Perry K, Johnson A, Garcia-Blanco J, Burgert J; Fulton L. The Effects of Humeral Intraosseous Versus Intravenous Epinephrine Pharmacokinetics and Return of Spontaneous Circulation in a Porcine Cardiac Arrest Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
11. Moore H, Anderson T, Lowe R, Fulkerson J, Craig W, Johnson A. The Effect of Intraosseous Tibial Versus Intravenous Administration of Vasopressin on Kinetics and Return of Spontaneous Circulation in a Hypovolemic Cardiac Arrest Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
12. Kufahl Z, Helmrick K, Kelley J, Keller B, Philippe F, Golder J, Padrón G, Ceremuga T. Investigation of the Anxiolytic and Antidepressant Effects of Curcumin, a Compound from Turmeric (*Curcuma longa*), in the Adult Male Sprague-Dawley Rat. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
13. Reggio M, Wong M, Morocho F, Holloway M, Garcia-Blanco J, Jenkins C, Johnson D. Effects of Intraosseous Epinephrine in a Cardiac Arrest Swine Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.

C. Platform Presentations:

1. Froehle J, Morris T, Althuisius B, Richards J, Castano C. Burgert J, Johnson A, Garcia-Blanco J. The Effects of Proximal and Distal Routes of Intraosseous Epinephrine Administration on Short-Term Resuscitative Outcome Measures in an Adult Swine Model of Ventricular Fibrillation: a Randomized Controlled Study, presented at Research Day, Madigan, WA.
2. Adams T. The Army Nurse Corps and the USAGPAN. Nursing students and the public at New York University on 4 April and Fairleigh Dickinson University on 5 April.
3. Fulkerson JS. State of Veterans Affairs CRNA Practice. The Association of Veterans Affairs Nurse Anesthetist and the AANA at the Mid-Year Assembly in Washington DC.

4. Adams T. The Army Nurse Corps and the USAGPAN. The US Army 5th Medical Recruiting Battalion in Dallas, TX on 21 April 2016.
5. Johnson D. Keynote Speaker at the Networking World Anesthesia Convention (NWAC) Conference in April 20-23, 2016 in New York City, NY.
6. Benham B. How Do We Choose: A Meta-Analysis of Tools Used to Evaluate Graduate Applicant Success. The AMEDDC&S, US Army HRCoE Graduate School Research Symposium April 20-21, 2016.
7. Beaumont D. PTSD, Emergence Delirium, and Perioperative Implications, The North Carolina Association of Nurse Anesthetists (NCANA) in New Bern, North Carolina at their District I and II meeting, 16 April 2016.
8. Lathrop K, Stailey O, Baldwin H. A Systematic Review: Incidence of Emergence Delirium in Patients with Post Traumatic Stress Disorder (PTSD) After Intraoperative Administration of Dexmedetomidine. San Antonio Military Medical Center, 28 April 2016.
9. Lucia A, Kenner C, Valdivieso D. An Evaluation of Patient Satisfaction with Ultrasound-Guided Regional Anesthesia (UGRA). San Antonio Military Medical Center, 28 April 2016.
10. Saenz C. Retrospective Review of Oxytocin Administration Via an IV Bolus vs. Continuous Rapid Infusion During Cesarean Section. Carl R. Darnall Army Medical Center, May 2, 2016.
11. Johnson D, Burgert J, Blanco J. Effects of Tibial Intraosseous Administration of Vasopressin in a Cardiac Arrest Model. World Anesthesia Convention, New York City, New York.
12. Johnson D, Burgert J, Blanco J. Effects of Tibial Intraosseous Administration of Vasopressin in a Hypovolemic Cardiac Arrest Model. World Anesthesia Convention, New York City, New York.
13. Burgert J, Johnson D, Blanco J. Effects of Proximal and Distal Epinephrine Administration on Return of Spontaneous Circulation. World Anesthesia Convention, New York City, New York.
14. Dickinson T. Recruiting Presentation for US Army Healthcare. Hawaii Association of Nurse Anesthetists, 16 April 2016.
15. Fabich R. Safety and Efficacy of Laryngeal Mask Airway in Laparoscopic Surgery. Madigan Research Day, Madigan Army Medical Center, JBLM WA, 29 Apr 2016.
16. Froehle J. The Effects of Intraosseous vs. Intravenous Epinephrine on Return of Spontaneous Circulation in a Swine Model of Cardiac Arrest. Madigan Research Day, Madigan Army Medical Center, JBLM WA, 29 Apr 2016.
17. Fabich R, Lienesch K. Safety and Efficacy of Laryngeal Mask Airway in Laparoscopic Surgery, presented at the Washington Association of Nurse Anesthetists Spring Conference, Seattle WA, 15 Apr 2016.
18. Fabich R, Lienesch K. Comparison of Resuscitation Protocols Using Lipid Emulsion for Bupropion Overdose in a Swine Model, presented at the Washington Association of Nurse Anesthetists Spring Conference, Seattle WA, 15 Apr 2016.

19. Froehle J. The Effects of Intraosseous vs. Intravenous Epinephrine on Return of Spontaneous Circulation in a Swine Model of Cardiac Arrest. Washington Association of Nurse Anesthetists Spring Conference, Seattle WA, 15 Apr 2016.
20. Johnson D. Keynote Speaker at the Infusion Nursing Society Conference, Fort Lauderdale, FL May 14-18, 2016.
21. Fabich R, Fulton L, Bhatta J, Fletcher B, Lienesch K, Leininger K, Rodriguez T, Coyner J, Johnson A, O'Sullivan J. Comparison of Resuscitation Protocols Using Lipid Emulsion for Bupropion Overdose in a Swine Model. World Congress of Nurse Anesthetists (WCNA), Glasgow, Scotland, May 13-18, 2016.
22. Burgert J, Johnson D, Blanco J. Effects of Proximal and Distal Intraosseous Epinephrine Administration on Short-Term Survival Measures in a Swine Model of Ventricular Fibrillation. World Congress of Nurse Anesthetists (WCNA), Glasgow, Scotland, May 13-18, 2016.
23. Moore H, Fulkerson J, Lowe R, Anderson T, Craig W, Johnson D. Effects of Intraosseous Tibial vs. Intravenous Vasopressin Administration on Kinetics and Return of Spontaneous Circulation in a Hypovolemic Cardiac Arrest Porcine Model. The Association of VA Nurse Anesthetists Annual Meeting, St. Petersburg, FL, May 26, 2016.
24. Isaacs A, McClellan C, Green X, Heber B, Jolly M, Malone T, Schaaf J, 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. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
25. Borgkvist B, Smith S, 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. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
26. Holloway M, Jurina S, Orszag J, Bragdon G, Green R, Adams T, Johnson D. Effects of Humerus IO versus IV Amiodarone Administration in a Hypovolemic Porcine Cardiac Arrest Model. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
27. Wang E, Hampton K, Argame J, Bateman T, Craig W, Johnson D. The Effects of tibial IO versus IV Amiodarone Administration in Hypovolemic Cardiac Arrest Porcine Model. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
28. Long RP, Aroniadou-Anderjaska V, Prager EM, Pidoplichko VI, Figueiredo TH, Braga MF. Repeated Isoflurane Exposures Impair Long-Term Potentiation and Increase Basal GABAergic Activity in the Basolateral Amygdala. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
29. Muir S, Sheppard L, Wilson A, Coyner J, Johnson A. Comparison of Tibial Intraosseous and Intravenous Administration of Albumin on Infusion Time and Hemodynamics in a Hypovolemic Swine Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.

30. Heffner K, Culley R, Smithers M, Wimmer M, Coyner J, Johnson A. The Comparison of Humeral Intraosseous Versus Intravenous Administration of Vasopressin on Return to Spontaneous Circulation and Pharmacokinetics in a Cardiac Arrest Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
31. Kadilak P, Burke J, Perry K, Johnson A, Garcia-Blanco J, Burgert J; Fulton L. The Effects of Humeral Intraosseous Versus Intravenous Epinephrine Pharmacokinetics and Return of Spontaneous Circulation in a Porcine Cardiac Arrest Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
32. Moore H, Anderson T, Lowe R, Fulkerson J, Craig W, Johnson A. The Effect of Intraosseous Tibial Versus Intravenous Administration of Vasopressin on Kinetics and Return of Spontaneous Circulation in a Hypovolemic Cardiac Arrest Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
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34. Reggio M, Wong M, Morocho F, Holloway M, Garcia-Blanco J, Jenkins C, Johnson D. Effects of Intraosseous Epinephrine in a Cardiac Arrest Swine Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
35. Darling C. Anesthesia Safety Considerations in the Office Based Surgery Setting. American Academy of Cosmetic Surgery Board Review Course, Chicago, IL. 28 August 2016 (1 CME).

D. Poster Presentations:

1. Burgert J and Johnson D. Effect of IV versus IO Epinephrine on ROSC. The AMSUS Meeting in San Antonio, Dec 2, 2015.
2. Moore H, Fulkerson J, Lowe R, Anderson T, Craig J, Johnson D. Effects of Intraosseous Tibial vs. Intravenous Administration of Vasopressin in a Hypovolemic Cardiac Arrest Model. Annual Meeting of the Association of VA Nurse Anesthetists, May 22-25, 2016 in Florida.
3. Burgert J, Johnson A, Garcia-Blanco J. A Randomized Controlled Study of the Pharmacokinetics and Resuscitative Effects of Humeral Intraosseous Vasopressin in an Adult Swine Model of Ventricular Fibrillation. World Anesthesia Convention, New York, April 20-23, 2016.
4. Johnson J, Burgert J, Garcia-Blanco J. Effects of Tibial Intraosseous Versus Intravenous Administration of Vasopressin in a Porcine Model of Hypovolemic Cardiac Arrest. World Anesthesia Convention, New York, April 20-23, 2016.
5. Johnson J, Burgert J, Garcia-Blanco J. The Effects of Tibial Intraosseous Versus Intravenous Administration of Vasopressin in a Porcine Model of Ventricular Fibrillation. World Anesthesia Convention, New York, April 20-23, 2016.

6. Heber B, Isaacs A, McClellan C, Green X, Jolly M, Malone T, Schaaf J, 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. AMEDDC&S, US Army HRCoE Graduate School Research Symposium April 20-21, 2016.
7. Muir S, Sheppard L, Wilson A, Coyner J, Johnson A. Comparison of Tibial Intraosseous and Intravenous Administration of Albumin on Infusion Time and Hemodynamics in a Hypovolemic Swine Model. AMEDDC&S, US Army HRCoE Graduate School Research Symposium April 20-21, 2016.
8. Baldwin H, Stailey O, Lathrop K. A Systematic Review: Incidence of Emergence Delirium in Patients with Post Traumatic Stress Disorder (PTSD) After Intraoperative Administration of Dexmedetomidine. AMEDDC&S, US Army HRCoE Graduate School Research Symposium April 20-21, 2016.
9. Holloway M, Jurina S, Orszag J, Bragdon G, Green R, Adams T, Benham B, Johnson D. Effects of Humerus IO versus IV Amiodarone Administration in a Hypovolemic Porcine Cardiac Arrest Model. AMEDDC&S, US Army HRCoE Graduate School Research Symposium April 20-21, 2016.
10. 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. AMEDDC&S, US Army HRCoE Graduate School Research Symposium April 20-21, 2016.
11. Long RP, Aroniadou-Anderjaska V, Prager EM, Pidoplichko VI, Figueiredo TH, Braga MF. Repeated Isoflurane Exposures Impair Long-Term Potentiation and Increase Basal GABAergic Activity in the Basolateral Amygdala. AMEDDC&S, US Army HRCoE Graduate School Research Symposium April 20-21, 2016.
12. Houhoulis K, Lewis K, Fasone R, Benham B. The Impact of Tattoos (Skin Ink) on the Delivery of Regional Anesthesia: A Comprehensive Systematic Review. AMEDDC&S, US Army HRCoE Graduate School Research Symposium April 20-21, 2016.
13. Lucia A, Kenner C, Valdivieso D. An Evaluation of Patient Satisfaction with Ultrasound-Guided Regional Anesthesia (UGRA). AMEDDC&S, US Army HRCoE Graduate School Research Symposium April 20-21, 2016.
14. Saenz C. Retrospective Review of Oxytocin Administration via an IV Bolus vs. Continuous Rapid Infusion during Cesarean Section. Carl R. Darnall Army Medical Center Research Day, May 26, 2016.
15. Costello K, Korkow N. An Evidence Based Review of Pharmacological Interventions to Prevent or Reduce Emergence Agitation in Pediatric Patients Undergoing General Anesthesia. AMEDDC&S, US Army HRCoE Graduate School Research Symposium April 20-21, 2016.
16. Burgert JM, Johnson AD. The Pharmacokinetics and Resuscitative Effects of Humeral Intraosseous Vasopressin in a Swine Model of Ventricular Fibrillation. World Congress of Nurse Anaesthetists 2016, Glasgow, UK.
17. Burgert JM, Johnson AD. The Effects of Tibial Intraosseous Versus Intravenous Administration of Vasopressin in a Porcine Model of Hypovolemic Cardiac Arrest. World Congress of Nurse Anaesthetists 2016, Glasgow, UK.

18. Torrence A, Stevens R, Vallier D. An Evidence-Based Strategy for Proactive Drug Diversion Prevention in a Military Medical Center Anesthesia Department: A Quality Improvement Initiative for Best Practices. WBAMC Research Day, WBAMC, June 2, 2016.
19. Isaacs A, McClellan C, Green X, Heber B, Jolly M, Malone T, Schaaf J, 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. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
20. Borgkvist B, Smith S, 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. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
21. Holloway M, Jurina S, Orszag J, Bragdon G, Green R, Adams T, Johnson D. Effects of Humerus IO versus IV Amiodarone Administration in a Hypovolemic Porcine Cardiac Arrest Model. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
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24. Johnson M. A Quality Improvement Project to Decrease Postoperative Residual Paralysis after Departmental Education in a Military Medical Facility. TSNRP Research and Evidence Based Practice Dissemination Course 2016 in San Antonio, TX, August 22-25, 2016.
25. Muir S, Sheppard L, Wilson A, Coyner J, Johnson A. Comparison of Tibial Intraosseous and Intravenous Administration of Albumin on Infusion Time and Hemodynamics in a Hypovolemic Swine Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
26. Heffner K, Culley R, Smithers M, Wimmer M, Coyner J, Johnson A. The Comparison of Humeral Intraosseous Versus Intravenous Administration of Vasopressin on Return to Spontaneous Circulation and Pharmacokinetics in a Cardiac Arrest Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
27. Kadilak P, Burke J, Perry K, Johnson A, Garcia-Blanco J, Burgert J; Fulton L. The Effects of Humeral Intraosseous Versus Intravenous Epinephrine Pharmacokinetics and Return of Spontaneous Circulation in a Porcine Cardiac Arrest Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.

28. Moore H, Anderson T, Lowe R, Fulkerson J, Craig W, Johnson A. The Effect of Intraosseous Tibial Versus Intravenous Administration of Vasopressin on Kinetics and Return of Spontaneous Circulation in a Hypovolemic Cardiac Arrest Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
29. Kufahl Z, Helmrick K, Kelley J, Keller B, Philippe F, Golder J, Padrón G, Ceremuga T. Investigation of the Anxiolytic and Antidepressant Effects of Curcumin, a Compound from Turmeric (*Curcuma longa*), in the Adult Male Sprague-Dawley Rat. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
30. Reggio M, Wong M, Morocho F, Holloway M, Garcia-Blanco J, Jenkins C, Johnson D. Effects of Intraosseous Epinephrine in a Cardiac Arrest Swine Model. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
31. Long RP, Aroniadou-Anderjaska V, Prager EM, Pidoplichko VI, Figueiredo TH, Braga MF. Repeated Isoflurane Exposures Impair Long-Term Potentiation and Increase Basal GABAergic Activity in the Basolateral Amygdala. AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
32. Murphy J, Schierenbeck M, Alves S. Inter-rater Reliability and Usability of a New And Innovative Student Registered Nurse Anesthetist (SRNA) Clinical Performance Evaluation Instrument, AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.

E. Grant Activity: (Total: \$2,283,616.00)

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. Dunning M. Measuring Emergence Delirium: An Emerging Problem, (2013) TriService Nursing Research (\$300,000).
3. Johnson D, Loughren M, Burgert J, Gegel B. Effects of Different Routes of Administration of Vasopressin, (2013-present) TriService Nursing Research Program (\$500,000).
4. 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).
5. 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).
6. 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.
7. Ceremuga T. was granted an additional extramural \$4200.00 AANA Foundation Grant for the protocol, Investigation of the Anxiolytic Effects of Herbal Supplements and Possible Interactions with Midazolam in the Laboratory Rat.

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. Morocho F, SRNA BAMC. AV Dissociation Case Presentation, to the BAMC Anesthesia Department during Case Conference, 14 October 2015.
2. Lathrop K, SRNA BAMC. Dexmedetomidine Use for PTSD, a Journal Club Presentation to CRNA staff at morning report, BAMC, 15 October 2015.
3. Morocho F, Reggio M, Wong M, Valdivieso D, Stailey O, and Lucia A, participated in mock oral boards regarding Cardiac Patients for Non-Cardiac Surgery, at morning report, BAMC, 24 October 2015.
4. Budinich C, DDEAMC Phase 2 Director, served as primary reviewer for proposed research entitled, The Effect of Casting Types on a Simulated Supracondylar Humerus Fracture.
5. Costello K, Korkow N, Helmrick K, Kufahl Z, and Kelley J, SRNAs DDEAMC. Depth of Anesthesia as a Risk Factor for Perioperative Morbidity, a Journal Club Presentation to anesthesia faculty, 9 October 2015.
6. Thompson K, WAMC Phase 2 Director. Review of NMB Drugs (Miller's Basics of Anesthesia, Chapter 12, at Morning Conference WAMC, 6 October 2015.
7. Peden R, WAMC Phase 2 Assistant Director. Case Report, Review of Asthma as Anesthetic Concerns, at Morning Conference WAMC, 7 October 2015.
8. Thompson K, WAMC Phase 2 Director. Case Report, at Morning Conference WAMC, 13 October 2015.
9. Thompson K, WAMC Phase 2 Director. Case Report on Reversal Agents, at Morning Conference WAMC, 15 October 2015.
10. Thompson K, WAMC Phase 2 Director. Choice of Anesthetic (Miller's Basics of Anesthesia, Chapter 14, at Morning Conference WAMC, 20 October 2015.
11. Thompson K, WAMC Phase 2 Director. Case Report - Airway Management (Miller's Basics of Anesthesia, Chapter 16, at Morning Conference WAMC, 22 October 2015.
12. Perry K, WAMC SRNA. ENIGMA-II, a Journal Club Presentation to CRNA staff at Morning Conference WAMC, 23 October 2015.
13. Thompson K, WAMC Phase 2 Director. Pediatric versus Adult Induction, at Morning Conference WAMC, 22 October 2015.
14. Thompson K, WAMC Phase 2 Director. Case Review: Bronchospasm, Desaturations, Differentials, and Treatments, at Morning Conference WAMC, 29 October 2015.
15. Culley R, TAMC SRNA. Prophylactic Administration of Ondansetron in Prevention of Intrathecal Morphine-Induced Pruritus and Post-operative Nausea and Vomiting in Patients Undergoing Caesarean Section, a Journal Club Presentation to Anesthesia Morning Report TAMC, 9 October 2015.

16. Wimmer M, TAMC SRNA. Is Dexmedetomidine Superior to Midazolam as a Premedication in Children? A meta-analysis of Randomized Controlled Trials, a Journal Club Presentation to Anesthesia Morning Report TAMC, 23 October 2015.
17. Heffner K, TAMC SRNA. Pulmonary Function after Emergence on 100% Oxygen in Patients with Chronic Obstructive Pulmonary Disease, a Journal Club Presentation to Anesthesia Morning Report TAMC, 30 October 2015.
18. Saenz C, CRDAMC SRNA. Airway Emergencies, at the CRDAMC Perioperative Nursing Section Skills Fair, 15 October 2015.
19. Golder J, presented a journal club presentation, Comparison of Second-Generation Supraglottic Airway Devices During Elective Surgery in Children, at an anesthesia formal morning report, 24 Nov 2015.
20. Wong M, BAMC SRNA. Difficult Airway Prediction, Journal Club to the Nurse Anesthesia Staff at San Antonio Military Medical Center, 17 November 2015.
21. Kertes S, BAMC Phase 2 Director. Upper Extremity Ultrasound Regional, for Dannemiller's Nurse Anesthesia Update, The Westin Riverwalk, San Antonio, TX, 17 November 2015.
22. Stailey O and Valdivieso D, BAMC SRNAs, assisted with hands on education with ultrasound scanning for Dannemiller's Nurse Anesthesia Update, The Westin Riverwalk, San Antonio, TX, 17 November 2015.
23. Morocho F, BAMC SRNA. Use of Intracuff Lidocaine, at Journal Club to Nurse Anesthesia Staff at San Antonio Military Medical Center, 3 December 2015.
24. Burke J, SRNA WAMC. Anesthesia Concerns with Patients with CHF, morning conference Womack Army Medical Center, November 9, 2015.
25. Thompson J, Phase 2 Director WAMC. Acid-Base Disturbance, morning conference Womack Army Medical Center, November 10, 2015.
26. Thompson J, Phase 2 Director WAMC. Patients with Pacemakers, morning conference Womack Army Medical Center, November 12, 2015.
27. Thompson J, Phase 2 Director WAMC. Hemostasis, morning conference Womack Army Medical Center, November 16, 2015.
28. Westbrook D, SRNA WAMC. Anesthesia Concerns for Carotid Endarterectomies, morning conference Womack Army Medical Center, November 19, 2015.
29. Kadilak P and Perry K, SRNA WAMC. Anesthesia with Pediatric Anesthesia Circuits and Atelectasis, morning conference Womack Army Medical Center, November 24, 2015.
30. Heffner K, SRNA TAMC. Cerebral Oxygenation in the Beach Chair Position: A Prospective Study on the Effect of General Anesthesia Compared with Regional Anesthesia and Sedation. Journal Club Podium Presentation at Anesthesia Morning Report, TAMC, December 4, 2015.
31. Smithers M, SRNA TAMC. Dexmedetomidine as a Rapid Bolus for Treatment and Prophylactic Prevention of Emergence Agitation in Anesthetized Children. Journal Club Podium Presentation at Anesthesia Morning Report, TAMC, December 11, 2015.

32. Keller B, WBAMC SRNA, presented Apneic Oxygenation During Prolonged Laryngoscopy in Obese Patients: A Randomized, Controlled Trial of Nasal Oxygen Administration, Journal Club to the Anesthesia Staff formal morning report at William Beaumont Army Medical Center, 8 December 2015.
33. Morocho F, The Effects of Clonidine on Regional Anesthesia, presented as a Journal Club Presentation to Nurse Anesthesia Staff, San Antonio Military Medical Center, 7 January 2016.
34. Wong M, Evaluation of the Sniffing Position for Direct Laryngoscopy, presented as a Journal Club Presentation to the Nurse Anesthesia Staff, San Antonio Military Medical Center, 21 January 2016.
35. Reggio M, Preoperative Multimodal Pain Management, presented as a Journal Club Presentation to the Nurse Anesthesia Staff, San Antonio Military Medical Center, 14 January 2016.
36. Lathrop K and Kertes S, Pharmacology Critical Care Transport Considerations, Critical Care Transport Recertification, AMEDDC&S, 12 January 2016.
37. Reggio M, Wong M, and Morocho F, Health Policy Briefing, Equal Reimbursement for CRNA Services, presentation to Phase 2 USAGPAN Faculty at San Antonio Military Medical Center, 26 January 2016.
38. Fabich R, SRNA MAMC. Airway Management, Cervical Spine Injuries, and Apneic Oxygenation During Prolonged Laryngoscopy in Obese Patients, formal in-service at Harborview Medical Center, Seattle, WA, Oct 2015.
39. Golder J, Keller B, and Philippe F, SRNAs WBAMC. Legislative Update and Discussion: Understanding, Influencing Legislation and Regulation, WBAMC anesthesia formal morning report, 25 Jan 2016.
40. Fulkerson J, SRNA MVA. Pain Pharmacology & Management, Anesthesia Morning Report at Memphis Veterans Administration Hospital, October 2015.
41. Penaranda C, SRNA MVA. Difficult Intubation, Anesthesia Morning Report at Memphis Veterans Administration Hospital, October 2015.
42. Moore H, SRNA MVA. Lower Extremity Peripheral Nerve Blockade, Anesthesia Morning Report at Memphis Veterans Administration Hospital, November 2015.
43. Penaranda C, SRNA MVA. Hypertension, Anesthesia Morning Report at Memphis Veterans Administration Hospital, December 2015.
44. Phillips K, SRNA MVA. Lung Anatomy and Ventilation, Anesthesia Morning Report at Memphis Veterans Administration Hospital, December 2015.
45. Phillips K, SRNA MVA. One-Lung Ventilation and Thoracic Surgery, Anesthesia Morning Report at Memphis Veterans Administration Hospital, December 2015.
46. Rice D, SRNA MVA. Fluid Management, Anesthesia Morning Report at Memphis Veterans Administration Hospital, January 2016.
47. Lowe R, SRNA MVA. Hypoxic Pulmonary Vasoconstriction, Anesthesia Morning Report at Memphis Veterans Administration Hospital, January 2016.
48. Anderson T, SRNA MVA. Neuromuscular Junction, Anesthesia Morning Report at Memphis Veterans Administration Hospital, January 2016.
49. Moore H, SRNA MVA. Cardiac Output and the Cardiac Cycle, Anesthesia Morning Report at Memphis Veterans Administration Hospital, January 2016.

50. Anderson T, SRNA MVA. Upper Extremity Peripheral Nerve Blockade, Anesthesia Morning Report at Memphis Veterans Administration Hospital, February 2016.
51. Fulkerson J, SRNA MVA. Peripheral Vascular Disease, Anesthesia Morning Report at Memphis Veterans Administration Hospital, February 2016.
52. Fulkerson J, SRNA MVA. Trauma Nurse Core Course (TNCC) Instruction in Jacksonville, FL, January 2016.
53. Costello K and Korkow N, DDEAMC SRNAs. An Evidence Based Review of the Most Effective Pharmacological Intervention to Eliminate or Reduce Emergence Agitation in the Pediatric Patient Undergoing General Anesthesia, Anesthesia Faculty at DDEAMC, January 2016.
54. Stailey O and Kertes S. Pharmacology, Critical Care Transport Considerations for the Critical Care Transport Recertification at the AMEDD C&S, 03 January 2016.
55. Valdivieso D, SRNA BAMC. Management of Airway Emergencies in the PACU, Same Day Surgery Staff at San Antonio Military Medical Center, 26 February 2016. (0.5 CEUs)
56. Kufahl Z, Helmrick K, and Kelley J, SRNAs DDEAMC. Cognitive Functioning after Surgery in Middle-Aged and Elderly Danish Twins, and discussed persistent postoperative cognitive dysfunction during the monthly DDEAMC Anesthesia Department Journal Club on 19 Feb 2016.
57. Stevens R, Torrence A, Vallier D, SRNAs WBAMC. A Strategy to Decrease Drug Diversion Utilizing Automated Information Management Software and a Standard Operating Procedure-A Quality Improvement Initiative, at the WBAMC Executive Leadership Meeting, 9 Feb 2016.
58. Philippe F, SRNA WBAMC. Intranasal Dexmedetomidine vs Midazolam for Premedication in Children Undergoing Complete Dental Rehabilitation: A Double-Blinded Randomized Controlled Trial. Anesthesia formal morning report, WBAMC, 1 Feb 2016. (0.5 CEUs).
59. Deeds J. Use of Ultrasound for the Administration of PECS and TAP Blocks. Anesthesia formal morning report, WBAMC, 4 Feb 2016. (0.5 CEUs).
60. Stevens R, Torrence A, Vallier D, SRNAs WBAMC. A Strategy to Decrease Drug Diversion Utilizing Automated Information Management Software and a Standard Operating Procedure-A Quality Improvement Initiative. Anesthesia formal morning report, 5 Feb 2016. (0.5 CEUs).
61. Deeds J. Neuroanesthesia Physiology and Anatomy. Anesthesia formal morning report, WBAMC, 11 Feb 2016. (0.5 CEUs).
62. Deeds J. Needle Visualization Under Ultrasound Utilizing Low-Cost Self-Made Phantoms. Anesthesia formal morning report, WBAMC, 16 Feb 2016. (0.5 CEUs).
63. Lathrop K, SRNA BAMC. Controversies of Cricoid Pressure, at the San Antonio Audie Murphy VA, Mar 14, 2016.
64. Golder J, SRNA William Beaumont Army Medical Center. A Meta-analysis of Intraoperative Ventilation Strategies to Prevent Pulmonary Complications, WBAMC morning report, 10 March, 2016.

65. Philippe F, SRNA WBAMC. The Effects of Adding Epinephrine to Ropivacaine: Critical Appraisal of a Randomized Clinical Trial, WBAMC morning report, 29 October, 2015.
66. Golder J, SRNA WBAMC. Bronchospasm Presentation, WBAMC morning report, 30 October, 2015.
67. Alford H, Phelps D, and Westbrook M, SRNAs WAMC. Effects of Preoperative Gabapentin on Postoperative Pain Management in Adult Patients Undergoing General Anesthesia for Abdominal Surgeries, Morning Conference Womack Army Medical Center, March 2, 2016 (0.5 CEUs).
68. Stevens R, SRNA WBAMC. The Anatomy of the Brachial Plexus and Anterior Neck for Regional Anesthesia, Anesthesia Morning Report WBAMC, 1 Apr 2016. (0.5 CEUs).
69. Stevens R, SRNA WBAMC. Hands on Demonstration/Return Demonstration of Regional Anesthesia of the Brachial Plexus. Anesthesia Morning Report WBAMC, 5 Apr 2016. (0.5 CEUs).
70. Vallier D, SRNA WBAMC. The Anatomy of the Popliteal, Saphenous, and Adductor Canal for Regional Anesthesia. Anesthesia Morning Report WBAMC, 14 Apr 2016. (0.5 CEUs).
71. Vallier D, SRNA WBAMC. Hands on Demonstration/Return Demonstration of Regional Anesthesia for Sciatic and Femoral Nerve, Anesthesia Morning Report WBAMC, 19 Apr 2016. (0.5 CEUs).
72. Torrence A, SRNA WBAMC, The Anatomy of the Upper Chest and Abdomen for Regional Anesthesia, Anesthesia Morning Report WBAMC, 26 Apr 2016. (0.5 CEUs).
73. Philippe F, SRNA WBAMC. Role of Esmolol in Perioperative Analgesia and Anesthesia: Literature Review, Anesthesia Morning Report WBAMC, 21 Apr 2016. (0.5 CEUs).
74. Deeds J, Phase 2 Director WBAMC, Prevention of Airway Fire in the Operating Room, Anesthesia Grand Rounds, WBAMC, 27 Apr 2016. (1 CEUs).
75. Heffner K, SRNA TAMC, Sugammadex: An Informational Brief, Anesthesia Morning Report TAMC, 8 April 2016.
76. Smithers M, SRNA TAMC, Transverse Abdominus Plane Blocks, Anesthesia Morning Report TAMC, 13 April 2016.
77. Wimmer M, SRNA TAMC, Morbidity and Mortality, Anesthesia Morning Report TAMC, 6 April 2016.
78. Costello K and Korkow N, SRNAs DDEAMC, Capstone Defense, An Evidence Based Review of Pharmacological Interventions to Prevent or Reduce Emergence Agitation in Pediatric Patients Undergoing General Anesthesia, Fort Gordon, Georgia, April 26, 2016.
79. Fabich R and Lienesch K, SRNAs MAMC. Safety and Efficacy of Laryngeal Mask Airway in Laparoscopic Surgery. Anesthesia Department at Madigan Army Medical Center, JBLM WA. 8 Mar 2016. This was a CEU/GME producing event (0.5 CEUs).

80. Fletcher B and Rodriguez T, SRNAs MAMC. Femoral Nerve Block Compared to Adductor Canal Block in Patients Undergoing Total Knee Arthroplasty, Anesthesia Department at Madigan Army Medical Center, JBLM WA, 15 Apr 2016. This was a CEU/GME producing event (0.5 CEUs).
81. Leininger K, SRNA MAMC. The Effect of Alpha 2 Agonist on Pediatric Emergence Delirium, Anesthesia Department at Madigan Army Medical Center, JBLM WA, 25Apr2016. This was a CEU/GME producing event (0.5 CEUs).
82. Burke J, SRNA and Barrows M, CRNA WAMC. Goal-Directed Resuscitation for Patients with Early Septic Shock, Morning Conference Womack Army Medical Center, April 27, 2016. (0.5 CEUs)
83. Passmore A, SRNA TAMC, Mock Oral Boards, TAMC Anesthesia Department Morning Report, May 4, 2016.
84. Leger S, SRNA TAMC, Mock Oral Boards, TAMC Anesthesia Department Morning Report, May 11, 2016.
85. Lannan J, SRNA TAMC, Mock Oral Boards, TAMC Anesthesia Department Morning Report, May 23, 2016.
86. Adamczyk M, TAMC Phase 2 Faculty, Airway Adjuncts hands on instruction of advanced airway instruction to over 200 Navy Corpsman at the Navy Healthcare Clinic, Hawaii, May 6, 2016.
87. Korkow N, Costello K, SRNAs DDEAMC, An Evidence Based Review of Pharmacological Interventions to Prevent or Reduce Emergence Agitation in Pediatric Patients Undergoing General Anesthesia, DDEAMC Anesthesia Department Morning Report, April 26, 2016. (0.5 CEUs).
88. Budinich C, DDEAMC Faculty, Nurse Anesthesia Overview to the Nurse Resident Transition Program, Dwight David Eisenhower Army Medical Center, May 4, 2016.
89. Torrence A, SRNA WBAMC, Hands on Demonstration/Return Demonstration of Regional Anesthesia for the PECS Block, WBAMC Anesthesia Department Morning Report, May 3, 2016. (0.5 CEUs).
90. Deeds J, WBAMC Phase 2 Faculty, Management of the Patient with Increased Intracranial Pressure, WBAMC Anesthesia Department Morning Report, May 5, 2016. (0.5 CEUs).
91. Vallier D, SRNA WBAMC, Hands on Demonstration/Return Demonstration of Regional Anesthesia for the TAP Block, WBAMC Anesthesia Department Morning Report, May 11, 2016. (0.5 CEUs).
92. Vallier D, SRNA WBAMC, Pharmacological Adjuncts for Regional Anesthesia, WBAMC Anesthesia Department Morning Report, May 17, 2016. (0.5 CEUs).
93. Stevens R, SRNA WBAMC, Management of a Peripheral Nerve Injury after Anesthesia, WBAMC Anesthesia Department Morning Report, May 26, 2016. (0.5 CEUs).
94. Fulkerson J, SRNA MVA, Ultrasound in Perioperative Airway Management, Fort Campbell Blanchfield Army Community Hospital, June 9, 2016.
95. Whitacre W, Anesthesia Society for Regional Anesthesia Update, WBAMC Anesthesia Department Morning Report, 16 June 2016. (0.5 CEUs).
96. Deeds J, Anesthesia for Robotic Surgery, WBAMC Anesthesia Department Morning Report, 21 June 2016. (0.5 CEUs).

97. Isaacs A, SRNA WBAMC, Investigation of the Anxiolytic and Antidepressant Effects of Eucalyptol (1, 8 cineole), a Compound from Eucalyptus, in the Adult Male Sprague-Dawley Rat, WBAMC Anesthesia Department Morning Report, 22 July. (0.5 CEUs).
98. Chalenor M, WBAMC Faculty, The Development, Planning, and Implementation of Evidence-Based NPO Guidelines, WBAMC Anesthesia Department Morning Report, 25 July 2016.
99. Kufahl Z, Helmrick K, and Kelley J, SRNAs DDEAMC, Pain Management, Dwight David Eisenhower Army Medical Center, Ft. Gordon, GA, 21 July 2016. (1.5 CEUs).
100. Murphy J, CRDAMC Phase 2 Faculty, Faculty Update, CRDAMC Training Day, July 9, 2016. (0.5 CEUs).
101. Murphy J, CRDAMC Phase 2 Faculty, Student Evaluation, CRDAMC Training Day, July 29, 2016.
102. Murphy J, CRDAMC Phase 2 Faculty, Neuromuscular Monitoring for the GE Carescape Monitor, CRDAMC Training Day, July 29, 2016.
103. Muir S and Wilson A, SRNAs CRDAMC, Outcomes After Implementation of an Oxytocin Protocol for the Prevention of Postpartum Hemorrhage in Non-emergent Cesarean Sections, Fort Hood, TX, CRDAMC.
104. Orszag J and Green Rustin, SRNAs CRDAMC, Protocol Development for the Use of the Genicular Nerve Block to Decrease Acute Perioperative Knee Pain, Fort Hood, TX, CRDAMC.
105. Wong M, SRNA SAMMC, Basic Pharmacology, Critical Care Flight Paramedic Course. Fort Sam Houston TX, BLDG 149, Suite 200, June 12th 2016.
106. Wong M, SRNA SAMMC, Cuffed Endo Tracheal Tubes in the Pediatric Patient, SAMMC Anesthesia Morning Report, June 14, 2016. (1 CEU).
107. Wong M, SRNA SAMMC, Miller versus Macintosh: The Debate Continues, SAMMC Anesthesia Morning Report, June 28, 2016. (1 CEU).
108. Jones P, SAMMC Phase 2 Director, Faculty Development Meeting, SAMMC Anesthesia Conference Room, 15 June 2016. (1CEU).
109. Hensler J, Phase 1 Faculty, In Search of Mechanisms Underlying Resilience or Vulnerability to Stress: Studies in Mice Deficient in Brain Derived Neurotrophic Factor (BDNF), USAGPAN Faculty and Student monthly Meeting, August 4, 2016.
110. Burke J, SRNA WAMC, Residual Paralysis after Emergence from Anesthesia, Journal Club Presentation at Morning Conference, Womack Army Medical Center, August 17, 2016. (0.5 CEUs).
111. Isaacs A, SRNA WBAMC, Investigation of the Anxiolytic and Antidepressant Effects of Eucalyptol (1, 8 cineole), a Compound from Eucalyptus, in the Adult Male Sprague-Dawley Rat, WBAMC Anesthesia Morning Report, 19 Aug. (0.5 CEUs).
112. Golder J, SRNA WBAMC, A Retrospective, Meta-analysis of Randomized Controlled Trials Comparing the Incidence of Upper Respiratory Complications with the Use of Sevoflurane vs Desflurane in Patients Undergoing General Anesthesia with a Laryngeal Mask Airway, Journal Club at WBAMC Anesthesia Morning Report, 8 Aug. (0.5 CEUs).

113. Philippe F, SRNA WBAMC, An Update: Use of Laryngeal Mask Airway Devices in Patients in the Prone Position, Journal Club at WBAMC Anesthesia Morning Report, , 29 Aug. (0.5 CEUs).
114. Muir S and Wilson A, SRNAs CRDAMC, Outcomes after Implementation of an Oxytocin Protocol for the Prevention of Postpartum Hemorrhage in Non-emergent Cesarean Sections, Fort Hood, TX, CRDAMC.
115. Orszag J and Green R, SRNAs CRDAMC, Protocol Development for the Use of the Genicular Nerve Block to Decrease Acute Perioperative Knee Pain, Fort Hood, TX, CRDAMC.
116. Reggio M, SRNA BAMC, Systematic Review of Uncalibrated Arterial Pressure Waveform Analysis to Determine Cardiac Output and Stroke Volume Variation, Journal Club, SAMMC Anesthesia Conference Room, 11 AUG 2016. (1 CEU).
117. Richards J, SRNA MAMC, Nitric Oxide: A Review and Discussion of Anesthetic Implications, Journal Club Podium Presentation at Anesthesia Morning Conference at VA Puget Sound Health Care System, 3 August, 2016. (0.5 CEU).
118. Morris T, SRNA MAMC, Tranexamic Acid, Journal Club Podium Presentation at Anesthesia Morning Conference at VA Puget Sound Health Care System, 6 July 2016. (0.5 CEU).
119. Althuisius B, SRNA MAMC, Sugammadex: Anesthetic Considerations, Journal Club Podium Presentation at Anesthesia Morning Report at MAMC, 15 July 2016. (0.5 CEU/CME).
120. Althuisius B, SRNA MAMC, Transfusion Indications / Massive Transfusion Protocol, Journal Club Podium Presentation at Anesthesia Morning Report at VA Puget Sound Health Care System, 31 August, 2016. (0.5 CEU).
121. Heffner K, SRNA TAMC, Journal Club Anesthesia Morning Report, 8 August 2016.
122. Smithers M, SRNA TAMC, Journal Club Anesthesia Morning Report, 15 August 2016.
123. Culley R, SRNA TAMC, Journal Club Anesthesia Morning Report, 22 August 2016.
124. Heffner K, SRNA TAMC, Journal Club M&M Presentation OB C-section Anesthesia Morning Report, 24 August 2016.
125. Jolly M, SRNA TAMC, Journal Club Anesthesia Morning Report, 29 August 2016.
126. Benham BE, Faculty, Pharmacology for the Critical Care Flight Paramedic, U.S. Army Critical Care Flight Paramedic Program, U. S. Army Medical Department Center and School, San Antonio, Texas. September 2016.
127. Johnson D, Faculty, Extrapolating Anesthesia Data from Excel, USAGPAN Faculty Development Meeting, March 3, 2016. (1.0 CEU).
128. Benham B, Faculty, ACCAHA Guidelines for the Cardiac Patient for Non-Cardiac Surgery, USAGPAN Faculty Development Meeting, March 17, 2016. (1.0 CEU).
129. Johnson D, Faculty, Faculty Development, USAGPAN Faculty Development Meeting, April 7, 2016. (1.0 CEU).

130. Benham B, Faculty, Meta-Analysis of Tools to Evaluate Graduate Applicant Stress, USAGPAN Faculty Development Meeting, April 21, 2016. (1.0 CEU).
131. Johnson D, Faculty, Inductive Teaching, USAGPAN Faculty Development Meeting, May 26, 2016. (1.0 CEU).
132. Long R, Faculty, Research and the Translational Scientist, USAGPAN Faculty Development Meeting, July 21, 2016. (1.0 CEU).
133. Gardner S, Faculty, Anesthesia Simulation Protocol, USAGPAN Faculty Development Meeting, July 28, 2016. (1.0 CEU).
134. Long R, Faculty, Isoflurane and the Effects on Cognition, USAGPAN Faculty Development Meeting, July 21, 2016. (1.0 CEU).
135. Johnson D, Faculty, Faculty Development, USAGPAN Faculty Development Meeting, May 26, 2016. (1.0 CEU).

G. Academic or Research Awards:

1. CPT Debra Valdivieso, a USAGPAN Phase 2 SRNA at BAMC, was awarded the American Association of Nurse Anesthetists Program Administrator's Outstanding Student Researcher Award, October 2015.
2. CPT Donald Vallier, SRNA WBAMC was interviewed and featured in the FT Bliss newspaper, The Fort Bliss Bugle, for his award winning research poster, A Comparative Study of the Pharmacokinetics and Pharmacodynamics of Sternal Intraosseous and Intravenous Vasopressin Administered During Cardiac Arrest in a Porcine Model, at the State of the Science, Nurse Anesthesia Annual Congress, Salt Lake City, UT.
3. FT Bliss newspaper, Fort Bliss Bugle, presented an excerpt about the award winning research by LT Golder et al, SRNAs at WBAMC, Student nurse wins second for medical research. The Bugle. <http://fortblissbugle.com/student-nurse-wins-second-for-medical-research/>.
4. MAJ John Buonora has been featured for his exceptional achievements and contributions in the Tri Service Nursing Research Program (TSNRP) News.
5. Mr. Justin Fulkerson, SRNA MVA, has received acceptance into the Association of Veteran's Affairs Nurse Anesthetists Leadership Program for Student Registered Nurse Anesthetists.
6. Dr. Arthur Johnson, Mr. Brian Gegel and their research team were recognized by the AANA Foundation in Discoveries of Distinctions for their scientific exploration, The Efficacy of QuikClot Combat Gauze, Fluid Resuscitation and Movement on Hemorrhage Control in a Porcine Model of Hypothermia, March 2016.
7. The USAGPAN was ranked the #8 nursing anesthesia program in the nation by the US news & World Report 2016 Best Grad School Rankings. There are 112 accredited nursing anesthesia program.
8. LTC Long was the lead coordinator for the Graduate School Research Symposium in which 70 faculty participated in the faculty development day 1 and 292 attendees participated in the research symposium on day 2.

9. Dr. Don Johnson was awarded 1st Place Prize for presenting his abstract: Effects of Tibial Intraosseous versus Intravenous Administration of Vasopressin in a Porcine Model of Hypovolemic Cardiac Arrest, at the 7th Networking World Anesthesia Convention (NWAC), New York City, April 20th to 23rd, 2016.
10. Onstott T, Wolfe J, Baldwin S, Lucas L, Herr C, Calhoun, S, Applying a Time-Out in Standardized Report Form in Anesthesia Hands-Off, chosen as one of the best five posters at the World Congress of Nurse Anesthetists (WCNA), Glasgow, Scotland, May 13-18, 2016.
11. Burgert J. (presenter), Johnson D, and Blanco J. won the World Congress of Nurse Anaesthetists 2016, Glasgow, UK Best Poster Award, receiving the highest score by the jury (IFNA Education Committee and IFNA Practice Committee) for Effects of Proximal and Distal Intraosseous Epinephrine Administration on Short-Term Survival Measures in a Swine Model of Ventricular Fibrillation, presented at the World Congress of Nurse Anaesthetists 2016, Glasgow, UK.
12. Benham, B. How do we choose: A meta-analysis of tools to evaluate graduate applicant success? HRCoE Graduate School Research Symposium, Best Research Abstract, 21 April, 2016, Ft. Sam Houston, Texas.
13. Torrence A, Stevens R, Vallier D, WBAMC Phase 2 SRNAs, awarded 3rd place for their poster presentation, An Evidence-Based Strategy for Proactive Drug Diversion Prevention in a Military Medical Center Anesthesia Department: A Quality Improvement Initiative for Best Practices, at WBAMC Research Day today at WBAMC, June 2, 2016.
14. LTC Robert Long, PhD, CRNA was selected as Assistant Dean for Research, AMEDDC&S, HRCoE, and appointed as the Human Protections Administrator (HPA).
15. Fulkerson J, Lowe R, Anderson T, Moore H, Craig W, Johnson D. Effect of Intraosseous Tibial vs. Intravenous Vasopressin in a Hypovolemic Cardiac Arrest Model, has been featured on Physician News Network at: http://www.physiciansnewsnetwork.com/westjem/article_c494b7f8-37ef-11e6-81e7-af0ed7d33823.html
16. LTC Robert Long, was elected a full member of Sigma Xi, The Scientific Research Society in 2016. Sigma Xi, an honor society with an exclusive international membership, is one of the oldest interdisciplinary organizations for research scientists and engineers.
17. Best Poster Presentation: CPT Saenz, Cristal, CRNA, Retrospective Review of Oxytocin Administration via IV Bolus vs. Continuous Rapid Infusion During Cesarean Section, Research Day, Carl R. Darnall Army Medical Center, Fort Hood, TX. May 2016.
18. Dr. Don Johnson was award the 10 year service award by the Geneva Foundation for his excellence in research inquiry and success in receiving grant funds, August 22, 2016.

19. TSNRP Research 2nd Place Award awarded to MAJ Holloway, CPT Jurina, CPT Orszag, 1LT Bragdon, 1LT Green, LTC Adams, Dr. Benham, and Dr. Johnson. Effects of Humerus IO versus IV Amiodarone Administration in a Hypovolemic Porcine Cardiac Arrest Model, at the TriService Nursing Research Program Research and Evidence Based Practice Dissemination Course 2016.
20. Dr. Don Johnson received the American Association of Nurse Anesthetists (AANA) Didactic Instructor of the year award at the AANA Congress, Sep 9, 2016 in Washington DC.
21. AANA State of the Science Best Poster Presentation awarded to CPT Brian J. Keller, CPT Fabiola Philippe, CPT James M. Golder, Gina L. Padrón, Tomás Eduardo Ceremuga, and MAJ John E. Buonora. Investigation of the Antidepressant Effect of Curcumin, a Compound from Turmeric (*Curcuma longa*), in the Adult Male Sprague-Dawley Rat, at the AANA State of the Science at the AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
22. CPT Heffner, TAMC SRNA, was selected and participated in the AANA College Bowl, AANA Congress 2016 in Washington DC, Sep 9-13, 2016.
23. Torrence A, Stevens R, Vallier D, WBAMC Phase 2 SRNAs, awarded 3rd place for their poster presentation, An Evidence-Based Strategy for Proactive Drug Diversion Prevention in a Military Medical Center Anesthesia Department: A Quality Improvement Initiative for Best Practices, at WBAMC Research Day today at WBAMC, June 2, 2016.

II. US Army – Baylor University Doctoral Program in Physical Therapy

A. Publications:

1. Thelen MD, Koppenhaver SL, Allen SE, Bolduc MU, Quan RK, Sidwell AE. Real Time Inter-rater Reliability of a Novel Musculoskeletal Readiness Screening Tool. *Military Medicine*. 2016; In review.
2. Young BA, Koppenhaver SL, Dondoyano RM, Baumann K, Scheirer VF, Wolff A, Sutlive TG, Elliott JM. Ultrasound shear wave elastography imaging of the cervical multifidus muscle in individuals without spinal pain. *American Journal of Physical Medicine and Rehabilitation*. 2016; In review.
3. 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*. 2016; In review.
4. Alodaibi F, Hebert J, Koppenhaver SL, Fritz J. The Fear Avoidance Model Predicts Clinical Outcome Following Lumbar Disc Surgery. *Spine*. 2016; In review.
5. Alnwick G, Koppenhaver S, Clewley D. The use of dry needling in a patient with chronic rhinosinusitis: a case study. *Journal of Manual & Manipulative Therapy*. 2016; In review.
6. Davis J, Koppenhaver S, L1 Epithelioid Hemangioma in an Active Duty Soldier. *Journal of Orthopaedic & Sports Physical Therapy*. 2016; In review.

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8. Salom-Moreno J, Alonso-Rivera G, María Palacios-Ceña M, Arias-Burúa J; Koppenhaver S, Fernández-de-las-Peñas C. Effects of Low-Load Exercise on Post-needling Induced Pain After Dry Needling of Active Trigger Point in Individuals with Subacromial Pain Syndrome. *Journal of Orthopaedic & Sports Physical Therapy*. 2016; In review.
9. Baker S, Petersen E, Young B, Koppenhaver S, Deyle G. Trigger Point Dry Needling for Plantar Heel Pain - A Case Series. *Journal of Orthopaedic & Sports Physical Therapy*. 2016; In review.
10. Morgan B, Petersen E, Koppenhaver S, Deyle G. Trigger Point Dry Needling for Subacromial Impingement Syndrome: A Case Series. *Journal of Orthopaedic & Sports Physical Therapy*. 2016; In review.
11. Su J, McGowen J, Koppenhaver S, Ultrasound Assessment of Lumbar Multifidus Muscle Function in a Patient with Low Back Pain. *Journal of Orthopaedic & Sports Physical Therapy*. 2016; In review.
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13. 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*. In Review
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15. Paul SS, Lester ME, Foreman KB, Dibble LE. The Relevance of the First Trial Effect and Immediate Adaptation during Performance of an Anticipatory Postural Task in Parkinson Disease and Aging. *Gait & Posture*. In Review
16. Hoppes CW, Hopkins CF, Griffiths BD, Principe MF, Sperier AD, Schnall BL, Bell JC, Koppenhaver SL. The Efficacy of an Eight-Week Core Stabilization Program on Core Muscle Function and Endurance. *International Journal of Sports Physical Therapy*. 2016; In press.
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21. Fernández-de-las-Peñas C, Mesa-Jiménez, J, Paredes-Mancilla J, Koppenhaver S, Fernández-Carnero S; Cadaveric and Ultrasonographic Validation of Dry Needling Placement in the Cervical Multifidus Muscle. *Journal of Manipulative and Physiological Therapeutics*. 2016; In press
22. Young BA, Kniss JR, Islas F. Lateral Foot Pain in a Recreational Runner. *J Orthop Sports Phys Ther*. In Press
23. Arias-Buría J, Fernández-de-las-Peñas C, Palacios-Ceña M, Koppenhaver S, Salom-Moreno J. Exercises and Dry Needling for Subacromial Pain Syndrome: a Randomized Parallel-Group Trial. *The Journal of Pain*. 2016 Oct; [Epub ahead of print].
24. Koppenhaver S, Embry R, Ciccarello J, Pike R, Trachtenberg R, Waltrip J, Walker M, Fernández-de-las-Peñas C, Croy T, Flynn T. Dry Effects of Dry Needling to the Symptomatic versus Control Shoulder in Patients with Unilateral Subacromial Pain Syndrome. *Manual Therapy*. 2016 Jul [Epub ahead of print].
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26. 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 epub ahead of print. doi:10.1002/ar.23385
27. Mason JS, Crowell M, Dolbeer J, Morris JB, Heger A, Johnson MR, Koppenhaver S, Goss DL. The Effectiveness of Dry Needling and Stretching vs Stretching Alone on Hamstring Flexibility in Patients with Knee Pain: An RCT. *International Journal of Sports Physical Therapy*. 2016;11(5):672-683.
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30. David P. Robbins. Evaluation of Portable Accelerometers and Force Platforms as Clinically Feasible Instrumented Outcome measures: A Dissertation. University of Iowa. Nov 2015
31. Thelen MD, Koppenhaver S, Hoppes C, Shutt CE, Musen JL, Williams M, Davison, R. A Novel Return to Duty Screening Tool for Military Clinicians. AMEDD Journal. 2015 (Oct-Dec):14-23.
32. Sutlive T. Chapter in: O'Sullivan S, Siegelman R. National Physical Therapy Examination Review & Study Guide. 2016. TherapyEd, Evanston, IL. (contributing author).
33. Deyle GD, Gill NW, Allen CS, Rhon DI, Hando BR, Allison SA, Petersen, EJ. A multicenter randomized, 1-year comparative effectiveness, parallel-group trial protocol of a physical therapy approach compared to corticosteroid injections. BMJ Open 2016; 6(e010528), 1-11.
34. Crowell MS, Deyle GD, Owens J, Gill NW. Manual physical therapy combined with high-intensity functional rehabilitation for severe lower extremity musculoskeletal injuries: a case series. J Man Manip Ther 2016; 24(1), 33-44.
35. Sizer PS, Mauri MV, Learman K, Jones C , Gill NW, Showalter CR, Brismée JM. Should evidence or sound clinical reasoning dictate patient care? Journal of Manual & Manipulative Therapy 2016, 24:3, 117-119, DOI: 10.1080/10669817.2016.1185296
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37. Shaffer SW, Moore JH. US Army Physical Therapist Roles and Contributions in operations Enduring Freedom and Iraqi Freedom. US Army Med Dep J. 2016 Apr-Sep;(2-16):52-7.
38. Greathouse DG, Ernst G, Halle JS, Shaffer SW. GEHS Neurophysiological Classification System for Patients with Carpal Tunnel Syndrome. US Army Med Dep J. 2016 Jan-Mar:60-7.
39. Dorrel BS, Long T, Shaffer S, Myer GD. Evaluation of the Functional Movement Screen as an Injury Prediction Tool Among Active Adult Populations: A Systematic Review and Meta-analysis. Sports Health. 2015 Nov;7(6):532-7.

B. Published Abstracts:

1. Kniss J, Koppenhaver S, Lilley D, Oates M, Croy T, Maher R, Shinohara M. Normative Parameters Of Lumbar Muscle Stiffness Using Ultrasound Shear-Wave Elastography. Journal of Orthopaedic & Sports Physical Therapy. 2016; 46(1) A103.
2. Thelen M, Koppenhaver S, Goss D, Phillips A, Zevan K, Hoblet J, Dailey N. Predictive And Convergent Validity Of A Novel Musculoskeletal Readiness Screening Tool For Military Service Members. Journal of Orthopaedic & Sports Physical Therapy. 2016; 46(1) A203.

3. Young B, Remedios M, Dondoyano R, Baumann K, Wolff A, Scheirer V, Sutlive T, Koppenhaver S, Elliott J. Ultrasound Shear-Wave Elastography Imaging of the Deep Cervical Extensor Muscles in Individuals Without Spinal Pain. *Journal of Orthopaedic & Sports Physical Therapy*. 2016; 46(1) A27.
4. Young B, Remedios M, Dondoyano R, Baumann K, Wolff A, Scheirer V, Sutlive T, Koppenhaver S, Elliott J. Ultrasound Shear-Wave Elastography Imaging of the Deep Cervical Extensor Muscles in Individuals Without Spinal Pain. *Journal of Orthopaedic & Sports Physical Therapy*. 2016; 46(1) A27.
5. Robbins DP, Cobian DG, Koch CN, Metcalf RW, Williams GN. Walking and Stepping Down: A Simple and Relevant Functional Outcome Measure (Poster Presentation). Combined Sections Meeting, American Physical Therapy Association, 2016. Anaheim, CA. Abstract published in *Journal of Orthopaedic and Sports Physical Therapy*. 2016. 46(1), A198.
6. Young BA. Dondoyano RM. Baumann, K. Wolff A. Scheirer VF. Sutlive T. Koppenhaver S. Elliott JM. Ultrasound shear wave elastography imaging of the deep cervical extensor muscles in individuals without spinal pain. *J Orthop Sports Phys Ther*. 2016, 46(1); A27.
7. Young BA. Kniss J. Islas, F. Croy, T. Manual physical therapy and exercise for a patient with fragmented os peroneum. *J Orthop Sports Phys Ther*. 2016, 46(1); A156.
8. Wilson JE. Young BA. Majkowski G. Immediate and long-term outcomes following dry needling and exercise in patients with chronic cervicogenic headache: A case series. *J Orthop Sports Phys Ther*. 2016, 46(1); A150-151.
9. Thelen MD, Koppenhaver S, Goss DL, Zevan K, Hoblet J, Dailey N, Phillips A. Predictive and Convergent Validity of a Novel Musculoskeletal Readiness Screening Tool. Poster presentation at 2016 APTA Combined Sections Meeting, Anaheim, CA. February 2016. Abstract published in *J Orthop Sports Phys Ther*. 2016;46(1):A203.
10. Croy T, Orate D, Beers L, Brewer C, Gebauer K, Pecko M, Scott K, Tragord B, Sutlive TG. Ultrasound Imaging of the Ankle Syndesmosis: Evidence of Tibiofibular Widening During Clinical Examination. *J Orthop Sports Phys Ther* 2016;46(1):A58-A157.
11. Young BA, Dondoyano RM, Baumann, K, Wolff A, Scheirer VF, Sutlive TG, Koppenhaver S, Elliott JM. Ultrasound shear wave elastography imaging of the deep cervical extensor muscles in individuals without spinal pain. *J Orthop Sports Phys Ther* 2016;46(1):A2-A28.

C. Platform Presentations:

1. Dailey N, Thelen M, Koppenhaver S, Goss D, Phillips A, Zevan K, Hoblet J. Predictive and Convergent Validity of a Novel Musculoskeletal Readiness Screening Tool for Military Service Members. AMEDDC&S Graduate School Research Symposium, San Antonio TX, Apr 2016.
2. Young BA. Dondoyano RM. Baumann, K. Wolff A. Scheirer VF. Sutlive T. Koppenhaver S. Elliott JM. Ultrasound Shear-Wave Elastography Imaging of the Deep Cervical Extensor Muscles in Individuals Without Spinal Pain. American Physical Therapy Association Combined Sections Meeting,

- Anaheim, CA, February 2016.
3. Hazle C. Klein AE. Boyles RE. Young BA. Imaging instruction: Classroom to expanding clinical practice. Breakout Session, American Physical Therapy Association Educational Leadership Conference, 2016
 4. Teyhen D. Young BA. Hazle C. Croy T. Elliott J. Hawe R. Harris M. Boissonnault W. Imaging Modalities: Clinical Reasoning and Key Instructional Elements: Radiology. Orthopedic Section, Imaging Special Interest Group Educational Session American Physical Therapy Association Combined Sections Meeting. Anaheim, CA, February 2016
 5. Thelen MD, Koppenhaver S, Goss DL, Zevan K, Hoblet J, Dailey N, Phillips A. Predictive and Convergent Validity of a Novel Musculoskeletal Readiness Screening Tool. AMEDDC&S Graduate School Research Symposium, San Antonio TX, Apr 2016.
 6. Croy T, Sander T, Christie D. Admissions Process of the US Army Baylor University DPT Program. AMEDDC&S Graduate School Research Symposium, San Antonio TX, Apr 2016.
 7. Paul SS, Lester ME, Foreman K, Dibble LE. Validity of 2D motion capture for quantifying balance deficits. American Physical Therapy Association Combined Sections Meeting, Anaheim, CA, February 2016.

D. Poster Presentations:

1. Gamble D, Koppenhaver S, Sorrell B, Yahalom J, Childs J, Shaffer S, Shinohara M. Normative Parameters of Lumbar Muscle Stiffness Using Ultrasound Shear-Wave Elastography. AMEDDC&S Graduate School Research Symposium, San Antonio TX, Apr 2016.
2. Kniss J, Koppenhaver S, Lilley D, Oates M, Croy T, Maher R, Shinohara M. Reliability of Ultrasound Shear-Wave Elastography in Measuring Low Back Musculature Stiffness in Asymptomatic Individuals. AMEDDC&S Graduate School Research Symposium, San Antonio TX, Apr 2016.
3. Koppenhaver S, Gamble D, Sorrell B, Yahalom J, Childs J, Shaffer S, Shinohara M. Normative Parameters of Lumbar Muscle Stiffness Using Ultrasound Shear-Wave Elastography. American Physical Therapy Association Combined Sections Meeting. Anaheim, CA, February 2016
4. Kniss J, Koppenhaver S, Lilley D, Oates M, Croy T, Maher R, Shinohara M. Reliability of Ultrasound Shear-Wave Elastography in Measuring Low Back Musculature Stiffness in Asymptomatic Individuals. American Physical Therapy Association Combined Sections Meeting. Anaheim, CA, February 2016
5. Robbins DP, Cobian DG, Koch CN, Metcalf RW, Williams GN. Walking and Stepping Down: A Simple and Relevant Functional Outcome Measure. American Physical Therapy Association Combined Sections Meeting. Anaheim, CA, February 2016
6. Young BA. Kniss J. Islas, F. Croy, T. Manual physical therapy and exercise for a patient with fragmented os peroneum. American Physical Therapy Association Combined Sections Meeting. Anaheim, CA, February 2016
7. Wilson JE. Young BA. Majkowski G. Immediate and long-term outcomes

following dry needling and exercise in patients with chronic cervicogenic headache: A case series. American Physical Therapy Association Combined Sections Meeting. Anaheim, CA, February 2016

8. Terry A, Thelen MD, Crowell MS, Goss DL. Musculoskeletal Readiness Screening Tool – Injury Predictor for United States Military Academy Preparatory Cadets? Poster presentation at 2016 ACSM Annual Meeting, Boston, MA. June 2016
9. Hearn D, Goss DL, Thelen MD, Rhon DI. Baseline Performance on a Novel Field-Expedient Musculoskeletal Readiness Screening Tool in Military Trainees. American Physical Therapy Association Combined Sections Meeting. Anaheim, CA, February 2016
10. Thelen MD, Koppenhaver S, Goss DL, Zevan K, Hoblet J, Dailey N, Phillips A. Predictive and Convergent Validity of a Novel Musculoskeletal Readiness Screening Tool. American Physical Therapy Association Combined Sections Meeting. Anaheim, CA, February 2016. Abstract published in J Orthop Sports Phys Ther. 2016;46(1):A203.
11. Croy T, Orate D, Beers L, Brewer C, Gebauer K, Pecko M, Scott K, Tragord B, Sutlive TG. Ultrasound Imaging of the Ankle Syndesmosis: Evidence of Tibiofibular Widening During Clinical Examination. American Physical Therapy Association Combined Sections Meeting. Anaheim, CA, February 2016
12. Lester ME, Cavanaugh J, Shaffer, S, Foreman K, Dibble LE. Adaptive Postural Responses to Vestibular Illusion in Individuals with Parkinson Disease and Healthy Controls. IV STEP Conference, Columbus, OH July 2016
13. Paul SS, Lester ME, Foreman K, Dibble LE. Validity of 2D motion capture for quantifying balance deficits. AMEDDC&S Graduate School Research Symposium, San Antonio TX, Apr 2016.
14. Paul SS, Walther RG, Beseris EA, Dibble LE, Foreman K, Lester ME. Discriminating Head on Body Motion using Body Worn Sensors. AMEDDC&S Graduate School Research Symposium, San Antonio TX, Apr 2016.
15. Lester ME, Paul SS, Foreman KB, Dibble LE. Validity of 2D Motion Capture for Quantifying Balance Deficit. AMEDDC&S Graduate School Research Symposium, San Antonio TX, Apr 2016.
16. Lester ME, Cavanaugh J, Shaffer, S, Foreman K, Dibble LE. Adaptive Postural Responses to Vestibular Illusion in Individuals with Parkinson Disease and Healthy Controls. AMEDDC&S Graduate School Research Symposium, San Antonio TX, Apr 2016.

E. Grant Funding Awarded: (Total: \$4,491,911.00)

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. Co-Principal Investigator. 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. Co-Principle Investigator. 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. Co-Investigator. 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. Co-Investigator 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. Co-Principle Investigator. 2016-2017.
 6. Rhon D, Koppenhaver S. \$220,000. Effect of Opioid Education on Post-operative Medication Utilization After Spine Surgery: A Randomized Controlled Trial. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. Co-Investigator. 2015-2016.
 7. 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. Principle-Investigator. 2015-2017.
 8. Koppenhaver S, Kelly J, Cleland J, Michener L, Westrick R. \$212,000. Using Structural Health Monitoring to Improve Diagnosis and Treatment of Chronic Pain in U.S. Service Members: Translation to a Novel Handheld Device. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. Principle-Investigator. 2015-2016.
 9. Goss D, Koppenhaver S, Morris J. \$171,000. Evaluation of a Running Sock Designed to Provide Real Time Biofeedback to Healthy U.S. Service Members. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD Advanced Medical Technology Initiative. Co-Investigator. 2015-2016
 10. Robbins D. Retired Army Medical Specialist Corps Endowment for Scholarly Activity \$2,000 Principle Investigator
 11. 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. Co-Investigator 2017-2019 242410+21156+222242
 12. 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. Principle Investigator. 2017-2019
13. 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. Principle Investigator. 2016-2018
 14. 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. Co-Investigator. 2016-2018
 15. 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. Co-Principle Investigator. 2016-2018
 16. Wilken JM, Tulsy DS, Shaffer SW, Houck K, Hill OT. \$1,552,483. "Maximizing Outpatient Rehabilitation Effectiveness (MORE)." Awarded December 2013-2018. BADER Consortium.
 17. 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. Principle Investigator. 2015-2017

F. Invited Lectures:

1. Koppenhaver S. Using Shear Wave Elastography to Measure Muscle Function and Dysfunction: 2nd International Symposium on Rehabilitative Ultrasound Imaging, Madrid, Spain, June 5
2. Koppenhaver S. The Impact of an Integrated Physical Therapy Educational Network: APTA Combined Section Meeting, Anaheim, CA, 20 Feb
3. Robbins D. Using New Techniques in Research: Development and Validation. U.S. Army Medical Specialist Corps COL Mary Lipscomb Hamrick Research Post-professional Short Course. Fort Sam Houston, TX. May 2016.
4. Painter E. Introduction to Clinical Electrophysiological Testing: Electromyography and Nerve Conduction Studies. 2016 Evaluation and Treatment of Upper Extremity Disorders Course (7H) for Occupational Therapists. San Antonio, TX AUG 2016
5. Painter E. Shoulder and Upper Quarter Screening and Examination. 2016 Evaluation and Treatment of Upper Extremity Disorders Course (7H) for Occupational Therapists. San Antonio, TX JUL 2016
6. Lester ME. Statistical Testing. U.S. Army Medical Specialist Corps COL Mary Lipscomb Hamrick Research Post-professional Short Course. Fort Sam Houston, TX. May 2016.
7. Lester ME Introduction to Statistical Testing. U.S. Army Physician Assistant Program in Emergency Medicine. August 2016.
8. Shaffer SW, Koppenhaver SL, Gill N, Sander T. The Impact of an Integrated

Physical Therapy Educational Network. (Invited Speaker-Federal). American Physical Therapy Association-Combined Sections Meeting. Anaheim, CA, February 2016.

G. Academic or Research Awards:

1. Koppenhaver S, et al. Army Medical Specialist Corps Best Abstract Research Award 2016
2. Koppenhaver S, et al. Best Poster, AMEDD Graduate School Faculty Development and Research Symposium 2016
3. Koppenhaver S, et al. Best Platform, AMEDD Graduate School Faculty Development and Research Symposium 2016
4. Koppenhaver S, Croy T, et al. 2015 International Journal of Sports Physical Therapy Best Original Research Award 2016
5. Painter E, Deyle G, Petersen E, Croy T, Allen C, Rivera K. Best Platform Presentation Foot / Ankle. Presented at: The American Academy of Orthopaedic Manual Physical Therapists Manual therapy following immobilization for stable ankle fracture: a case series, OCT 2016.
6. Thelen M. COL David G. Greathouse Research Award US Army – Baylor University DPT Program 2016
7. Thelen M. Best Research Abstract US Army, Mary Lipscomb Hamrick SP Corps Research Course 2016

III. Army-Baylor Graduate Program in Health & Business Administration

A. Publications:

1. Childs, J. D., Fritz, J. M., Wu, S. S., Flynn, T. W., Wainner, R. S., Robertson, E. K., Kim, F. S., & George, S. Z. (2015). Implications of early and guideline adherent physical therapy for low back pain on utilization and costs. *BMC health services research*, 15(1), 150.
2. Switaj, T.L. Leadership book series: if Disney ran your hospital. (2015). *The Uniformed Family Physician*, 9(1), 29.
3. Weigel, F.K., Switaj, T.L., Hamilton, J. (2015). Leveraging health information technology to improve quality in federal healthcare. *US Army Med Dep J*, Oct-Dec, 68.
4. Richter, J., & Muhlestein D. Patient Experience & Hospital Profitability: Is There a Link. (2016). *Health Care Management Review*
5. Richter, J., & McAlearney, A. Targeted Implementation of the Comprehensive Unit-Based Safety Program Through an Assessment of Safety Culture to Minimize Central Line-Associated Bloodstream Infections. (2016). *Health Care Management Review*
6. Mazurenko, O., Richter, J., Swanson-Kazley, A., Ford, E. Examination of the relationship between management and clinician agreement on communication openness, teamwork and patient satisfaction. (2016). *Journal of Hospital Administration*, 5(4).
7. Little, K., Forman, J., Martinez, K., Richter, J., & Wade. Improving Medical Readiness and Reducing Costs are Achievable Now: An Analysis of the

- Factors that Influence Site Selection for Army Outpatient Surgical Services. (Accepted). *Journal of Healthcare Management*.
8. Snavelly, T.M. A brief economic analysis of the looming nursing shortage in the United States. (2016). *Nursing Economics*, 34(2), 98-100.
 9. Snavelly, T.M. Leveraging big data analytics within healthcare. (2016). *Journal of Managed Care Nursing*, 3(1), 4-6.
 10. Switaj, T.L. Leadership book series: good to great. (2016). *The Uniformed Family Physician*, 9(4), 30.
 11. Nelson, A., Wolcott, V., & Kurina, L. Prediction of all-cause occupational disability among US Army soldiers (2016) *Occup Environ Med*.
 12. Nelson, A., Deuster, P., Carter, R., Hill, O., Wolcott, V., & Kurina, L. Sickle Cell Trait, Rhabdomyolysis, and Mortality among U.S. Army Soldiers. (2016). *New England Journal of Medicine*.
 13. Beauvais, B., Richter, J., Brezinski, P., & Kim, F. (accepted). Fix these first: How the world's leading companies point the way towards high reliability in the Military Health System. *Journal of Healthcare Management*.
 14. Beauvais, B., Richter, J., Cuyler, M., Bewley, L., & Kim, F. (accepted). Portfolio development to guide competency assessment & disseminate health system leading practices – Results from the Arm-Baylor residency experience. *Journal of Health Administration Education*.
 15. Beauvais, B., Kim, F., Cuyler, M., Richter, J., Johnson, L., & Mangelsdorff, A.D. (in press). Developing the BEAR - assessing student competency development in graduate health management education. *Journal of Health Administration Education*.
 16. Richter, J. Mazurenko, Kazley, & Ford, E. How Differences in Manager and Clinician Perceptions of Safety Culture Impact Hospital Processes of Care. (Accepted). *Journal of Patient Safety*.
 17. Hurley, P., Dhir, A., Gao, Y., Drabik, B., Lim, K., Curry, J., Womble, P., Linsell, S., Brachulis, A., Sexton, D., Ghani, K., Denton, B., Miller, D., & Montie, J. A State-wide Intervention Improves Appropriate Imaging in Localized Prostate Cancer. (Accepted). *The Journal of Urology*.

B. Published Abstracts: None.

C. Platform Presentations:

1. Zucker, K., Kruse, S., and Boyle, M. Participation of Physicians and Lawyers in Racial Hygiene Programs of the Third Reich, Presented at the Annual Meeting of American College of Legal Medicine Meeting, Austin, Texas, February, 2016.
2. Hartstein, B. Nurse Advice Line Impact on Non-Urgent Emergency Department Utilization. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
3. Besser, C. Assessing diagnosis of adolescents with depression when including a behavioral health provider within the Army Patient-Centered Medical Home model. Presented at the 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April 21, 2016

4. Peacock, T. Creating and Orchestrating Heterarchical Advantage in the Global and Local Context. Panel presentation at Academy of International Business, June, 2016.
 5. Peacock, T. Creating and Orchestrating Heterarchical Advantage in the Global and Local Context. Panel presentation at Academy of Management, August, 2016.
 6. Jones, A. U.S. Healthcare System: Emerging Trends and Research Opportunities. Panel presentation at Southern Management Association, October, 2016.
- D. Poster Presentations
1. Burrows, C., Collette, T., and Heninger, J. The Ethics of Grateful Patient Programs, Annual Meeting of the American College of Legal Medicine, Austin, TX, February, 2016.
 2. Cruse, S., Boyle, M. & Zucker, K. Ethics in Film: An Example Using the Film Bridge on the River Kwai, Annual Meeting of the American College of Legal Medicine, Austin, TX, February, 2016.
 3. Gilbert, J., Tansey, K., Taylor, G., Kruse, S., Zucker, K. & Boyle, M. Exploring the Ethical Considerations of the Army Assignment Policy for Soldiers Who Are HIV+ Using the Army-Baylor 7-Step Model Modified for Organizational Ethical Decision-Making, Annual Meeting of the American College of Legal Medicine, Austin, TX, February, 2016.
 4. Harris, A., Neuenswander, J., Wiesehan, E., Brooks, T., Kruse, S., & Zucker, K. Ethical Use of Antibiotics: Approaching Ethical Decision-Making Through the Army – Baylor Model, Annual Meeting of the American College of Legal Medicine, Austin, TX, February, 2016,
 5. Harris, E., Lumba, C., & Zucker, K. Physician Orders for Life Sustaining Treatment (POLST): A New Normal, Annual Meeting of the American College of Legal Medicine, Austin, TX, February, 2016.
 6. Martinez, K. Forman, J., Little, K., Brooks, T., Zucker, K., & Boyle, M. The Ethics of Allocating Experimental Treatment for the Ebola Virus: Applying the Army-Baylor 7-Step Model for Organizational Decision-Making, Annual Meeting of the American College of Legal Medicine, Austin, TX, February, 2016.
 7. Moore, M., Ruiz, I., Lux, B., Boyle, M., Brooks, T., Kruse, S. & Zucker, K. Adjusting for Risks Under P4P Measures for Socioeconomic Factors, Annual Meeting of the American College of Legal Medicine, Austin, TX, February, 2016.
 8. Shaw, R., Prather, D., Hairston, J., Zucker, K., Brooks, T. & Boyle, M. Direct-to-Consumer Pharmaceutical Advertisement: Army – Baylor 7-Step Method Modified for Organizational Ethical Decision-Making, Annual Meeting of the American College of Legal Medicine, Austin, TX, February, 2016.
 9. Zucker, K., U.S. v. Karl Brandt: Why Do We Still Care? Annual Meeting of the American College of Legal Medicine, Austin, TX, February, 2016.
 10. Patricola, M., Powers, J., Beauvais, B., Richter, J., Kim, F., Weigel, F., Brezinski, P., Downs, L., & Mangelsdorff, A.D. The influence of CAMHE accreditation findings on program reputation on healthcare management

- program accreditation. Presented at 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April 21, 2016.
11. Wolcott, V., Hamilton, E., Hieb, P., Campbell, Y., Kim, F., Mangelsdorff, A.D., and Weigel, F. Factors Associated with Poor Health Behaviors in U.S. Army Organizations. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
 12. Walters, J., Farrow, S., Stressman, S., Wolcott, V., Wegner, M., Weigel, F., Mangelsdorff, A.D., & Kim, F. The Impact of Army Patient Centered Medical Homes on Emergency Room Visits presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
 13. Jones, Alan. Do Patient Experiences vary across groups of patients in Military Treatment Facilities? Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
 14. Johnson, L. Crosswalk of The Leadership Challenge with Change in High Reliability Organizations. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
 15. Switaj, T. Reconceptualizing our health literacy approach to improve population health, Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
 16. Martinez, K., Little, K., Forman, J., Richter, J., & Wade. Improving Medical Readiness and Reducing Costs are Achievable Now: An Analysis of the Factors that Influence Site Selection for Army Outpatient Surgical Services. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
 17. Kessinger, S. Mobility Performance Improvement Project: Phase I. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
 18. Besser, C. Assessing Diagnosis of Adolescents with Depression when Including a Behavioral Health Provider Within the Army Patient Centered Medical Home Model. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
 19. Hurtle, S. & Walz, T. The Value of Organizational Ethics Committees in Healthcare Organizations. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
 20. Powers, J., & Patricola, M. The Effects of CAHME Accreditation Findings on Healthcare Management Programs. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
 21. Moore, M. Going Green in the Operating Room. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
 22. Slayden, M., Kilgore, W., Weigel, F., & Wolcott, V. Impact of Unit Demographics on Opioid Prescription Rates. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
 23. Davis, R. Hamilton, J., Rogers, J., CPT Jill Rogers, Jackson, E., & Croy, T. Implementation and analysis of the Physical Therapy Centralized Application Service on US Army Baylor DPT Admissions: A business case analysis. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.

24. McGee, J. Annual resource management training: Understanding tools used to manage financial resources. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
25. Mangelsdorff, A.D. Impact of Army-Baylor Univ. MHA Alumni on Senior Healthcare Leadership. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
26. Broussard, J., Houhoulis, P., Weigel, F., & Wolcott, V. Community Effects on Opioid Prescribing Rates. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
27. Snavelly, T., Adams, T., Kim, F., Garrett, T., & Hart, J. Pre-Admission Criteria Associated with Attrition in the United States Army Graduate Program in Anesthesia Nursing. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
28. Eaves, T., Quinn, B., & Kim, F. The Impact of Military Unit Demographics on Outpatient Healthcare Utilization. Presented at AMEDD Graduate School Research Symposium, Fort Sam Houston, TX, April, 2016.
29. Jones, A. Do Patient Experiences vary across groups of patients in Military Treatment Facilities? Presented at the 7th Annual Frontiers in Translational Science Research Day, UTHSCSA, San Antonio, TX, April 27, 2016.
30. Sexton, D. Implementing evidence-based practice: An analysis of the theoretical domains framework and other factors affecting intention to follow the innovation. Presented at 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April 27, 2016.
31. Johnson, L. Crosswalk of The Leadership Challenge with Change in High Reliability Organizations. Presented at 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April 27, 2016.
32. Richter, J., & McAlearney, A. Patient safety culture and blood stream infection rates: A mixed methods study. Presented at 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April 27, 2016.
33. Heffner, D. The Effect of Obstetrics Outcomes on Obstetrics Patient Satisfaction at the Hospital Level. Presented at 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April 27, 2016.
34. Kilgore, W. Impact of Unit Demographics on Opioid Prescription Rates. Presented at 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April 27, 2016.
35. Little, K. Improving Medical Readiness and Reducing Costs are Achievable Now: An Analysis of the Factors that Influence Site Selections for Army Outpatient Surgical Services. Presented at 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April 27, 2016.
36. Powers, J. The Effects of CAHME Accreditation Findings on Graduate Healthcare Management Program Outcomes. Presented at 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April 27, 2016.
37. Mangelsdorff, D.A. Classroom scenarios for Community Disaster Preparedness, Group Dynamics and Competency Development. Presented at

7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April 27, 2016.

38. McGee, J. Realizing associations between staff and patient satisfaction, and discovering the patient management relationship. Presented at 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April 27, 2016.
39. Slayden, M. Impact on Diagnosing Adolescents with Attention Deficit Hyperactivity Disorder by Embedding Behavioral Health Providers in a Patient Center Medical Home. Presented at 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April 27, 2016.
40. Switaj, T. Health literacy: a continuing struggle for U.S. Healthcare. (Poster) American Association for Physician Leadership Annual Meeting, April 2016, Washington, DC.
41. Johnson, L. Crosswalk of The Leadership Challenge with Change in High Reliability Organizations. Presented at the AUPHA Annual Meeting, Kansas City.
42. Richter, J., & Muhlestein. Patient Experience and Hospital Profitability: Is There a Link? Presented at AcademyHealth June 27, 2016.
43. Mazurenko, Richter, J., Kazley, Ford, E. The Relationship Between the Patient Safety Culture and Patient Satisfaction. Presented at AcademyHealth June 27, 2016.
44. Richter, J., Mazurenko, Kazley, Ford, E. The Impact of Manager and Clinician Perceptions of Teamwork and Communication on Hospital Processes of Care. Presented at AcademyHealth June 27, 2016.
45. Soo-Hoon, Richter, J., Phan. The Relative Impact of Unit Based Teams on Perceptions of Patient Safety: Evidence from Hsops. Presented at AcademyHealth June 27, 2016.

E. Grant Funding Awarded: (Total: \$85,000)

1. Sexton, D. High Reliability Healthcare Course (Quality Manager). 40-hour competency development course for Quality Managers in the Military Health System. Cohort included 60 professionals from the Defense Health Agency, Army Medical Department, Navy Medicine, and the Air Force Medical Operations Agency. Study competency development and social network analysis of attendees. (\$85K, AMEDD PPSCP).

F. Invited Lecture:

1. Kim, F. Commission on the Accreditation of Healthcare Management Education Accreditation Council Meeting, Alexandria, VA (Oct 22, 2016) "Competency Assessment: It's About the Conversation"
2. Kim, F. Patient Administration Course, San Antonio, TX (Aug 23, 2016) "Army-Baylor Day: Introduction to US Healthcare System, Introduction to Metrics, Introduction to Statistics, Introduction to Marketing and Strategy"
3. Kim, F. Interservice Physicians Assistant Course, San Antonio, TX (Jul 26, 2016) "Socioeconomic Issues Affecting Health Care"

4. Kim, F. Defense Institute for Medical Operations, San Antonio, TX (Jun 10, 2016) "Population Health & Resource Management"
5. Kim, F. Defense Institute for Medical Operations, San Antonio, TX (Jun 10, 2016) "Healthcare Systems & Data Analysis"
6. Kim, F. Army-Baylor Doctor of Physical Therapy Program, Executive Leadership & Management Seminar, San Antonio, TX (Apr 26, 2016) "Development of Leadership Competencies & Mentoring"
7. Kim, F. Interservice Physicians Assistant Course, San Antonio, TX (Apr 12, 2016) "Socioeconomic Issues Affecting Health Care"
8. Kim, F. Interservice Physicians Assistant Course, San Antonio, TX (Mar 30, 2016) "Socioeconomic Issues Affecting Health Care"
9. Kim, F. Patient Administration Course, San Antonio, TX (Feb 5, 2016) "Army-Baylor Day: Introduction to US Healthcare System, Introduction to Metrics, Introduction to Statistics, Introduction to Marketing and Strategy"
10. Jones, A. MEDCOM Senior Leader's Conference, San Antonio, TX (Apr 8, 2016) Panel Member "Meet the Challenge: Access to Care in the MHS"
11. Kim, F. Interservice Physicians Assistant Course, San Antonio, TX (Nov 29, 2016) "Socioeconomic Issues Affecting Health Care"
12. Sexton, D. "Overview of high reliability organizations." Presentation to Brig Gen James Burks and the Air Force Medical Service Corps Council, Air Force Medical Operations Activity, San Antonio, TX. September, 22, 2016
13. Sexton, D. "Organizing for high reliability." Presentation to Brig Gen James Burks and the Air Force Medical Service Corps Council, Air Force Medical Operations Activity, San Antonio, TX. September, 22, 2016
14. Sexton, D. "Healthcare Management." Presentation for the Board of Governor's Exam Prep Course, South Texas American College of Healthcare Executives, San Antonio, TX. April 6, 2016
15. Zucker, K. "Federal Healthcare Providers and the Federal Tort Claims Act." Army – Baylor Doctor of Physical Therapy Program, San Antonio, TX. May, 2016.
16. Zucker, K. "The Basics of Bioethics." Army – Baylor Doctor of Physical Therapy Program, San Antonio, TX. May, 2016.
17. Zucker, K. "Chosing Right in the Face of Might: A Condemnation of Nazi Racial Hygiene Programs." Army – Baylor Doctor of Physical Therapy Program, San Antonio, TX. May, 2016.

G. Academic or Research Awards:

1. Lux, B. Basamante Prize, Best Poster Presentation by a Student, Annual Meeting of the American College of Legal Medicine, Austin, TX, February, 2016.
2. Hartstein, B. Best Research Abstract, AMEDD Graduate School Research Symposium, April, 2016
3. Mangelsdorff, A.D.
 - a. Instructor of the Year: Army-Baylor University Graduate Program in Health and Business Administration, June, 2016
 - b. Best Poster Presentation, 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April, 2016

4. McGee, J. Best Student Poster Presentation, 7th Annual Frontiers of Translational Science Research Day, UTHSCSA, San Antonio, TX, April, 2016
5. Moore, M. Best Student Poster Presentation, AMEDD Graduate School Research Symposium, April, 2016
6. Richter, J
 - a. Researcher of the Year: Army-Baylor Graduate Program in Health and Business Administration, June, 2016
 - b. Distinguished Faculty Service Award: Army-Baylor University Graduate Program in Health and Business Administration, June, 2016
7. Slayden, M. Best Student Poster Presentation, AMEDD Graduate School Research Symposium, April, 2016

IV. Army MSW Program

A. Publications:

1. 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.
2. 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* (5th ed.). (273-287). Botsford, CT: NACSW Press.
3. 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.
4. 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.
5. 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 65th 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. *Driven to attachment: Using family circles in substance abusing families*. Army Substance Abuse Program: Advanced Counseling Course. San Antonio, TX. April 26, 2016.
2. 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**

A. Publications:

1. Harrison, R.S. Four Pillars of the PA Profession, Chapter of Army PA Profession, Borden Books (Published, 2016)
2. Harrison, R.S. The Interservice Physician Assistant Program (IPAP): Education Quantity and Quality (Published Dec, 2015)
3. Kroger, S. The Interservice Physician Assistant Program (IPAP): Education Quantity and Quality (Published Dec, 2015)
4. Perry, R. Military Medicine: Chapter 44. Physician Assistant: A Guide to Clinical Practice, 6th Ed. (Published Dec 2015)

B. Published Abstracts: None.

C. Platform Presentations:

1. Spiehs, C. A Comparison of Conventional and Novel Treatments for Crohn's Disease. Graduate School Research Symposium (2016).

D. Poster Presentations:

1. Gianelle, M. Recognition and Prevention of Neurodegenerative Effects of Head Injuries. Graduate School Research Symposium (2016).
2. Harrison, R.S. The Interservice Physician Assistant Program (IPAP): Education Quantity and Quality. Graduate School Research Symposium (2016)
3. Hough, C. Vaccine Administration in Patients with Inflammatory Bowel Disease. Graduate School Research Symposium (2016).

E. Grant Funding Awarded: None.

F. Invited Lecture:

1. Booker, H. UTHSC PA Program, 2016. (Application of Clinical Radiology)
2. Freilino, J. Air Force PA CME Conference, 2016. (Common ENT issues in Pediatrics)
3. Guevara, V. Army-Baylor DPT Program, 2016. (Cardiac Murmurs and Lab)
4. Harrison, R.S. Air Force PA CME Conference, 2016 (The Latest on PA Certification from NCCPA)
5. Kroger, S.M. Army-Baylor DPT Program, 2016. (Somatic and Pharmacologic Treatment in Psychiatry)
6. Odina, M. Air Force PA CME Conference, 2016. (Berger's Disease: A Common Cause of Hematuria and Proteinuria)
7. Perry, R.W. Army-Baylor Physical Therapy Conference, 2016 (Abdominal Examination Workshop)
8. Perry, R.W. Army-Baylor DPT Program, 2016 (Genitourinary Differential Diagnosis for Back/Flank Pain)
9. Perry, R.W. Army-Baylor DPT Program, 2016 (Dermatology Lecture)
10. Salyars, K. Air Force PA CME Conference, 2016. (Endocrinology: A PANRE Review)
11. Salyars, K. AAPA Conference, 2016. (Treating Service Members in Civilian Practice.)
12. Schultz, W. Air Force PA CME Conference, 2016. (Phase 2 Program Directors Brief)
13. Villarreal, R. Air Force PA CME Conference, 2016. (Non-Invasive Pre-Natal Treatments)
14. Wallace, C. Air Force PA CME Conference, 2016. (Point of Care Ultrasound)
15. Walters, T. Air Force PA CME Conference, 2016.(Insomnia: An Update on Treatment)
16. Walters, T. University of Arkansas Medical Center, 2016. (Insomnia: A Refresher)
17. Weber, R. Air Force PA CME Conference, 2016. (PA Specialties, Promotion Brief)

G. Academic or Research Awards: None.

VI. US Military Graduate Program in Nutrition

A. Publications:

1. Wax SG, Stankorb SM. Prevalence of food insecurity among military households with children 5 years of age and younger. Pub Health Nutr. 2016;19(13):2458-66.
2. Daigle KA, Logan CM, Kotwal RS. Comprehensive Performance Nutrition for Special Operations Forces. JSOM 2015;15(4):40-53.

3. Barringer, N.D., Kotwal, R.S., Lewis, M.D., Funderburk, L.K., Elliott, T.R., Crouse, S.F., Smith, S.B., Greenwood, M. and Kreider, R.B., 2016. Fatty Acid Blood Levels, Vitamin D Status, Physical Performance, Activity, and Resiliency: A Novel Potential Screening Tool for Depressed Mood in Active Duty Soldiers. *Mil Med.* 2016;181(9): 1114-20.
4. Barringer ND, Crombie AP. Chapter 6: Tactical Fueling. In *National Strength and Conditioning Association's Essentials of Tactical Strength and Conditioning*. [In Review].
5. Holly L. McClung, Catherine M. Champagne, H. Raymond Allen, Susan M. McGraw, Andrew J. Young, Scott J. Montain, Aaron P. Crombie. Digital Food Photography Technology Improves Efficiency and Feasibility of Dietary Intake Assessments in Large Populations Eating Ad Libitum in Collective Dining Facilities. *J Acad Nutr Diet.* 2016 [In Review]
6. Barringer N. Rooney M. The Rush: How Speed Can Save Lives. *Infantry Journal.* 2016;Apr-Jul:09-12.
7. Bustillos, B.D. Interview with Huffpost Science. "Yes, There's a Scientific Reason We Get Hangry." *Huffington Post*, 23 October 2015.

B. Published Abstracts:

1. Asma S. Bukhari, Aaron P. Crombie, Susan M. McGraw, Catherine Champagne, Ray Allen, Scott J. Montain, Andrew J. Young. Impact of Military Dining Facility Serving Modifications on the Nutritional Intake of Special Operations Personnel. *Experimental Biology*, San Diego, CA, Apr 2016.

C. Platform Presentations: None

D. Poster Presentations:

1. Asma S. Bukhari, Aaron P. Crombie, Susan M. McGraw, Catherine Champagne, Ray Allen, Scott J. Montain, Andrew J. Young. Impact of Military Dining Facility Serving Modifications on the Nutritional Intake of Special Operations Personnel. *Experimental Biology*, San Diego, CA, Apr 2016.
2. Barnes C, Carroll S, Stewart J, Meyer S "Weight and Over-Fat Status of Soldiers Entering the Army MOVE! Program." *Nutrition Care Division, Madigan Army Medical Center, MAMC Research Day.* April 2016.
3. Brown R. *AMEDDC&S Graduate School Research Symposium.* 21-21 April 2016.
4. Cardenas A. *AMEDDC&S Graduate School Research Symposium.* 21-21 April 2016.
5. Richards J. *AMEDDC&S Graduate School Research Symposium.* 21-21 April 2016.
6. Schaad K. *AMEDDC&S Graduate School Research Symposium.* 21-21 April 2016.
7. West J. *AMEDDC&S Graduate School Research Symposium.* 21-21 April 2016.

E. Grant Funding Awarded: (Total: \$24,000)

1. The Effects of a Nootropic Supplement on Marksmanship in Active Duty Soldiers \$24K.

F. Invited Lectures:

1. Brown T. "Performance Triad University (P3U)." Basic Officers Leadership Course. AMEDDC&S, JBSA, TX. 06 October 2015.
2. Barringer ND. "The Performance RD: Roles, Responsibilities, and Practices." University of Puget Sound Doctorate of Physical Therapy Students. 07 October 2015.
3. Barringer ND. "Fueling the Fight: Performance Nutrition for the Tactical Athlete." STAND. San Antonio, TX. 15 October 2015.
4. Barringer ND. "Exploring the relationship between physical performance, activity, blood lipid values, vitamin D and mood." NSCA Tactical Strength and Conditioning Annual Training. San Diego, CA. 26 April 2016.
5. Barringer ND. "Sunshine & Sushi: Why the Athlete Should Care About Omega-3s & Vitamin D." NSCA Texas State Clinic, Texas A&M University, College Station, TX. 21 May 2016.
6. Funderburk LK. "Nutritional Supplements." NSCA Texas State Clinic, Texas A&M University, College Station, TX. 21 May 2016.

G. Academic or Research Awards:

1. Crombie AP. AMEDDC&S HRCoE Instructor of the Quarter, Q2, AY2016.

Hospital Based Programs

VII. Army-Baylor University Doctoral Fellowship in Orthopaedic Manual Physical Therapy

A. Publications:

1. Deyle GD, Gill NW, Rhon DI, Allen CS, Allison SC, Hando BR, Petersen EJ, Dusenberry DI, Bellamy N. A multicentre randomised, 1-year comparative effectiveness, parallel-group trial protocol of a physical therapy approach compared to corticosteroid injections for patients with knee osteoarthritis. *BMJ Open*. 2016 Mar 31;6(3):e010528. PMID: 27033961; PubMed Central PMCID: PMC4823390.

B. Published Abstracts: None.

C. Platform Presentations:

1. Baker SE. Dry needling for plantar heel pain. Platform Presentation October 2015. Annual Conference of the American Academy of Orthopedic Manual Physical Therapists. Louisville, KY.
2. Painter EE. Manual Therapy Following Immobilization for Stable Ankle Fracture. Platform Presentation October 2015 Annual Conference of the American Academy of Orthopedic Manual Physical Therapists. Louisville, KY.

D. Poster Presentations: None.

E. Grant Funding Awarded: (Total: \$174,000)

1. Allen CS, Deyle GD. The use of real-time feedback to improve learning of joint mobilization techniques for the knee. Army Advanced Medical Technology Initiative (AAMTI) Grant. \$174,000. Awarded Dec 2015.

F. Invited Lectures:

1. Deyle GD. Evidence-based Principles of Diagnosis and Screening in Physical Therapy. Brooke Army Medical Center, San Antonio, TX. April 2016.
2. Allen CS, Condon RP. Manual Physical Therapy Management of Lumbar Spine and Shoulder Disorders. Audie L. Murphy Memorial VA Hospital, San Antonio, TX. July 2016.

G. Academic or Research Awards:

1. Painter EE. Best platform presentation, 2015 AAOMPT Annual Conference. Manual Therapy Following Immobilization for Stable Ankle Fracture. October 2015 Annual Conference of the American Academy of Orthopedic Manual Physical Therapists. Louisville, KY.
2. Deyle GD. 2016 SAUSHEC Clinical Excellence Educator Award.

VIII. **Doctorate in Physical Therapy (Sports Medicine)**

A. Publications:

1. Warr BJ, Fellin RE, Sauer SG, Goss DL, Frykman PN, Seay JF. Characterization of Foot Strike Patterns: Lack of an Association with Injuries or Performance in Soldiers. *Mil Med*: 2015;180(7):830-834.
2. Mason JS, Crowell MS, Goss DL. Fracture of the Scaphoid During a Bench Press Exercise. *J Orthop Sports Phys Ther*. 2015; 45(8):642.
3. Goss DL, Lewek MD, Yu B, Ware WB, Teyhen DS, Gross MT. Biomechanics of Runners Wearing Traditional and Minimalist Footwear. *J Ath Train*. 2015; 50(6):603-611.

4. Cordova, C., Dembowski, S., Johnson, M., Combs, J., Svoboda, S. Osteoid Osteoma of the Femoral Neck in Athletes: Two Case Reports Differentiating From Femoral Neck Stress Injuries. *Sports Health*; October 2015.
5. Mendola JA, Johnson M, Goss DL, Fibular Fracture in a Female Rugby Player. *J Orthop Sports Phys Ther.* 2016;46(7): 608.

B. Published Abstracts:

1. Hearn D, Rhon D, Thelen M, Goss D, Stoltenberg B. 2016. Baseline Performance on a Novel Field-Expedient Musculoskeletal Readiness Screening Tool in Military Trainees. *J Orthop Sports Phys Ther.* 2016; January.
2. Thelen M, Koppenhaver S, Goss D, Phillips A, Zevan K, Hoblet J, Dailey N. 2016. Predictive and Convergent Validity of a Novel Musculoskeletal Readiness Screening Tool for Military Service Members. *J Orthop Sports Phys Ther.* 2016; January.

C. Platform Presentations: None.

D. Poster Presentations:

1. Westrick RB, Crowell M. The Use of Musculoskeletal Spot Fluoroscopy by Active Duty Military Physical Therapists in a Direct-Access Sports Physical Therapy Setting. (Poster) American Physical Therapy Association Combined Sections Meeting. Indianapolis, IN, February 2016.
2. Hearn D, Rhon D, Thelen M, Goss DL, Stoltenberg B. 2016. *Baseline Performance on a Novel Field-Expedient Musculoskeletal Readiness Screening Tool in Military Trainees.* (Poster) American Physical Therapy Association Combined Sections Meeting, Anaheim, CA. February 2016.
3. Thelen M, Koppenhaver S, Goss DL, Phillips A, Zevan K, Hoblet J, Dailey N. 2016. *Predictive and Convergent Validity of a Novel Musculoskeletal Readiness Screening Tool for Military Service Members.* (Poster) American Physical Therapy Association Combined Sections Meeting, Anaheim, CA. February 2016.
4. Morris JB, Goss DL, Florkiewicz EM, Davis IS, 2016. Using Real-Time Biofeedback to Alter Running Biomechanics: A Randomized Controlled Trial at the 6 Month Follow-Up. (Poster) American College of Sports Medicine Annual Symposium, Boston, MA June 2016.
5. 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 (Poster) American College of Sports Medicine Annual Symposium, Boston, MA. June 2016.
6. 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. (Poster) American College of Sports Medicine Annual Symposium, Boston, MA. June 2016.

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. (Poster) American Society of Biomechanics Annual Meeting, Raleigh, NC. August 2016.
8. Florkiewicz EM, Morris JB, Goss DL, 2016. Validity and Reliability of Video-Based Identification of Step Rate and Foot Strike Pattern in Runners. (Poster) American Society of Biomechanics Annual Meeting, Raleigh, NC. August 2016.
9. Wernecke CR, Florkiewicz EM, Morris JB, Goss DL, 2016. Evaluation of a Running Sock Designed to Provide Real-Time Biofeedback to Runners. (Poster) American Society of Biomechanics Annual Meeting, Raleigh, NC. August 2016.

E. Grant Funding Awarded: (Total: \$369,000)

1. Goss, DL. Gait Re-Training in Runners with a History of Lower Extremity Injury: Public Health Command Grant. \$60,000. Awarded August 2016.
2. Mason J, Dolbeer K, Goss DL. Using Blood Flow Restriction Training to Prevent Muscle Atrophy Following Knee Surgery: A Randomized Controlled Trial. Telemedicine & Advanced Technology Research Center (TATRC) AMEDD (Advanced Medical Technology Initiative). \$59,000. Awarded: October 2015. Goss DL, Weart AW, Florkiewicz EF, Johnson MJ, Zifchock R, Freisinger G. Evaluation of the Novel 3 Sensor Pedoped Insole in Detection of Running Parameters and the Usefulness of the Pedoped in Assisting Runners Attempting to Transition Foot Strike Patterns: Joint Program Committee-5: Injury Prevention Line. \$250,000. Awarded: March 2016.

F. Invited Lectures:

1. Running: An Evidence Based Update: Fort Sam Houston, TX. November 2015.
2. Goss DL. Direct Access and Radiology Imaging by Military PTs. Baylor University KACH D1 Sports PT Fellowship. West Point, NY. August 2016.
3. Halle, R. Advanced Treatment on the Battlefield: Integrating Dry Needling into your Approach. American Physical Therapy Association Combined Sections Meeting. Indianapolis, IN, February 2016.

G. Academic or Research Awards: None.

IX. Doctorate in Occupational Therapy

A. Publications:

1. Sposato, L., & Amorelli, C. (2016). War and rehabilitation: Occupational therapy's power to transform disability into ability. US Army Med Dep J. January-March; 35-38.
2. Amorelli, C. R., Baumann, M. L., Yancosek, K. E., Keizer, B. M., Stinner, D. J., Wilken, J. (2016). Center for the Intrepid: Providing patients POWER. US Army Med Dep J. M. January-March; 39-46.

3. Smith-Forbes, E. V., Howell, D. M., Willoughby, J., Pitts, D. G., Uhl, T. L., (2016). Specificity of the minimal clinically important difference of the quick Disabilities of the Arm Shoulder and Hand (QDASH) for distal upper extremity conditions. *Journal of Hand Therapy*. 29(1):81–88.
4. Odom, K. (2016). Combating the Suicide Epidemic: The effects of leisure engagement on the incidence of depression and poor life satisfaction in soldiers, *Occupational Therapy in Mental Health*, 32:1, 70-85.
5. Luken, M., & Sammons, A. (2016). Systematic review of mindfulness practice for reducing job burnout. *American Journal of Occupational Therapy*, 70,7002250020.<http://dx.doi.org/10.5014/ajot.2016.016956>.
6. Amorelli, C, R. (2016). Psychosocial occupational therapy interventions for substance-use disorders: A narrative review, *Occupational Therapy in Mental Health*, 32:2, 167-184.
7. Smith-Forbes, E. V., Quick, C. D., Brown, K, M. (2016). Roles of occupational therapists in theater, past and present. *US Army Med Dep J*. April-September; 66-70.
8. Sposato, L. (2016). A new normal: Life after quadruple amputation. *OT Practice*; 21(8):8-10.
9. Springer, J. (2016). Andrey's story: Ukrainian soldier facilitates cultural sensitive OT. *OT Practice*; 21(8):11-13.
10. Keizer, B., Sposato, L., & Yancosek, K. (2016). A progressive treatment for a chronic progressive disease: The war against complex regional pain syndrome. *The Pain Practitioner Magazine*. Spring 20; 26(1):26-31.
11. Dy, L. B., & Yancosek, K. E. (2016). Introducing purposeful activity kits in a hand rehabilitation practice: Effects on clinical practice patterns and job satisfaction among occupational therapy practitioners. *Hand Therapy*. 0(0):1-10.
12. Smith-Forbes, E. V., Howell, D. M., Willoughby, J., Armstrong, H., Pitts, D. G., Uhl, T. L. (2016). Adherence of individuals in upper extremity rehabilitation: A qualitative study. *Archives of Physical Medicine and Rehabilitation*, 97(8):1262–1268.

B. Published Abstracts:

1. Smith-Forbes, E., Howell, D., Willoughby, J., Pitts, G., Uhl, T. L., (2016). Minimal clinical important difference of the Quick Disabilities of the Arm Shoulder and Hand (QuickDASH) for Post-surgical Distal Radius Fractures. *Journal of Hand Therapy*, Volume 29 , Issue 3 , 360.
2. Smith-Forbes, E., Howell, D., Morgan, K., Clark, S., Willoughby, J., Armstrong, H., Pitts, G., Uhl, T. L. (2016). Experiences of individuals in upper extremity rehabilitation with incongruence between their QuickDASH and GROC scores: A phenomenological study. *Journal of Hand Therapy*, Vol. 29, Issue 3, p358.

C. Platform Presentations:

1. Baumann, M. L., Cancio, J. M., Yancosek, K. E. (March, 2016). The suitcase packing activity: A new clinical test for evaluating hand function. American Society of Hand Therapy conference. (Platform) Washington, DC.
2. Amorelli, C, R., Yancosek, K. E. (2016, April). Amputees Unanimous: A 12-Step Program. SAUSHEC Research Day, San Antonio Military Medical Center. (Poster) Fort Sam Houston, TX.
3. Amorelli, C, R., Yancosek, K. E. (2016, June). 30th Annual National Amputee Coalition Conference. Amputees Unanimous: A 12-Step Program. (Platform) Greensboro, NC.
4. Smith-Forbes, E., Howell, D., Willoughby, J., Pitts, G., Uhl, T. L., (2016, August). Minimal Clinically Important Difference of the Quick Disabilities of the Arm Shoulder and Hand (QuickDASH) for Post-surgical Distal Radius Fractures. Military Health System Research Symposium. (Platform) Orlando, FL.
5. Cancio, J. M., Sposato, L., Yancosek, K. E. (2016, August). Psychosocial Reactions to Upper-Extremity Limb Salvage: A Cross-Sectional Study. Military Health System Research Symposium. (Platform) Orlando, FL.

D. Poster Presentations:

1. Sposato, L., Cancio, J. M., Yancosek, K. E. (2016, March). Psychosocial Reactions to Upper-Extremity Limb Salvage: A Cross-Sectional Study. Texas Society for Hand Therapy conference. (Poster) Houston, TX.
2. Baumann, M. L., Cancio, J. M., Yancosek, K. E. (2016, March). The suitcase packing activity: A new clinical test for evaluating hand function. Texas Society for Hand Therapy conference. (Poster) Houston, TX.
3. Springer, J. A., Yancosek, K. E. (March, 2016). Mobile Technology: Effects on Participation, Occupation, and Wellness. Ohio Occupational Therapy Associations Annual Conference. (Poster) OH.
4. Smith-Forbes, E., Howell, D., Morgan, K., Clark, S., Willoughby, J., Armstrong, H., Pitts, G., Uhl, T. L. (2016, April). Adherence of Individuals in Upper Extremity Rehabilitation with Incongruence Between Their QDASH and GROC Scores. (Poster) Chicago, IL.
5. Amorelli, C, R., Yancosek, K. E. (2016, April). Amputees Unanimous: A 12-Step Program. 6th Annual Academy of Health Sciences Graduate School Research Day. (Poster) San Antonio, Texas.
6. Springer, J. A., Yancosek, K. E. (April, 2016). Mobile Technology: Effects on Participation, Occupation, and Wellness. Delaware Occupational Therapy Associations Annual Conference and Expo. (Poster) DE.
7. Baumann, M. L., Cancio, J. M., Yancosek, K. E. (2016, April). The suitcase packing activity: A new clinical test for evaluating hand function. 6th Annual Academy of Health Sciences Graduate School Research Day. (Poster) San Antonio, Texas.
8. Sposato, L., Cancio, J. M., Yancosek, K. E. (2016, August). Psychosocial Reactions to Upper-Extremity Limb Salvage: A Cross-Sectional Study. 6th

Annual Academy of Health Sciences Graduate School Research Day. (Poster) San Antonio, Texas.

9. Springer, J. A., Yancosek, K. E. (April, 2016). Mobile Technology: Effects on Participation, Occupation, and Wellness. 6th Annual Academy of Health Sciences Graduate School Research Day. (Poster) San Antonio, Texas.
10. Smith-Forbes, E., Howell, D., Willoughby, J., Pitts, G., Uhl, T. L., (2016, August). Minimal Clinically Important Difference of the Quick Disabilities of the Arm Shoulder and Hand (QuickDASH) for Non-surgical Lateral Epicondylitis. 6th Annual Academy of Health Sciences Graduate School Research Day. (Poster) San Antonio, Texas.
11. Springer, J. A., Yancosek, K. E. (November, 2016). Mobile Technology: Effects on Participation, Occupation, and Wellness. Canadian Institute for Military and Veteran Health Research Symposium. (Poster) Canada.

E. Grant Funding Awarded: None.

F. Invited Lectures: None.

G. Academic or Research Awards:

1. Baumann, M. L., Cancio, J. M., Yancosek, K. E. (March, 2016). The suitcase packing activity: A new clinical test for evaluating hand function. Best Scientific Research Award. Texas Society for Hand Therapy conference. (Poster) Houston, TX.
2. Springer, J. A., Yancosek, K. E. (April, 2016). Mobile Technology: Effects on Participation, Occupation, and Wellness. Best Scientific Poster Award. Delaware Occupational Therapy Associations Annual Conference and Expo. DE.
3. Baumann, M. L., Cancio, J. M., Yancosek, K. E. (September, 2016). The suitcase packing activity: A new clinical test for evaluating hand function. Best Scientific Research Award. American Society of Hand Therapy conference. (Platform) Washington, DC.

X. US Army-Baylor University Doctorate in Physician Assistant Studies (Emergency Medicine)

A. Publications:

1. Monti JD. A rare cause of abdominal pain and hypotension in pregnancy. JAAPA. 2016;29(11):31-34.
2. Beadle K, Heibling AR, Love SL. Inhaled isopropyl alcohol for treatment of nausea and vomiting in the emergency department: a randomized controlled trial. Ann Emerg Med. 2016;68(1):1-9.
3. Fossum K, Love SL, April MD. Topical ethyl chloride to reduce pain associated with venous catheterization: a randomized, cross-over trial. Am J Emerg Med. 2016;34(5):845-50.

4. April MD, Fossum K, Hounshell C. A sinister cause of anterograde amnesia: painless aortic dissection. *Am J Emerg Med.* 2015;33(7):989.
5. Waychoff M, April MD, Casmaer ML. Sexual Enhancer-Induced Vision Loss. *Am J Emerg Med.* 2016: S0735-6757(16)30588-5.
6. Zobrist B, Casmaer ML, April MD. Single rescuer ventilation using a bag-valve mask with internal handle: a randomized crossover trial. *Am J Emerg Med.* 2016 Sept;34(10):1991-1996.

B. Published Abstracts: None.

C. Platform Presentations:

1. Thompson SM. Comparison of the SALT airway system and the King LT for airway management by military medics. Is the SALT airway a superior alternative? (Platform) Graduate Faculty Research Symposium, Joint Base San Antonio, TX. September 2016.
2. Wilken ZL, Thompson SM. First Place Podium Presentation. Video Discharge Instructions: Helping Patients Leave Informed. William Beaumont Army Medical Center Research Day, Fort Bliss, TX. June 2016.
3. Fossum KL, Love SL, April MD. Topical ethyl chloride to reduce pain associated with venous catheterization: a randomized, cross-over trial. (Platform) San Antonio Military Health System and Universities Research Forum, San Antonio, TX. May 2016.
4. Zobrist B, Casmaer M. A Comparison of Bag-Valve-Mask (BVM) Ventilation Using a Standard vs a Modified BVM in a Manikin Model for the Single Rescuer. (Platform) San Antonio Military Health System and Universities Research Forum, San Antonio, TX. May 2016.
5. Driskell DL, Monti JD, Cronin AC, Gillum BG. Ultrasound Evaluation of Soft Tissue Foreign Bodies by U.S. Army Medics. (Platform) World Congress on Ultrasound in Medical Education Conference, Lubbock, TX. Sep 2016.
6. LaDuke MS, Cronin AJ, Gillum B, Monti JD. Ultrasound Detection of Soft Tissue Abscesses by Non-Physician US Army Medical Providers Naïve to Diagnostic Sonography. (Platform) Society of Emergency Medicine Physician Assistants, San Diego, CA. April 2016.
7. LaDuke MS, Cronin AJ, Gillum B, Monti JD. Ultrasound Detection of Soft Tissue Abscesses by Non-Physician US Army Medical Providers Naïve to Diagnostic Sonography. (Platform) Madigan Research Day, JBLM, WA. April 2016.

D. Poster Presentations:

1. Wilken ZL, Thompson SM. Video Discharge Instructions: Helping Patients Leave Informed. (Poster) Society of Emergency Medicine Physician Assistants, San Diego, CA. April 2016.
2. Thompson SM. Comparison of the SALT airway system and the King LT for airway management by military medics. Is the SALT airway a superior

- alternative? (Poster) Society of Emergency Medicine Physician Assistants, San Diego, CA. April 2016.
3. Wilken ZL, Thompson SM. Video Discharge Instructions: Helping Patients Leave Informed. (Poster) Graduate Faculty Research Symposium, Joint Base San Antonio, TX. September 2016.
 4. Walker, J. et al. Can the use of a novel bag-valve-mask design reduce operator variability in provided minute volume during manual ventilation compared to a conventional design currently used by combat medics in the United States Army when used in a controlled clinical environment? (Poster) William Beaumont Army Medical Center Research Day, Fort Bliss, TX. June 2016.
 5. Myers M, Srichandra J, Wallace C. Efficacy of a Brief Training Session for Nurses on Placement of Ultrasound-Guided Peripheral Intravenous Access. (Poster) San Antonio Military Health System and Universities Research Forum, San Antonio, TX. May 2016.
 6. Monti JD. A Novel Ultrasound Transmission Gel for Resource-constrained Environments. (Poster) World Congress of Ultrasound in Medical Education. Lubbock, TX. September 2016
 7. Fossum KL, Love SL, April MD. Topical ethyl chloride to reduce pain associated with venous catheterization: a randomized, cross-over trial. (Poster) San Antonio Military Health System and Universities Research Forum, San Antonio, TX. May 2016.
 8. Zobrist B, Casmaer M. A Comparison of Bag-Valve-Mask (BVM) Ventilation Using a Standard vs a Modified BVM in a Manikin Model for the Single Rescuer. (Platform) San Antonio Military Health System and Universities Research Forum, San Antonio, TX. May 2016
 9. Laduke MS. A Tale of Two Testicles: A Comparison of Two Cases of Undifferentiated Testicular Pain in the Acute Care Setting. (Poster) USMH-Kuwait Health Care Symposium, September 2016.
 10. Naylor J. Ultrasound vs Landmarks for Great Toe Arthrocentesis. (Poster) CRDAMC Research Day, Fort Hood, TX. May 2016.
 11. LaDuke MS, Cronin AJ, Gillum B, Monti JD. Ultrasound Detection of Soft Tissue Abscesses by Non-Physician US Army Medical Providers Naïve to Diagnostic Sonography. (Poster) World Congress on Ultrasound in Medical Education Conference, Lubbock, TX. September 2016.
 12. Driskell DL, Monti JD, Cronin AC, Gillum BG. Ultrasound Evaluation of Soft Tissue Foreign Bodies by U.S. Army Medics. (Poster) Military Health System Research Symposium, Orlando, FL. August 2016.
 13. LaDuke MS, Cronin AJ, Gillum B, Monti JD. Ultrasound Detection of Soft Tissue Abscesses by Non-Physician US Army Medical Providers Naïve to Diagnostic Sonography. (Poster) Special Operations Medical Association Scientific Assembly, Charlotte, NC. May 2016.
 14. LaDuke MS, Cronin AJ, Gillum B, Monti JD. Ultrasound Detection of Soft Tissue Abscesses by Non-Physician US Army Medical Providers Naïve to Diagnostic Sonography. (Poster) Madigan Research Day, JBLM, WA. April 2016.

15. Driskell DL, Monti JD, Cronin AC, Gillum BG. Ultrasound Evaluation of Soft Tissue Foreign Bodies by U.S. Army Medics. (Poster) Society of Emergency Medicine Physician Assistants, San Diego, CA. April 2016.

E. Grant Funding Awarded: (Total: \$2,602)

1. Gendron B, Monti JD, Brigg A, Cronin AC. A Comparison of Military Medic Performance Placing a Commercial Intraosseous Infusion Device Utilizing the Humeral Head versus the Proximal Tibial Approaches: A Prospective, Crossover Study. Arrow International Grant. \$2,602. Awarded Feb 2016.

F. Invited Lectures:

1. Cronin AJ. Research from the Primary Investigator's Perspective. Applied Research Training Course. McChord Air Force Base, WA. October 2016.
2. Monti, JD. Emergency Medicine Ultrasonography. ACEP Emergency Medicine Academy 2016. Las Vegas, NV. October 2016.
3. Monti JD. Basic and Advanced Procedural Ultrasound. WA ACEP Summit to Sound Emergency Medicine Assembly. Seattle, WA. April 2016.
4. Cronin AJ. EUS Application: Deep Venous Thrombosis. Norwest Leadership in Emergency Medicine Course. JBLM, WA. August 2016.
5. Casmaer MC. Airway Management. Critical Care Flight Paramedic Course, JBSA, TX. March 2016.
6. Morrison M, Rosser SL, Love S, Fossum K, Rabener M, Casmaer M, Bonjour T, Holland S, Kocher B. SP Corps Doctoral Basic Skills Clinical Research Course. June 2016.
7. Rosser SL. Musculoskeletal Ultrasound Shop for the Orthopaedic Physician Assistant, 17th Annual Physician Assistants in Orthopaedic Surgery Conference, Scottsdale, Arizona. August 2016.
8. Rosser SL. EKG Refresher for the Primary Care PA, 2016 European Physician Assistant Recertification Course, Garmisch, Germany. July 2016.
9. Rosser SL. Febrile Infant and Child, 2016 European Physician Assistant Recertification Course, Garmisch, Germany. July 2016.
10. Rosser SL. Point of Care Ultrasound Workshop for Primary Care, Society of Army Physician Assistants 36th Annual Refresher Course, Fayetteville, North Carolina. April 2016.
11. Rosser SL. What It Means to Be a Healthcare Professional, Vesalius Group Presentation, Schreiner University, Kerrville, Texas. April 2016.
12. Rosser SL. Overview of Study Design, Pre-Course Workshop, Mary Lipscomb Hamrick Research Course, Fort Sam Houston, Texas. April 2016.

G. Academic or Research Awards:

1. Wilken ZL, Thompson SM. New Horizon Best Poster Award. Video Discharge Instructions: Helping Patients Leave Informed. Graduate Faculty Research Symposium, Joint Base San Antonio, TX. September 2016.

2. Thompson SM. First Place Podium Presentation. Comparison of the SALT airway system and the King LT for airway management by military medics. Is the SALT airway a superior alternative? Graduate Faculty Research Symposium, Joint Base San Antonio, TX. September 2016.
3. Wilken ZL, Thompson, SM. Trainee Researcher of the Year. Video Discharge Instructions: Helping Patients Leave Informed. William Beaumont Army Medical Center Research Day, Fort Bliss, TX. June 2016.
4. Love, SL. New Horizon Award. Graduate Faculty Research Symposium, Joint Base San Antonio, TX. September 2016.
5. Driskell DL, et al. First Place Research Poster. Ultrasound Evaluation of Soft Tissue Foreign Bodies by U.S. Army Medics. Madigan Research Day, JBLM, WA. April 2016.
6. Walker, J. et al. First Place Research Poster. Can the use of a novel bag-valve-mask design reduce operator variability in provided minute volume during manual ventilation compared to a conventional design currently used by combat medics in the United States Army when used in a controlled clinical environment? William Beaumont Army Medical Center Research Day, Fort Bliss, TX. June 2016.
7. Wilken, J. et al. First Place Podium Presentation. Video Discharge Instructions: Helping Patients Leave Informed. William Beaumont Army Medical Center Research Day, Fort Bliss, TX. June 2016.

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

A. Publications:

1. Kocher BK, Chalupa RL, Lopez DM, Kirk KL. Comparative study of assisted ambulation and perceived exertion with the wheeled knee walker and axillary crutches in healthy participants. *Foot and Ankle International*. 2016 Aug; PMID 27521354.
2. Simons BS, Foltz PA, Chalupa RL, Hylden CM, Dowd TC, Johnson AE. Burnout in US Military orthopaedic residents and staff physicians. *Military Medicine*. . 2016 Aug; 181(8):835-839. PMID: 27483521.
3. Chalupa RL, Hooker RS. The education, role, distribution, and compensation of physician assistants in orthopedic surgery. *JAAPA : official journal of the American Academy of Physician Assistants*. 2016 May; 29 (5)1-7. PMID 27124223.
4. Chalupa RL, Rivera JC, Tennent DJ, Johnson AE. Correlation between femoral neck shaft and surgical management in trainees with femoral neck stress fractures. *US Army Med Dep J*. 2016 Jan-Mar, 1-5. PMID 26874089.
5. Chalupa RL, Aberle C, Johnson AE. Observed rates of lower extremity stress fractures following the implementation of the Army Physical Readiness Training (PRT) program at Fort Sam Houston. *US Army Med Dep J*. 2016 Jan-Mar, 6-9. PMID 26874090.

6. Dichiera R, Dunn J, Bader J, Bulken-Hoover J, Pallis M. Characterization of Metacarpal Fractures in a Military Population. Mil Med. 2016 Aug;181(8):931-4. PMID: 27483536.

B. Published Abstracts: None.

C. Platform Presentations: None.

D. Poster Presentations:

1. Chalupa, R. L., The education, role, distribution, and compensation of physician assistants in orthopedic surgery. American Academy of Physician Assistants Annual Conference. May 2016, San Antonio, TX.
2. Kocher, B. K., Chalupa, R. L., Lopez, D. M., & Kirk, K. L. Comparative Study of Assisted Ambulation and Perceived Exertion With the Wheeled Knee Walker and Axillary Crutches in Healthy Subjects. American Orthopaedic Foot & Ankle Society Annual Conference. July 2016, Toronto, Ontario.

E. Grant Funding Awarded: None.

F. Invited Lectures: None.

G. Academic or Research Awards: None.

XII. US Army-Baylor University Doctorate in Doctorate in Physician Assistant Studies (Surgery)

A. Publications:

1. Schroll R, Smith A, McSwain NE Jr, Myers J, Rocchi K, Inaba K, Siboni S, Vercruysse GA, Ibrahim-Zada I, Sperry JL, Martin-Gill C, Cannon JW, Holland SR, Schreiber MA, Lape D, Eastman AL, Stebbins CS, Ferrada P, Han J, Meade P, Duchesne JC. [A Multi-Institutional Analysis of Prehospital Tourniquet Use](#). J Trauma Acute Care Surg. 2015 Jul;79(1):10-4.
2. Inaba K, Aksoy H, Seamon MJ, Marks JA, Duchesne J, Schroll R, Fox CJ, Pieracci FM, Moore EE, Joseph B, Haider AA, Harvin JA, Lawless RA, Cannon J, Holland SR, Demetriades D. [Multicenter evaluation of temporary intravascular shunt use in vascular trauma.](#) J Trauma Acute Care Surg. 2016 Mar;80(3):359-64.

B. Published Abstracts: None.

C. Platform Presentations:

1. Holland SR: *Popliteal Artery Entrapment Syndrome*. Presentation at the meeting of the Air Force Physician Assistant Refresher Course. JBSA, Lackland, TX. Feb. 2016.

2. Smith, SA "Tony". *Skin Cancer Evaluation for Primary Care*. Presentation at the meeting of the Air Force Physician Assistant Refresher Course, JBSA Lackland, TX Feb 2016.
 3. Holland SR. *Lessons Learned from a Multicenter Trial*. Presentation at the meeting of the Mary Lipscomb Hamrick Research Course, JBSA Fort Sam Houston, TX, May 2016.
- D. Poster Presentations: None.
- E. Grant Funding Awarded: None.
- F. Invited Lectures: None.
- G. Academic or Research Awards: None.