



Department of Surgery

2016

Mary C. McCarthy, MD, FACS
Elizabeth Berry Gray Chair and Professor

For the period including
January 1, 2016 — December 31, 2016

Scholarly Activity

Funded grants [List PI(s), grant title, funding source, amount of award, and dates of award. Please list each grant only once. Identify student & resident authors, i.e., *=student author **=resident/fellow]

Grants

Investigators: Rosalyn Scott, MD
Title: Advancing Excellence in Palliative Care
Funding Source: VA Office of Rural Health Projects for 2016
Amount: \$250,000.00

Investigators: John Bini, MD
Title: The Prospective Observational Vascular Injury Trial (PROOVIT)
Funding: Department of Defense
Amount: \$53,278
Date Approved: 2016-2017

Publications [List each publication only once; do not list manuscripts in press. List only publications from the year covered by this report.] (Faculty bold, students/resident italicized)

Papers in refereed journals

Riquelme M, Elizondo RA, **Aranda A**. Palpable undescended testes: 15 years of experience and outcome in laparoscopic orchiopexy. *J Endourol*. 2015 Sep;29(9):978-82. doi: 10.1089/end.2015.0118. Epub 2015 Jul 15.

DiRenzo DM, *Chaudhary MA*, Shi X, Franco SR, Zent J, Wang K, Guo LW, Kent KC. A crosstalk between TGF- β /Smad3 and Wnt/B-catenin pathways promotes vascular smooth muscle cell proliferation. *Cell Signal*. 2016 May;28(5):498-505. doi: 10.1016/j.cellsig.2016.02.011. Epub 2016 Feb 19.

Marco CA, Wahl RP, Counselman FL, Heller BN, Kowalenko T, Harvey AL, Joldersma KB, Reisdorff EJ. Physician preparation for the American Board of Emergency Medicine ConCert examination. *Acad Emerg Med*. 2016 Feb;23(2): 191-196. doi: 10.1111/acem. 12866. Epub 2016 Jan 23

Marco CA, Wahl RP, Counselman FL, Heller BN, Harvey AL, Joldersma KB, Coombs AB, Reisdorff EJ. The American Board of Emergency Medicine ConCert examination: Emergency physicians' perception of learning and career benefits. *Acad Emerg Med*. 2016 Sep;23(9):1082-5. doi: 10.1111/acem.12971. Epub 2016 Sep 6.

Marco CA, Fagan C, Eggers C, Trautman W, Mann D, Olson JE. Self-assessment of hunger among ED patients with abdominal pain: Lack of association with disease severity. *Am J Emerg Med*. 2016 Jan;34(1): 104-106. doi: 10.1016/j.ajem.2015.10.023. Epub 2015 Oct 23

Cheslik TG, Bukkapatnam C, **Markert RJ**, *Dabbs CH*, **Ekeh AP**, **McCarthy MC**. Initial impact of the affordable care act on an Ohio level 1 trauma center. *J Trauma Acute Care Surgery*. 2016 Jun;80(6):1010-4. doi: 10.1097/TA.0000000000001052.

Craig P, **Parikh PP**, **Markert RJ**, Saxe J. Prevalence and predictors of hernia infection: Does gender matter? *Am Surg*. 2016 Apr;82(4):E93-95. PMID: 27097616

Chaudhary MA, Guo LW, Shi X, Chen G, Gong S, Liu B, Kent KC. Periadventitial drug delivery for the prevention of intimal hyperplasia following open surgery. *J Control Release*. 2016 Jul 10;233:174-80. doi: 10.1016/j.jconrel.2016.05.002. Epub 2016 May 12.

Streib E, Blake D, Christmas AB, Clancy K, Cocanour C, Cooper C, Driscoll RP, Eastman AL, **Ekeh AP**, Gonzalez R, Hinsdale JG, Joseph K, Kuhls DA, Thomas SG, Cooper Z. AAST Prevention Committee. AAST statement on firearm injuries. *J Trauma Acute Care Surg*. 2016 Jun;80(6):849. doi: 10.1097/TA.0000000000001090.

Baker EF, Moskop JC, Geiderman JM, Iserson KV, **Marco CA**, Derse AR: ACEP Ethics Committee. Law Enforcement and Emergency Medicine: An Ethical Analysis. *Ann Emerg Med*. 2016 Nov;68(5):599-607. doi: 10.1016/j.annemergmed.2016.02.013. Epub 2016 May 4.

Marco CA, Baren JM, Beeson MS, Carius ML, Counselman FL, Gausche-Hill M, Goyal DG, Kowalenko T, Muelleman RL, Wahl RP, Joldersma KB: Research Committee, American Board of Emergency Medicine. American Board of Emergency Medicine Report on residency training information (2015-2016). *Ann Emerg Med*. 2016 May;67(5):654-66. doi: 10.1016/j.annemergmed.2016.03.031.

Marco CA: How to Handle a Medical Mistake. *ACEP Now*. 2016 Apr 23. Accessed from: <https://www.acep.org/Pain-Mgmt-Section.../ACEP-Now-April-2016-Edition>.

Marco CA, Jesus JE, Geiderman JM, Baker EF. Naloxone distribution to patients in Emergency Department raises controversy. *ACEP Now*. 2016 Jun 15; 35(6): 2.

Sieffert M, **Ouellette J**, **Johnson M**, Hicks T, **Hellan M**: Novel technique of robotic extralevator abdominoperineal resection with gracilis flap closure. *Int J Med Robot*. 2016 Jul 20. doi: 10.1002/ircs.1764. [Epub ahead of print]

Marco AP. Learning via mental imagery; *Anesth Analg*. 2016 Aug;123(2):519. doi: 10.1213/ANE.0000000000001438.

Inge TH, Courcoulas AP, Jenkins TM, Michalsky MP, Helmraath MA, Brandt ML, Harmon CM, Zeller MH, Chen MK, Xanthakos SA, Horlick M, Buncher CR; Teen-LABS Consortium [**Barnett SJ**]. Weight loss and health status 3 years after bariatric surgery in adolescents. *N Engl J Med*. 2016 Jan 14;374(2):113-23. doi: 10.1056/NEJMoa1506699. Epub 2015 Nov 6.

Glaser R, York A, Dimitrakakis C. Effect of testosterone therapy on the female voice. *Climacteric*. 2016 Apr;19(2):198-203. doi: 10.3109/13697137.2015.1136925. Epub 2016 Feb 9.

Oddo R, Ruedrich E, Zust C, Marugg L, Vanderwal E, VanderWal H, Sartori R, **Markert RJ**, **McCarthy MC**. Prevalence of preoperative penile abnormalities among voluntary male medical circumcision patients in Swaziland. *J Pediatr Surg*. 2017 Jan 3. pii: S0022-3468(16)30701-1. doi: 10.1016/j.jpedsurg.2016.12.027. [Epub ahead of print]

Jazayeri-moghaddas OP, *Tse W*, **Herzing KA**, **Markert RJ**, **Gans AJ**, **McCarthy MC**. Is nasotracheal intubation safe in facial trauma patients? *Am J Surg*. 2016 Nov 8. pii: S0002-9610(16)30815-7. doi: 10.1016/j.amjsurg.2016.11.003. [Epub ahead of print]

Marco CA, Cook A, Whitis J, Xiadas J, Marmora B, Mann D, Olson JE. Variable self-reports of pain from blood pressure measurement among ED patients. *Am J Emerg Med*. 2016 Oct 21. pii: S0735-6757(16)30746-X. doi: 10.1016/j.ajem.2016.10.050. [Epub ahead of print].

Hawk A, **Marco CA**, Huang M, Chow B. Helicopter scene response for stroke patients: A 5-year Experience. *Air Med J*. 2016 Nov - Dec;35(6):352-354. doi: 10.1016/j.amj.2016.05.007. Epub 2016 Jul 1.

Counselman FL, Beeson MS, **Marco CA**, Adsit SK, Harvey AL, Keehbauch JN, 2016 EM Model Review Task Force. Evolution of the model of the clinical practice of Emergency Medicine; 1979 to present. *Acad Emerg Med*. 2016 Nov 17. doi: 10.1111/acem.13137. [Epub ahead of print].

Marco CA, Cook A, Whitis J, Xidas J, Mamora B, Mann D, Olson JE. Pain scores for venipuncture among ED patients. *Am J Emerg Med*. 2017 Jan;35(1):183-184. doi: 10.1016/j.ajem.2016.10.021. Epub 2016 Oct 11.

Counselman FL, Kowalenko T, **Marco CA**, Joldersma KB, Korte RC, Reisdorff EJ. The relationship between ACGME duty hour requirements and performance on the American Board of Emergency Medicine qualifying examination. *J Grad Med Educ*. 2016 Oct;8(4):558-562.

Marco CA, Venkat A, Baker EF, Jesus JE, Geiderman JM, ACEP Ethics Committee. Prescription drug monitoring programs: Ethical issues in the Emergency Department. *Ann Emerg Med*. 2016 Nov;68(5):589-598. doi: 10.1016/j.annemergmed.2016.04.018. Epub 2016 May 13.

Baker EF, Moskop JC, Geiderman JM, Iserson KV, **Marco CA**, Derse AR, ACEP Ethics Committee. Law enforcement and emergency medicine: An ethical analysis. *Ann Emerg Med*. 2016 Nov;68(5):599-607. doi: 10.1016/j.annemergmed.2016.02.013. Epub 2016 May 4.

Koroscil MA, **Marco CA**. Utility of thyroid testing in the ED. *Am J Emerg Med*. 2016 Oct;34(10):2029-2030. doi: 10.1016/j.ajem.2016.07.006. Epub 2016 Jul 6.

Marco CA, Broderick K, Smith-Coggins R, Goyal DG, Joldersma KB, Coombs AB. Health and wellness among emergency physicians: results of the 2014 ABEM longitudinal study. *Am J Emerg Med*. 2016 Aug;34(8):1715-6. doi: 10.1016/j.ajem.2016.06.019. Epub 2016 Jun 6.

Kraus CK, **Marco CA**. Shared decision making in the ED: Ethical considerations. *Am J Emerg Med*. 2016 Aug;34(8):1668-72. doi: 10.1016/j.ajem.2016.05.058. Epub 2016 May 24.

Section on Surgery; Committee on Bioethics; American Pediatric Surgical Association in New Technology Committee [**Barnett SJ**]. Responsible innovation in children's surgical care. *Pediatrics*. 2017 Jan;139(1): pii: e20163437. doi: 10.1542/peds.2016-3437.

Dorozhkin D, Olasky J, Jones DB, Schwaitzberg SD, Jones SB, **Cao CG**, Molina M, Henriques S, Wang J, Flinn J, De S. SAGES FUSE Committee. OR Fire virtual training simulator: Design and face validity. *Surg Endosc*. 2016 Dec 30. doi: 10.1007/s00464-016-5379-7. [Epub ahead of print]

Dorozhkin D, Nemani A, Roberts K, Ahn W, Halic T, Dargar S, Wang J, **Cao CG**, Sankaranarayanan G, De S. Face and content validation of a virtual transluminal endoscopic surgery trainer (VTEST™). *Surg Endosc*. 2016 Dec;30(12):5529-5536. Epub 2016 Apr 29.

Demirel D, Yu A, Halic T, Sankaranarayanan G, Ryason A, Spindler D, Butler KL, **Cao CG**, Petrusa E, Molina M, Jones D, De S, Demoya M, Jones S. Virtual airway skills trainer (VAST) simulator. *Stud Health Technol Inform*. 2016;220:91-7.

Hoskins R, Wang J, **Cao CG**. Use of stochastic resonance methods for improving laparoscopic surgery performance. *Surg Endosc*. 2016 Oct;30(10):4214-9. doi: 10.1007/s00464-015-4730-8. Epub 2015 Dec 31.

Wang J, Chellali A, **Cao GC**. Haptic communication in collaborative virtual environments. *Hum Factors*. 2016 May;58(3):496-508. doi: 10.1177/0018720815618808. Epub 2015 Dec 29.

Flinn JT, Miller A, Pyatka N, Brewer J, Schneider T, **Cao CG**. The effect of stress on learning in surgical skills acquisition. *Med Teach*. 2016 Sep;38(9):897-903. doi: 10.3109/0142159X.2015.1114597. Epub 2015 Dec 8.

Demirel D, Butler KL, Halic T, Sankaranarayanan G, Spindler D, **Cao CG**, Petrusa E, Molina M, Jones DB, De S, DeMoya MA. A hierarchical task analysis of cricothyroidectomy procedure for virtual airway skills trainer simulator. *Am J Surg*. 2016 Sep;212(3):475-84. doi: 10.1016/j.amjsurg.2015.08.029. Epub 2015 Oct 19.

Awtrey C, Chellali A, Schwaitzberg S, De S, Jones D, **Cao CG**. Validation of the VBLaST: A virtual peg transfer task in gynecologic surgeons. *J Minim Invasive Gynecol* 2015 Nov-Dec;22(7):1271-7. doi: 10.1016/j.jmig.2015.07.015. Epub 2015 Jul 26.

Mentis HM, Chellali A, Manser K, **Cao CG**, Schwaitzberg S. A systemic review of the effect of distraction on surgeon performance: directions for operating room policy and surgical training. *Surg Endosc*. 2016 May;30(5):1713-24. doi: 10.1007/s00464-015-4443-z. Epub 2015 Jul 21.

Sankaranarayanan G, Li B, Manser K, Jones SB, Jones DB, Schwaitzberg S, **Cao CG**, De S. Face and construct validation of a next generation virtual reality (Gen2-VR) surgical simulator. *Surg Endosc*. 2016 Mar;30(3):979-85. doi: 10.1007/s00464-015-4278-7. Epub 2015 Jun 20.

Ben-David K, **Tuttle R**, Kukar M, Rossidis G, Hochwald SN. Minimally invasive esophagectomy utilizing a stapled side-to-side anastomosis is safe in the western patient population. *Ann Surg Oncol*. 2016 Sep;23(9):3056-62. doi: 10.1245/s10434-016-5232-1. Epub 2016 Apr 25.

Papers in non-refereed journals

Barney LM, Savarise MT. 2016 CPT coding changes and their effects. *American College of Surgeons Bulletin*. 2016 Jan 101(1):18-24.

Case Reports

Marco CA, Edgell A, Eggers C, Fagan C, Olson JE. Geriatric trauma patients and altered mental status. *Emergency Medicine*. 2016 January;48(1):8-15.

Klein J, Baxstrom K, Donnelly S, Feasel P, **Koles P**. A fatal twist: Volvulus of the small intestine in a 46-year-old woman. *Case Rep Med*. 2015;2015:391093. doi: 10.1155/2015/391093. Epub 2015 Nov 3.

Giltner JW, Thomas ER, Rundell WK. Amaurosis fugax associated with congenital vascular defect. *Int Med Case Rep J*. 2016 Jul 4;9:169-72. doi: 10.2147/IMCRJ.S106627. eCollection 2016.

Books, chapters, reviews

Ekeh AP, Stuever M (2016) Diverticular disease of the colon. *Acute Care Surgery and Trauma: Evidence-Based Practice* (pp. 519-527). Boca Raton, FL. Taylor & Francis Group, LLC.

Bini JK (2016) Chest wall trauma. *Acute Care Surgery and Trauma: Evidence-Based Practice* (pp. 167-175). Boca Raton, FL. Taylor & Francis Group, LLC.

Semon G, McCarthy MC, reviewers. Selected Readings in General Surgery. 2016;42(4):e1. http://web2.facs.org/SRGS_Connect/wysk/wysk0716.cfm. Accessed July 6, 2016. Review of: Pieracci FM, Lin Y, Rodil M, et al. A prospective, controlled clinical evaluation of surgical stabilization of severe rib fractures.

Hellan M. Invited Review: Preclinical study of transcervical upper mediastinal dissection for esophageal malignancy by robotic-assisted surgery. *International Journal of Medical Robotics and Computer Assisted Surgery*. RCS-16-0003.

Hellan M. Invited Re-review: Preclinical study of transcervical upper mediastinal dissection for esophageal malignancy by robotic-assisted surgery. *International Journal of Medical Robotics and Computer Assisted Surgery*. RCS-16-003.R1.

Hellan M. Invited Review: Intra-operative localization of rectal tumor using liposomal indocyanine green. *Surgical Endoscopy*, SEND-D-16-00852.

Hellan M. Invited Review: Robotic proctectomy for rectal cancer: analysis of 71 patients from a single institution, *International Journal of Medical Robotics and Computer Assisted Surgery*. RCS-16-0154.

Hellan M. Invited review: Endoluminal surgical triangulation 2.0: a new flexible surgical robot. Preliminary pre-clinical results with colonic submucosal dissection. *International Journal of Medical Robotics and Computer Assisted Surgery*. RCS-16-0150.R1.

Significant presentations [e.g., to academic societies, medical schools and national professional societies.]

Oral

Marco CA. Pitfalls in the discharge of the elderly. Invited speaker at: American Academy of Emergency Medicine Scientific Assembly; 2016 Feb 17-21; Las Vegas, NV.

Marco CA. How can I make my emergency department safe for the elderly patient? Invited speaker at: American Academy of Emergency Medicine Scientific Assembly; 2016 Feb 17-21; Las Vegas, NV.

Parikh PP, White M, **Tchorz KM**, Buckingham L. Long-term evaluation of palliative care training for medical students and retention of skills. Oral presentation at: 11th Annual Academic Surgical Congress; 2016 Feb 2; Jacksonville, FL.

Babbitt K, Gunasekera CS, **Parikh PP**, **Markert RJ**, **Roelle M**, **McCarthy MC**. Incidence of central venous port complications and associated factors. Oral presentation at: 11th Annual Academic Surgical Congress; 2016 Feb 2; Jacksonville, FL.

Parikh PP, Zoll B, **Parikh PJ**, Hendershot KM, **Whitmill ML**, Erskine T, Schuyler Schmidt R, **Woods R**, Saxe J. Factors affecting on-field triage decisions and resource utilization. Oral presentation at: 11th Annual Academic Surgical Congress; 2016 Feb 2; Jacksonville, FL.

Patterson BC, *Palmer AH*, **Ekeh AP**. Features of trauma diaphragmatic injuries at a level 1 trauma center: Has anything changed? Oral presentation at: 11th Annual Academic Surgical Congress; 2016 Feb 4; Jacksonville, FL.

Wall EJ, Reynolds JE, Jain VV, Bylski-Austrow DI, Thompson GH, Samuels PJ, **Barnett SJ**, Crawford AH. Spine growth modulation by titanium clip-screw device: Two-year results. Oral presentation at: Orthopaedic Research Society; 2015 Mar; Orlando, FL.

Aranda A, **Meagher D**, **Pence JC**, Riquelme M, *Pringle J*. Laparoscopy in uncommon pediatric duodenal pathology. Video presentation at: Pacific Association of Pediatric Surgeons; 2016 Apr 28; Koloa, HI.

Riquelme M, Elizondo R, **Aranda A**. PAPS Latino: breaking worldwide frontiers in education for the hispanic/latino pediatric surgeon. Video presentation at: Pacific Association of Pediatric Surgeons; 2016 Apr 28; Koloa, HI.

Riquelme M, Elizondo R, Martinez A, **Aranda A**. Breaking the mold: Instant messaging and social media for continuing medical education. Video presentation at: Pacific Association of Pediatric Surgeons; 2016 Apr 28; Koloa, HI.

Schneider A. Esophageal perforations: The experience of a level 1 trauma center. Oral presentation at: Ohio Chapter ACS Annual Meeting; 2016 May 5; Columbus, OH.

Stuever M, Hendershot KM, **Parikh PP**, **McCarthy MC**, **Ekeh AP**. The geriatric trauma team. A novel approach to caring for elderly trauma patients. Oral presentation at: Daniel Elliott Resident Research Symposium; 2016 May 11; Dayton, OH.

Micallef C, *Droz N*, **Parikh PP**, **Anstadt M**, Conley D, **Herzing K**, **Falls G**. Surveillance and follow up for blunt aortic injury patients undergoing TEVAR. Oral presentation at: Daniel Elliott Resident Research Symposium; 2016 May 11; Dayton, OH.

Pinette A, **Matsuura JH**. Occupational exposure to surgeon and residents during endovascular procedures using real-time dose monitoring. Oral presentation at: Daniel Elliott Resident Research Symposium; 2016 May 11; Dayton, OH.

Dossa A, Ford H, Gayer C, Frey M, Grishin A, Roberts A, Golden J, Escobar O, Bowling J. The role of bile acids in intestinal cell proliferation. Oral presentation at: Daniel Elliott Resident Research Symposium; 2016 May 11; Dayton, OH.

Ilyas S. Harnessing of immunogenic landscape of cancer-germline antigens for potential treatment of metastatic solid tumors. Oral presentation at: Daniel Elliott Resident Research Symposium; 2016 May 11; Dayton, OH.

Schneider AJ, **Bini JK**. Esophageal perforations. The experience of a level 1 trauma center. Oral presentation at: Daniel Elliott Resident Research Symposium; 2016 May 11; Dayton, OH.

Sommerville, M, **Ekeh AP**, **Parikh PP**, **Bini JK**. A retrospective review of penetrating aortic trauma. Oral presentation at: Daniel Elliott Resident Research Symposium; 2016 May 11; Dayton, OH.

Kranker L, **Hellan M**. Robotic sigmoid resection with fluorescence-guided ureter identification. Video presentation at: Daniel Elliott Resident Research Symposium; 2016 May 11; Dayton, OH.

Myers R, **McCarthy MC**, **Whitlatch A**, **Parikh PJ**. A patient-centered framework for understanding interruptions. Oral presentation at: ISERC 2016 Conference; 2016 May 22; Anaheim, CA.

Scott R, Davidson M, Graham C, King K, Benjamin T. Use of multimodality simulations to improve self-reported competence in palliative care skills among Veterans Administration Healthcare System of Ohio (VISN 10) primary care providers and nurses. Panel presentation at: MedBiquitous Annual Conference; 2016 May 17; Baltimore, MD.

Scott R, Dominguez M, Burgess D, Oroszi T, **Gallimore J**. Implementing provider, patient:provider and patient facing interventions in a virtual environment. Panel presentation at: MedBiquitous Annual Conference; 2016 May 16; Baltimore, MD.

Barnett SJ, Katz Z. Innovative therapy: Definition and an ethical framework for providing innovative surgical therapy to children. Oral presentation at: American Pediatric Surgical Association; 2016 May 15; San Diego, CA.

Kranker L, **Hellan M**. Robotic sigmoid resection with fluorescence-guided ureter identification. Video presentation at: Daniel Elliott resident research symposium; 2016 May 11; Dayton OH.

Schmitt BA, Zhou Y, Kerns SA, Prochaska LJ, Reynolds DB, **Anstadt MP**. Beta blockade induced heart failure provides a model for assessing cardiac support. Oral presentation at: ASAIO 62nd Annual Conference; 2016 Jun 18; San Francisco, CA.

Wright NV, Zhou Y, Reynolds DB, **Anstadt MP**. Vascular pulsatility during mechanical actuation of the fibrillating heart is equivalent to the native beating heart. Oral presentation at: American Association (AHA) Scientific Sessions; 2016 Nov 12-16; New Orleans, LA.

Poster

Craker N, Myers RA, Eid J, **Parikh PP**, **McCarthy MC**, Zinc K, **Parikh PJ**. The anatomy of nursing interruptions: who-what-when-where. Poster presentation at: Eastern Association for the Surgery of Trauma (EAST) 29th Annual Scientific Assembly; 2016 Jan 14; San Antonio, TX.

Droz N, **Whitmill ML**, **Parikh PP**, Hendershot KM. current and desired practice patterns of trauma and acute care surgeons (T/ACS). Poster presentation at: Eastern Association for the Surgery of Trauma (EAST) 29th Annual Scientific Assembly; 2016 Jan 14; San Antonio, TX.

Russo R, *Ferencz SA*, Davidson A, Galante J, Sampson J, Dubose J, Grayson JK, Neff L, Williams T. Beyond Reboa: An experimental model of endovascular variable aortic control (EVAC). Poster presentation at: SAGES 2016 Annual Meeting; 2016 Mar 16-18; Boston, MA.

Ferencz SA, Russo R, Davidson A, Neff L, Grayson JK, Shatz D, Galante J. Pigtail catheters are not inferior to chest tubes for the drainage of ongoing hemothorax. Poster presentation at: SAGES 2016 Annual Meeting; 2016 Mar 16-18; Boston, MA.

Dorozhikin D, Jones DB, Schwaitzberg SD, Jones SB, **Cao CG**, Olasky J, Molina M, Henriques S, Wang J, Flinn J, De S. OR Fire virtual training simulator: Design and face validity. Poster presented at: SAGES 2016 Annual Meeting; 2016 Mar 16-18; Boston, MA.

Linsk AM, Diller EE, Monden KR, Sankaranarayanan G, Ahn W, Awtry CS, De S, Jones DB, Schwaitzberg SD, Epstein SK, Rideout JM, **Cao CG**. Comparison of learning curves on the FLS and the virtual basic laparoscopic skill trainer (VBLAST): Pattern cutting and ligating loop tasks. Poster presentation at: SAGES 2016 Annual Meeting; 2016 Mar 16-18; Boston, MA.

Wang J, Ahn W, Dorozhkin D, Jones DB, De S, **Cao CG**. Virtual transluminal endoscopic surgical trainer (VTESTM): An evaluation study. Poster presentation at: SAGES 2016 Annual Meeting; 2016 Mar 16-18; Boston, MA.

Wang J, Lin KS, Watson KA, Galloway ML, **Hellan M**, **Cao CG**. Need help with port-placement in robot-assisted surgery: A survey study. Poster presentation at: SAGES 2016 Annual Meeting; 2016 Mar 16-18; Boston, MA.

Myers RA, **Parikh PJ**, **McCarthy MC**. Differentiating between detrimental and beneficial interruptions: A mixed methods study. Poster presentation at: 2016 SOCHE Graduate STEM Research Fair; 2016 Mar 18; Dayton, OH.

Dennis DJ, *Bales AM*, *Siska RC*, VanderWal E, VanderWal H, **Markert RJ**, **McCarthy MC**. Application of medical student research objectives in an International Medical Elective: Voluntary medical male circumcision in Swaziland. Poster presentation at: 7th Annual CUGH Conference - Bridging to a Sustainable Future in Global Health; 2016 April 9-11; San Francisco, CA.

Oddo A, Ruedrich E, Zust C, Marugg L, VanderWal E, VanderWal H, Sartori R, **McCarthy MC**. Preoperative incidence of penile abnormalities found during voluntary male medical circumcision in Swaziland. Poster

presentation at: 7th Annual CUGH Conference - Bridging to a Sustainable Future in Global Health; 2016 April 9-11; San Francisco, CA.

Kerrigan K, Speranza F, Herzing K. Inaccuracies of administrative databases in trauma surgical research: A literature review. Poster presentation at: Wright State University Boonshoft School of Medicine 8th Annual Medical Student Research Symposium; 2016 Apr 13; Dayton, OH.

Dennis DJ, Bales AM, Siska RC, VanderWal E, VanderWal H, Markert RJ, McCarthy MC. Application of medical student research objectives in an International Medical Elective: Voluntary medical male circumcision in Swaziland. Poster presentation at: Wright State University Boonshoft School of Medicine 8th Annual Medical Student Research Symposium; 2016 Apr 13; Dayton, OH.

Purcell K, Bales AM, Ferraiuola J, Prayson MJ, Kimpel DM, Markert RJ, Semon G, Ekeh AP, McCarthy MC. Should extraperitoneal bladder injuries be repaired at the time of pelvic examination? Poster presentation at: Wright State University Boonshoft School of Medicine 8th Annual Medical Student Research Symposium; 2016 Apr 13; Dayton, OH.

Walk C, Sharma M, Pence JC. Use of obstetric vacuum extractor in removal of rectal foreign body in a pediatric patient. Poster presentation at: Wright State University Boonshoft School of Medicine 8th Annual Medical Student Research Symposium; 2016 Apr 13; Dayton, OH.

Sharma M, Dawson KA, Richardson MD, Walk CT, Aranda A, Pence JC, Meagher D. Right sided diaphragmatic injury in children: A case study and literature review. Poster presentation at: Wright State University Boonshoft School of Medicine 8th Annual Medical Student Research Symposium; 2016 Apr 13; Dayton, OH.

Osterhage M, Walk CT, Sharma M, Ahmadian RR, Aranda A, Pence JC, Meagher D. Pheochromocytoma and paraganglioma: A literature review and case study. Poster presentation at: Wright State University Boonshoft School of Medicine 8th Annual Medical Student Research Symposium; 2016 Apr 13; Dayton, OH.

Jazayeri-moghaddas O, Tse W, Gans AJ, Herzing KA, Markert RJ, McCarthy MC. Is nasotracheal intubation safe in facial trauma patients? Poster presentation at: Wright State University Boonshoft School of Medicine 8th Annual Medical Student Research Symposium; 2016 Apr 13; Dayton, OH.

Patterson B, Palmer AH, Ekeh AP. Fractures of trauma - Diaphragmatic injuries at a level 1 trauma center. Poster presentation at: Wright State University Boonshoft School of Medicine 8th Annual Medical Student Research Symposium; 2016 Apr 13; Dayton, OH.

Coleman DM, Markert RJ, Walusimbi MS. Assessing the reliability of computerized tomography in diagnosing incarcerated hernia. Poster presentation at: Wright State University Boonshoft School of Medicine 8th Annual Medical Student Research Symposium; 2016 Apr 13; Dayton, OH.

Bales A, Purcell KF, Ferraiuola J, Prayson MJ, Kimpel DM, Markert RJ, Semon GR, Ekeh AP, McCarthy MC. Should extraperitoneal bladder injuries be repaired at the time of pelvic fixation? Poster presentation at: The Seventh Annual University of Dayton and Miami Valley Hospital Healthcare Symposium; 2016 Apr 23; Dayton, OH.

Jazayeri-moghaddas O, Tse W, Herzing K, Markert RJ, McCarthy MC. Comparison between nasotracheal intubation and orotracheal intubation in patients with facial trauma. Poster presentation at: The Seventh Annual University of Dayton and Miami Valley Hospital Healthcare Symposium; 2016 Apr 23; Dayton, OH.

Osterhage M, Walk CT, Sharma M, Pence J. Use of obstetric vacuum extractor in removal of rectal foreign body in a pediatric patient. Poster presentation at: The Seventh Annual University of Dayton and Miami Valley Hospital Healthcare Symposium; 2016 Apr 23; Dayton, OH.

Sharma M, Walk CT, Osterhage M, Ahmadian RR, Pringle J, Aranda A, Pence J, Meagher D. Pheochromocytoma and paraganglioma: a literature review and case study. Poster presentation at: The Seventh Annual University of Dayton and Miami Valley Hospital Healthcare Symposium; 2016 Apr 23; Dayton, OH.

Walk CT, Dawson KA, Richardson MD, Sharma M, Aranda A, Pence JC, Meagher D. Right sided diaphragmatic injury in children: a case study and literature review. Poster presentation at: The Seventh Annual University of Dayton and Miami Valley Hospital Healthcare Symposium; 2016 Apr 23; Dayton, OH.

Lynde J, Dossa A, Dabbs C, Rizwan K. New standard of care? Endoscopic closure of a gastrocutaneous fistula. Poster presentation at: 17th Annual Virginia C. Wood Resident Research Forum; 2016 Apr 28; Dayton, OH.

Droz N, Miner J, Dhingra F, Pecchioni L. The pulsating seatbelt: an 18 cm un-ruptured abdominal aortic aneurysm. Poster presentation at: 17th Annual Virginia C. Wood Resident Research Forum; 2016 Apr 28; Dayton, OH.

Dabbs CH, Woods RJ, Parikh PP. Perioperative feedback: Differences in perception of attending surgeons and trainees. Digital poster presentation at: Association of Program Directors in Surgery; 2016 Apr 12-14; Boston, MA.

Stacey Ackerman, Shoshana Daniel, Rebecca Baik, Ali Andreasen, Emelline Liu, Scott Tackett, **Minia Hellan.** Comparison of conversion rates between robotic-assisted and laparoscopic anterior resection for rectal cancer: which patients and providers could benefit most from robotic-assisted surgery? Poster presentation at: Academy Health Annual Meeting; 2016 Jun 26-28; Boston, MA.

Bales AM, Purcell KF, Ferraiola, J, Prayson MJ, Kimpel, DM, Markert RJ, Semon G, Ekeh AP, McCarthy MC. Should extraperitoneal bladder injuries be repaired at the time of pelvic fixation?. University of Dayton & Miami Valley Hospital's Seventh Annual Healthcare Symposium Poster Session Abstracts, CLM-1, 4.

Tse W, Jazayeri-Moghaddas OP, Gans AJ, Herzing KA, Markert RJ, McCarthy MC. Is nasotracheal intubation safe in facial trauma patients: Poster presentation at Midwest Surgical Association Annual meeting; 2016 Aug 7-10; Mackinac Island, MI.

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