



Department of/Office of Surgery

Annual Report:

July 1, 2021 – June 30, 2022

Randy J. Woods, MD, FACS
Associate Professor
Elizabeth Gray Chair of Surgery

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Statement from the Chair

Welcome to this year's Annual Report for the Department of Surgery. As we move into the next academic year, it is vital that we recognize the past few years have impacted the Department, the faculty, and staff in various ways. The common denominator is that the past 12 months have been busy for everyone. I am grateful and proud to work alongside the members of our department, we have achieved much, and I look forward to a very successful year ahead.

For more than 5 years, the department has comprised of two divisions, the General Surgery Division, and the Acute Care Surgery Division. The providers making up the General Surgery Division focus much of their time in two subsets of care, one focusing on Women's Health-Breast Diseases and the other group on broad-based general surgery. The Acute Care Surgery Division partners with Miami Valley Hospital, Miami Valley Hospital South and Premier Health, to manage and run the trauma programs as well as care for the Emergency General Surgery patients at the regions Level I trauma center as well as PH's local Level III center at MVH-South. Recognizing the unique stressors and opportunities ahead for the department, the plan is to evolve the academic/clinical care into three divisions within the Department. Going forward there will be the Division of Breast Oncology, Division of General Surgery and Division of Acute Care Surgery. This change will allow us to recognize the various strengths of each group and work to optimize the clinical efficiencies, as well as increased marketing and strategic planning.

The mission of the Department is to provide optimal care to the patients of our region, provide an exceptional educational environment for our learners, both undergraduate and postgraduate, as well as promote scholarly activity that will advance the health of the region and provide a platform to educate our learners. The Department of Surgery (DOS) at the Wright State University (WSU) is committed to research and excellence. The research activity is consistently evolving in the DOS. Our primary focus is to perform research scholarship in the areas of (i) Educational Research, (ii) Clinical Outcomes, and (iii) Quality/Process Improvement. We also participate in number of clinical trials to help improve patient care. The Scholarly Activity section provides all the details on publications.

The general surgery residency program continues the long-standing and exceptional partnership with the US Air Force, not only in the training of the surgical residents but partnering with our local active-duty surgeons to provide an operative experience outside of the local military treatment facility. An area of great pride is our eight graduating chief surgery residents who spread out across the country, six entering general surgery practice (75% entering surgical practice is atypically high for a surgery training program) and two who entered fellowships in surgical critical care/trauma. There is a significant need in this country for well-trained general surgeons, WSU BSOM DOS is working to be a significant force addressing this need. The program continues to train a total of 42 general surgery residents. Our fellowships in Acute Care Surgery and Surgical Critical Care will be training three fellows in the 2022/2023 year.

A strategic initiative this upcoming year is to improve communication within the local community of surgical faculty as well as engage our alumni. Look forward to an increased presence in social media covering the successes and innovation occurring in the department. Engaging alumni will benefit the program by providing mentoring opportunities for our medical students entering surgery as well as our resident trainees entering various fields of surgery. Please take some time to reacquaint with the Department of Surgery at WSU BSOM.

2 Programs/Divisions

Name of Division or Program	Members	Dates
Acute Care Surgery	John Bruun, MD	2019-present
	A Peter Ekeh, MD (Dir)	2005-present
	Alyssa Gans, MD	2020-present
	Cathline Layba, MD	2020-present
	Mary C. McCarthy, MD	1994-2021
	Jason Miner, MD	2018-present
	Gregory Semon, DO	2015-present
	Mbaga Walusimbi, MD	2005-present
	Yee Wong, MD	2019-present
	Randy Woods, MD	2002-present
Cardiothoracic Surgery	Mark Anstadt, MD	2004-present
General Surgery	Linda Barney, MD (Dir)	2003-present
	Margaret Dunn, MD	1978-present
	Phil Heyse, MD	2008-present
	Melissa Roelle, MD	2010-present
	Chris Schneider, MD	2020-present
Otolaryngology	Ravindhra Elluru, MD	2015-present
	Robert Goldenberg, MD	1987-2017
	Sameep Kadakia, MD	2018-present
Pediatric Surgery	Arturo Aranda, MD	2014-present
	Jeff Christian, MD	1993-2022
	Jeffrey Pence, MD	2008-present
	Oliver Soldes, MD	2015-present
Research and Education	Priti Parikh, PhD (Dir)	2012-present
	Sammy Shugar, MS	2022-present
	Trista Smith, MS	2017-present
Veterans Affairs Medical Center	Dana Frazer, MD (Dir)	2008-present
	Paula Galloway, MD	2017-present
	Louisa Pecchioni, MD	2009-present
	Bhoompally Reddy, MD	2015-present
	Kathryn Tchorz, MD	2006-present
Wright Patterson Air Force Base	Andrew Galusha, MD (Dir)	2014-present
	Brian Bentley, DO	2021-present
	Eric Melchior, MD	2021-present
	Bobby Robinson, MD	2021-present

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Fully Affiliated Faculty (may be the same as #2 above for some depts)

Name and Academic Position	Clinical Interests	Research Interests
Mark Anstadt, MD, FACS Professor Adjunct Professor Pharmacology & Toxicology Affiliate Department of Biomedical, Industrial and Human Factoring Engineering	Cardiothoracic Surgery	Artificial Heart
Arturo Aranda, MD, FACS Associate Professor Site Director Dayton Children's Hospital Director, Division of Research Dayton Children's Hospital	Pediatric Surgery	Minimally Invasive Surgery Clinical Outcomes Neonatal Minimally Invasive Surgery Surgical Instruments Improvement and Development Laparoscopic Extravesical Ureteral Re-implantation Laparoscopic Orchidopexy and Inguinal Hernia Repair
Linda Barney, MD, FACS Associate Professor Chief, Division of General Surgery Miami Valley Hospital Surgical Clinical Director Director, Five Rivers Health Clinic	Breast Disease/ Surgical Ultrasound	Surgical Education, Physician Coding and Reimbursement
Alyssa Bonta, MD Clinical Assistant Professor Site Director Kettering Health - Main Kettering Health Medical Group	General/Vascular Surgery	
Timothy Broderick, MD Chief Scientist Professor Associate Dean for Research Affairs		
John Bruun, MD Assistant Professor Associate Trauma Program Medical Director	Trauma/Critical Care	
Margaret Dunn, MD, MBA, FACS Professor	Breast Disease	Administration/Education
A Peter Ekeh, MD, MPH, FACS Professor Chief, Division of Acute Care Surgery Trauma Program Medical Director - MVH	Injury Prevention	Injury Prevention Trauma

Ravindra Elluru, MD, PhD Professor of Surgery and Pediatrics Chief, Division of Otolaryngology Medical Director, Dayton Children's Hospital Advanced Practice Otolaryngology Chief, Surgical Quality Improvement Officer, Dayton Children's Hospital	Pediatric ENT Airway Reconstruction Vascular anomalies	Sleep Apnea
Dana Frazer, MD, MPH Assistant Professor Site Director, Dayton Veterans Affairs Medical Center Medical Director, Transitional Care Unit Chief Surgical Services, Dayton Veterans Affairs Medical Center	General Surgery	
Andrew Galusha, MD Assistant Professor Site Director, Wright Patterson Air Force Base	Minimally Invasive Surgery	
Alyssa Gans, MD Assistant Professor Trauma Director, Miami Valley Hospital South Medical Director, Life Connections of Ohio	Trauma/Critical Care	
Cathline Layba, MD Assistant Professor Site Director, Acute Care Surgery, Miami Valley Hospital	Trauma/Critical Care	Trauma
Mary McCarthy, MD, FACS Professor	Trauma/Critical Care	Trauma Performance Improvement
Jason Miner, MD Assistant Professor Associate Surgery Clerkship Director Active Duty, Wright-Patterson Air Force Base	Acute Care Surgery	
James Ouellette, DO Associate Professor Chief, Division of Surgical Oncology Premier Health Physician Institute Vice Chairperson Chief of Surgery, Miami Valley Hospital Miami Valley Hospital Hepatobiliary and Pancreatic Surgery Program Director	Complex Surgical Oncology	Surgical Oncology
Priti Parikh, PhD Professor Vice-Chair of Research Education and Professional Development	Research	Health Services Research, Trauma Systems and Surgical Education
Louisa Pecchioni, MD Assistant Professor	Vascular Surgery	Vascular
Jeffrey Pence, MD Associate Professor Associate Program Director Dayton Children's Hospital Trauma Director/PICU Trauma Director Dayton Children's Hospital	Pediatric Surgery Oncology	Pediatric Surgical Oncology
Bhoompally Reddy, MBBS Assistant Professor	General Surgery	
Melissa Roelle, MD, FACS Assistant Professor	General Surgery/Breast	Surgical Education Breast Disease

Gregory Semon, DO, FACS, FACOS Associate Professor Director Injury Prevention Center of Greater Dayton, Miami Valley Hospital Director, Surgical ICU	Acute Care Surgery	Trauma Surgery
Chris Schneider, MD Assistant Professor	General Surgery	
Kathryn Tchorz, MD, RDMS, FACS Associate Professor	Acute Care Surgery	Surgical Education
Rebecca Tuttle, MD Associate Professor Program Director, General Surgery Residency Kettering Health Network Cancer Liaison Physician	Surgical Oncology	Surgical Oncology
Mbaga Walusimbi, MD, MS, FACS Associate Professor Director, Acute Care Surgery/Surgical Critical Care Fellowships	Acute Care Surgery	Splenic Immune Function
Yee Wong, MD Assistant Professor Director, Medical Student Clerkship	Acute Care Surgery	
Randy Woods, MD, FACS Associate Professor Elizabeth Berry Gray Chair	Acute Care Surgery	Surgical Education

Name and Academic Position (Secondary Appointment)	Primary Department
Caroline Cao, PhD	Biomedical, Industrial and Human Factors
Jennie Gallimore, PhD	Biomedical, Industrial and Human Factors
Subhashini Ganapathy, PhD	Biomedical, Industrial and Human Factors
R. Michael Johnson, MD	Orthopaedic Surgery, Plastic Surgery
Catherine Marco, MD	Emergency Medicine
Ronald Markert, PhD	Internal Medicine
Pratik Parikh, PhD	Biomedical, Industrial and Human Factors

4 Teaching

Undergraduate medical education [medical school]

Dr. Aranda

Preceptor fourth year students

Dr. Barney

Clinical Preceptor General Surgery third year students

Clinical Preceptor MVH Surgical Clinic third year students

Clinical preceptor MVH JI General Surgery with surgical clinics fourth year

Breast TBL endocrine course third year medical students

Case conference instructor breast TBL

Dr. Bruun

ICU Rounds, Ward Rounds, Trauma Bay Teaching, Operating Room

Dr. Ekeh

Clinical preceptor WSU acute care nurse practitioner program

Clinical preceptor physician assistance program, Kettering College of Allied Health

Multidisciplinary trauma conference: Case presentations, direct discussion by faculty, residents, staff and allied health personnel

Morbidity and Mortality conference

Preceptor third and fourth year students during surgery clerkship and critical care elective

Trauma service and critical care rounds

Third year students' patient case conference

Dr. Elluru

Pediatric head and neck masses didactic lecture

Dr. Galusha

Preceptor to USHDS and HPSP medical students

Dr. Layba

Teaching during rounds, traumas, in the OR

Suture labs, TBLs (trauma, GI and fluids lectures)

Dr. Miner

BSOM MS4 Boot camp

Dr. Parikh

Fourth year elective course director (Surgery 840)
Research opportunities for medical students lecture at Surgery Club
BSOM MS4 Boot camp

Dr. Pence

Clerkship Director SUR 820, Pediatric Surgery
Clerkship Director SUR 826, Introduction to Pediatric Surgery

Dr. Roelle

Preceptor: Third and fourth year medical students

Dr. Schneider

Clinical Preceptor MVH Surgical Clinic third year students

Dr. Semon

ATLS course instructor
Boot camp
TBL: Shock and critical care
Preceptor: Third and fourth year medical students on acute care surgery and surgical ICU

Dr. Walusimbi

BSOM MS4 Boot camp
Case discussions: Esophagus
Suture lab
TEAM lectures
TEAM simulations
Ultrasound lab

Dr. Woods

Boot camp lecture: Professionalism, sign out/hand off
Boot camp skills lab facilitator
Esophagus case discussion
TBL: Perioperative considerations
Fourth year student personal statement review session
Fourth year student schedule advising sessions
Third and fourth year student surgery application preparation meetings

Graduate medical education [residents, fellows]

Dr. Aranda

Faculty mentor WSU, Grandview and 4 Michigan program residents

Dr. Barney

Resident Case Conference Quarterly 2-3 conferences/yr.

Breast Conference (weekly)

Mock Oral Boards- 4hrs -sessions/1-2 x yr.

Resident mentor/advisor- 1-2/qtr.

Dr. Bruun

ICU Rounds, Ward Rounds, Trauma Bay Teaching, Operating Room

Dr. Ekeh

ASSET course instructor

ATLS course instructor: Mediator for trauma case review

FCCS course instructor

Dr. Gans

ATLS Instructor and Director

Dr. Galusha

After hours robotic training sessions

Mock orals

Program director WPAFB

Resident advisor

Dr. Layba

ASSET Course Instructor

FCCS Instructor

ATLS Instructor and Director

PGY-4 Faculty Mentor

Mock Orals

Morbidity and Mortality Conference

Trauma Rotation Simulation Education

Dr. Miner

Morbidity and Mortality Conference

Basic Science

ATLS Instructor and Director Candidate

FCCS Instructor

ASSET Instructor

Dr. Pence

Rotation director, pediatric surgical education, Henry Ford Hospital System, Detroit, MI

Dr. Roelle

Breast conference presentations
Mock orals

Dr. Schneider

PGY-4 Faculty Mentor

Dr. Semon

Acute Care Surgery Conference presenter: CNS trauma
ATLS surgical skills lab
ASSET and FCCS course instructor
DocOlympics judge
Intern orientation, disaster response
Mock orals prep
Morbidity and Mortality Conference
Trauma procedure labs

Dr. Tuttle

Breast conference
Development and coordinator of ABSITE review
Journal club (melanoma management, aneurysmal disease, hepatocellular carcinoma, hormone replacement in menopausal women, necrotizing pancreatitis, paraesophageal hernia: mesh or no mesh?)
Mock orals
Mortality and Morbidity Conference
Oral board prep 3rd and 4th year residents
Resident mentoring
Resident application reviewer

Dr. Walusimbi

ATLS Instructor
Acute Care Surgery conference facilitator
Critical care lectures
ASSET course director
Mock orals
Morbidity and Mortality Conference
Trauma service lectures

Dr. Wong

ASSET Course Instructor
ATLS Instructor and Director
Basic Science Presentations
FCCS Instructor
Mock Orals
Morbidity and Mortality Conference
Trauma Procedure Labs

Dr. Woods

ATLS course director/instructor

ABSITE review facilitator

DocOlympics judge

Faculty advisor

FCCS instructor: Mechanical ventilation

Intern boot camp skills lab facilitator: Suture/knot tying and chest tubes

Mock orals examiner

Morbidity and Mortality Conference

Trauma conference

Trauma procedure lab facilitator

Continuing medical education [grand rounds, seminars]

Kettering Medical Center, Department of Surgery Grand Rounds, December 8, 2021:
Operative Considerations for Foregut Surgery in 2021 (**Dr. Schneider**)

Kettering Medical Center, Department of Surgery Grand Rounds, January 5, 2022:
Current trends and management of COVID 19 (**Dr. Layba**)

Kettering Medical Center, Department of Surgery Grand Rounds, January 19, 2022:
Penetrating Trauma (**Dr. Bruun**)

Kettering Medical Center, Department of Surgery Grand Rounds, March 16, 2022:
Nutrition in the Surgical Patient: An Update (**Dr. Woods**)

Kettering Medical Center, Department of Surgery Grand Rounds, May 25, 2022:
E/M Coding Changes for Surgeons (**Dr. Barney**)

Other

ICU Rounds (**Dr. Bruun**)

Mechanical Ventilator, Traumatic Brain Injury Management, Wean to Extubation – How to do it, Management of Infection, Management of Oliguria, Management of AKI, Management of Diabetes in the ICU, Management of Atrial Fibrillation in the ICU

M&M Faculty Leadership: Select significant cases for presentation by residents weekly. Lead discussion and education of M&M conference. (**Dr. Bruun**)

EMS Virtual Education (**Dr. Gans**)

EMS Xenia Fire Department, Trauma Simulation (**Drs. Layba and Woods**)

5 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]

Woods RJ, Randomized, Double-Blind, Placebo-Controlled, Phase 2 Trial to Evaluate the Safety and Efficacy of TU-100 as an Adjunct to an Enhanced Recovery after Surgery (ERAS)

- Role: PI
- Duration: 2021-2023
- Amount: \$62,371

Publications [List each publication only once; do not list manuscripts in press. List only publications from the year covered by this report.]

Papers in refereed journals

(Student/resident author is italicized and WSUBSOM faculty is bolded)

Campion EM, Cralley A, Sauaia A, Buchheit RC, Brown AT, Spalding MC, LaRiccica A, Moore S, Tann K, Leskovan J, Camazine M, Barnes SL, Otaibi B, Hazelton JP, Jacobson LE, Williams J, Castillo R, Stewart NJ, Elterman JB, Zier L, Goodman M, Elson N, **Miner J**, Hardman C, Kapoen C, Mendoza AE, Schellenberg M, Benjamin E, Wakam GK, Alam HB, Kornblith LZ, Callcut RA, Coleman LE, Shatz DV, Burruss S, Linn AC, Perea L, Morgan M, Schroepfel TJ, Stillman Z, Carrick MM, Gomez MF, Berne JD, McIntyre RC, Urban S, Nahmias J, Tay E, Cohen M, Moore EE, McVane K, Burlew CC. Prehospital end-tidal carbon dioxide is predictive of death and massive transfusion in injured patients: An Eastern Association for Surgery of Trauma multicenter trial. *J Trauma Acute Care Surg.* 2022 Feb 1;92(2):355-361. doi: 10.1097/TA.0000000000003447. PMID: 34686640.

Kunal Desai, Pratibha Gupta, **Priti Parikh**, Alpa Desai. Impact of Virtual Heartfulness Meditation Program on Stress, Quality of Sleep, and Psychological Wellbeing during the COVID-19 Pandemic: A Mixed-Method Study. *International Journal of Environmental Research and Public Health.* 2021; 18(21):11114.

Diaz JJ, Zielinski MD, Chipman AM, O'Meara L, Schroepfel T, Cullinane D, Shoultz T, Barnes SL, May AK, Maung AA; **MERIDIAN Study Consortium**. Effect of Antibiotic Duration in Emergency General Surgery Patients with Intra-Abdominal Infection Managed with Open vs Closed Abdomen. *J Am Coll Surg.* 2022 Apr 1;234(4):419-427. doi: 10.1097/XCS.000000000000126. PMID: 35290260.

El Hechi M, Kongkaewpaisan N, Naar L, Aicher B, Diaz J Jr, O'Meara L, Decker C, Rodriguez J, Schroepfel T, Rattan R, Vasileiou G, Yeh DD, Simonoski U, Turay D, Cullinane D, Emmert C, McCrum M, Wall N, Badach J, Goldenberg-Sandau A, Carmichael H, Velopulos C, Choron R, Sakran J, Bekdache K, Black G, Shoultz T, Chadnick Z, Sim V, Madbak F, Steadman D, Camazine M, Zielinski M, Hardman C, **Walusimbi M**, Kim M, Rodier S, Papadopoulos V, Tsoulfas G, Perez J, Kaafarani HMA. The Emergency Surgery Score accurately predicts the need for postdischarge respiratory and renal support after emergent laparotomies: A prospective EAST multicenter study. *J Trauma Acute Care Surg.* 2021 Mar 1;90(3):557-564. doi:10.1097/TA.0000000000003016. PMID: 33507026.

El Hechi M, Kongkaewpaisan N, El Moheb M, Aicher B, Diaz J Jr, O'Meara L, Decker C, Rodriguez J, Schroepfel T, Rattan R, Vasileiou G, Yeh DD, Simonoski U, Turay D, Cullinane D, Emmert C, McCrum M, Wall N, Badach J, Goldenberg-Sanda A, Carmichael H, Velopulos C, Choron R, Sakran J, Bekdache K, Black G, Shoultz T, Chadnick Z, Sim V, Madbak F, Steadman D, Camazine M, Zielinski M, Hardman C, **Walusimbi M**, Kim M, Rodier S, Papadopoulos V, Tsoulfas G, Perez J, Kaafarani H. The emergency surgery score (ESS) and outcomes in elderly patients undergoing emergency laparotomy: A post-hoc analysis of an EAST multicenter study. *Am J Surg.* 2021 May;221(5):1069-1075. doi: 10.1016/j.amjsurg.2020.08.039. Epub 2020 Sep 4. PMID: 32917366.

Enriken C, Weed Z, Parikh P, Ekeh AP. Complications Following Splenic Embolization for Trauma: Have Things Changed Over Time? *J Surg Res.* 2022 Sep;277:44-49. doi: 10.1016/j.jss.2022.03.021. Epub 2022 Apr 20. PMID: 35460920.

Sagar Hirpara, Monit Vaishnav, **Pratik Parikh**, Nan Kong, and **Priti Parikh**. Locating Trauma Centers Considering Patient Safety. *Health Care Management Science.* 2022;25(2):291-310. doi:10.1007/s10729-021-09576-y

Ashley Kaminski, Garietta Falls, Priti Parikh. Clerkship Experience During Medical School: Influence on Specialty Decision. *Medical Science Educator,* 2021; 31:1109-1114. doi: <https://doi.org/10.1007/s40670-021-01281-3>.

Swetha Kondapalli, **Pratik Parikh**, Steven Repas, and **Priti Parikh**. Benchmarking Performance in Emergency Medical Services for Improving Trauma Care: A Data Driven Approach. *Informatics in Medicine Unlocked,* 2022. doi: [10.1016/j.imu.2022.100882](https://doi.org/10.1016/j.imu.2022.100882)

Kongkaewpaisan N, El Hechi MW, Naar L, Kaafarani HMA; **EAST Multicenter ESS Study Group.** Unplanned readmission after emergency laparotomy: A post hoc analysis of an EAST multicenter study. *Surgery.* 2021 Jun;169(6):1434-1440. doi:10.1016/j.surg.2020.11.047. Epub 2021 Jan 9. PMID: 33431187.

Layba C, Wallace DJ. Do Tracheostomy and Gastrostomy Confer Immortality in COVID-19? *Crit Care Med.* 2022 May 1;50(5):891-893. doi:10.1097/CCM.0000000000005504. Epub 2022 Feb 11. PMID: 35200195; PMCID: PMC9005085.

Matthay ZA, Hellmann ZJ, Callcut RA, Matthay EC, Nunez-Garcia B, Duong W, Nahmias J, LaRiccica AK, Spalding MC, Dalavayi SS, Reynolds JK, Lesch H, **Wong YM**, Chipman AM, Kozar RA, Penaloza L, Mukherjee K, Taghlabi K, Guidry CA, Seng SS, Ratnasekera A, Motameni A, Udekwu P, Madden K, Moore SA, Kirsch J, Goddard J, Haan J, Lightwine K, Ontengco JB, Cullinane DC, Spitzer SA, Kubasiak JC, Gish J, Hazelton JP, Byskosh AZ, Posluszny JA, Ross EE, Park JJ, Robinson B, Abel MK, Fields AT, Esensten JH, Nambiar A, Moore J, Hardman C, Terse P, Luo-Owen X, Stiles A, Pearce B, Tann K, Abdul Jawad K, Ruiz G, Kornblith LZ. Outcomes after ultramassive transfusion in the modern era: An Eastern Association for the Surgery of Trauma multicenter study. *J Trauma Acute Care Surg.* 2021 Jul 1;91(1):24-33. PMID: 34144557

Mokhtari AK, Maurer LR, **Wong YM**, Hardman C, Hafiz S, Sharrah M, Soe-Lin H, Peralta R, Parks JJ, Peralta R, Rattan R, Butler C, Hwabejire JO, Fawley J, Fagenholz PJ, King DR, Kaafarani H, Velmahos GC, Lee J, Mendoza AE, Saillant NN. Planning for the next pandemic: Trauma injuries require pre-COVID-19 levels of high-intensity resources. *Am Surg.* 2022 Apr 24;31348221084714. PMID: 35465697

Mokhtari AK, Maurer LR, Dezube M, Langeveld K, **Wong YM**, Hardman C, Hafiz S, Sharrah M, Soe-Lin H, Chapple KM, Peralta R, Rattan R, Butler C, Parks JJ, Mendoza AE, Velmahos GC, Saillant NN. Adding to the story, did penetrating trauma really increase? changes in trauma patterns during the COVID-19 pandemic: A multi-institutional, multi-region investigation. *Injury.* 2022 Jun;53(6):1979-1986. doi: 10.1016/j.injury.2022.02.034. Epub 2022 Feb 13. PMID: 35232568; PMCID: PMC8841004.

Musunga Mulenga, Zechariah Rhodes, Sherry Wren, Priti Parikh. Local Staff Perceptions and Expectations of International Visitors in Global Surgery Rotations. *JAMA Surgery.* 2021; 156(10):980-982. Media Coverage by Reuters: <https://www.medscape.com/viewarticle/954816>.

Priti Parikh, Savannah Kipfer, Timothy Crawford, Amalia Cochran, Garietta Falls. Unmasking Bias and Perception of Surgeons in the Operating Room: A Simulation Based Study. *American Journal of Surgery.* 2022; 223(1):58-63. doi:10.1016/j.amjsurg.2021.07.015

Parikh PP, Parikh P, Hirpara S, Vaishnav M, Sebastian S, **McCarthy MC**, Jansen J, Winchell RJ. Performance-Based Assessment of Trauma Systems: Estimates for the State of Ohio. *Am Surg.* 2022 Apr 20;31348211065095. doi:10.1177/00031348211065095. Epub ahead of print. PMID: 35443817.

Priti Parikh, Pratik Parikh, Sagarkumar Hirpara, Monit Vaishnav, Susan Sebastian, **Mary McCarthy**, Jan Jansen, Robert Winchell. Performance-Based Assessment of Trauma Systems: Estimates for The State of Ohio. *The American Surgeon* (in-press), 2022. doi:10.1177/00031348211065095

Travis Perry, William Pinette, Jason Miner, Heather Lesch, Brittany Denny, **Priti Parikh**. Outcomes in Ventilated Burn Patients with Acute Respiratory Distress Syndrome: An Evaluation of Early High-PEEP Strategy Using Berlin Criteria. *Journal of Burn Care & Research.* 2022; 43(2):287-292, <https://doi.org/10.1093/jbcr/irab169>

Prins JTH, Van Lieshout EMM, Ali-Osman F, Bauman ZM, Caragounis EC, Choi J, Christie DB 3rd, Cole PA, DeVoe WB, Doben AR, Eriksson EA, Forrester JD, Fraser DR, Gontarz B, Hardman C, Hyatt DG, Kaye AJ, Ko HJ, Leasia KN, Leon S, Marasco SF, McNickle AG, Nowack T, Ogunleye TD, Priya P, Richman AP, Schlanser V, **Semon GR**, Su YH, Verhofstad MHJ, Whitis J, Pieracci FM, Wijffels MME. Outcome after surgical stabilization of rib fractures versus nonoperative treatment in patients with multiple rib fractures and moderate to severe traumatic brain injury (CWIS-TBI). *J Trauma Acute Care Surg.* 2021 Mar 1;90(3):492-500. doi: 10.1097/TA.0000000000002994. PMID: 33093293.

Prins JTH, Van Lieshout EMM, Ali-Osman F, Bauman ZM, Caragounis EC, Choi J, Christie DB 3rd, Cole PA, DeVoe WB, Doben AR, Eriksson EA, Forrester JD, Fraser DR, Gontarz B, Hardman C, Hyatt DG, Kaye AJ, Ko HJ, Leasia KN, Leon S, Marasco SF, McNickle AG, Nowack T, Ogunleye TD, Priya P, Richman AP, Schlanser V, **Semon GR**, Su YH, Verhofstad MHJ, Whitis J, Pieracci FM, Wijffels MME. Surgical stabilization versus nonoperative treatment for flail and non-flail rib fracture patterns in patients with traumatic brain injury. *Eur J Trauma Emerg Surg.* 2022 Aug;48(4):3327-3338. doi: 10.1007/s00068-022-01906-1. Epub 2022 Feb 22. PMID: 35192003; PMCID: PMC9360098.

Repas SJ, **McCarthy M, Parikh P, Parikh PP**. Trauma-Specific Performance Improvement Activities for Emergency Medical Services Providers: A Statewide Perspective. *J Surg Res.* 2022 Jul 14;279:474-479. doi: 10.1016/j.jss.2022.06.022. Epub ahead of print. PMID: 35842972.

Schroll R, Smith A, Alabaster K, Schroepfel TJ, Stillman ZE, Teicher EJ, Lita E, Ferrada P, Han J, Fullerton RD, McNickle AG, Fraser DR, Truitt MS, Grossman Verner HM, Todd SR, Turay D, Pop A, Godat LN, Costantini TW, Khor D, Inaba K, Bardes J, Wilson A, Myers JG, Haan JM, Lightwine KL, Berdel HO, Bottiggi AJ, Dorlac W, Zier L, Chang G, Lindner M, Martinez B, Tatum D, Fischer PE, Lieser M, Mabe RC, Lottenberg L, Velopoulos CG, Urban S, Duke M, Brown A, Peckham M, Gongola A, Ennis TM, Teixeira P, Kim DY, Singer G, **Ekeh P**, Hardman C, Askari R, Okafor B, Duchesne J. AAST multicenter prospective analysis of prehospital tourniquet use for extremity trauma. *J Trauma Acute Care Surg.* 2022 Jun 1;92(6):997-1004. doi: 10.1097/TA.0000000000003555. Epub 2022 Jan 18. PMID: 35609289.

Walk CT, Ross A, Kranker L, Whitmill M, Ballester M, **Parikh PP, Semon G, Ekeh AP**. The Oregon District Shooting: Reviewing the Pre-Hospital Protocols and the Role of the Resident During a Multiple Casualty Event. *Am Surg.* 2022 Jul 8;31348221114044. doi: 10.1177/00031348221114044. Epub ahead of print. PMID: 35802891.

Casey Walk, Rodrigo Gerardo, Priti Parikh. Increasing Social Media Presence for Graduate Medical Education Programs. *The American Surgeon* (in-press), 2021. doi:10.1177/00031348211031848.

Walusimbi M, Dossa AY, Faryar K, Markert RJ, McCarthy MC. Upper Extremity Deep Venous Thrombosis Risk Factors, Associated Morbidity and Mortality in Trauma Patients. *World J Surg.* 2022 Mar;46(3):561-567. doi:10.1007/s00268-021-06383-y. Epub 2022 Jan 3. PMID: 34981151.

White C, Hardman C, **Parikh P, Ekeh AP**. Endostapler vs Endoloop closure of the appendiceal stump in laparoscopic appendectomy: Which has better outcomes? *Am J Surg*. 2021 Aug;222(2):413-416. doi: 10.1016/j.amjsurg.2020.12.047. Epub 2020 Dec 30. PMID: 33419519.

Books, chapters, reviews

Ekeh AP, Commentary on chapter 6, Perioperative Arrhythmias, eds Cohn SM, Lisbon A, Heard S, 50 Landmark Papers every Intensivist Should Know, CRC Press, 2022, www.routledge.com

Kranker LM, Straughn AD, Robinson ZS, Layba CJ. Perioperative Hemorrhage in the Setting of Prolonged Therapeutic Levels of Apixaban in Acute-on-Chronic Kidney Disease. *ACS Case Reviews in Surgery*. 2021;3(5):16–19.

Published abstracts

Semon G, Miner J, DaSilva J, et al. Immune-Enhancing Nutrition in Traumatic Brain Injury: A Blinded Prospective Randomized Pilot Study [Abstract]. *Crit Care Med*. 2021;49(1):666

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

Ekeh AP, Invited discussant for “Elective Inguinal Hernia Repair: Is Increased Resident Autonomy Associated with Postoperative Clinical Outcome?” Rogers et. al at the combined Central Surgical Association/Midwest Surgical Association Annual Meeting, July 25th – 27th, 2021. Chicago, IL

Ekeh AP. Invited discussant for “Structured Examinations Remove Racial Grading Bias in Oral Examinations in the General Surgery Clerkship” Caldwell et al. al at the combined Central Surgical Association/Midwest Surgical Association Annual Meeting, July 25th – 27th, 2021. Chicago, IL

Mensah R, Kaufmann S, **Ekeh A**: Percutaneous Cholecystostomy for Acute Cholecystitis - Outcomes, Complications & Definitive Therapy. Presentation at the 18th Academic Surgical Congress February 7th, 2022, Orlando, Florida

Ekeh AP, Updates in the Management of Breast Cancer in 2022. Session Moderator at the 61st West African College of Surgeons Annual Congress, March 21st – 24th, 2022, Monrovia, Liberia

Ekeh AP, “Recent Advances in the use of Simulation in Surgical Training”. Guest Lecture at the 61st west African College of Surgeons Annual Congress, March 21st – 24th, 2022, Monrovia, Liberia

Lesch H, Hardman C, Mouch A, Wong, YM. Enteral Nutrition as the Sole Prophylaxis Against Gastrointestinal Bleeding in Trauma ICU Patients. Presented orally at the 18th Annual Academic Surgical Congress 2022 in Orlando, FL.

Miner, J, Defining Mild Traumatic Brain Injury: Making the Leap from Research Definition to Clinical Practice, Miner J, Harris K, Hardman C, et al., Department of Surgery, Wright State University, Dayton, OH, 1st Annual Boonshoft School of Medicine Research Forum, Apr 2022

Semon G, Lucky Number Thirteen: Association Between Incidence of Chest Wall Stabilization per Hospital and Patient Outcome, Tillman A, Martin T, Stephen A, et al. Division of Trauma and Critical Care Surgery, Brown University, Providence, RI Chest Wall Injury Summit – Discussant, Apr 2022

Semon G. Discussion of: Schulz-Drost et al, “Surgical treatment of rib fractures – are there any changes in the last 15 years?” Chest Wall Injury Society Summit; 2022; Park City, UT.

Semon G. Discussion of: Martin et al, "Comparison of surgical stabilization of rib fractures vs. Epidural analgesia on early clinical outcomes." Eastern Association for the Surgery of Trauma Annual Clinical Assembly; 2022; Austin, TX.

Estelle Viaud-Murat, Musunga Mulenga, Sherry Wren, and Priti Parikh. We See Things Differently: Comparing and Contrasting the Perceptions of Local Staff and Visiting Healthcare Workers During Global Health Rotations. Oral podium presentation, Surgical Education Week - Association for Surgical Education Annual Meeting, May 2-7, 2022, San Antonio, TX

Casey Walk, Rodrigo Gerardo, and Priti Parikh. Thriving in the Virtual Era: An Organized Approach to Improve Program Visibility and the Virtual Residency Interview Process. Poster presentation, Surgical Education Week - Association for Surgical Education Annual Meeting, May 2-7, 2022, San Antonio, TX

Casey Walk, Rebecca Nowak, Priti Parikh, and Randy Woods. Perception vs Reality: A Review of Narcotic Prescribing Habits After Common Laparoscopic Surgeries. Quickshot oral presentation, 17th Annual Academic Surgical Congress, February 1-3, 2022, Orlando, FL.

Casey Walk, Sarah Katchen, Keavash Assani, Priti Parikh and Rebecca Tuttle. The Effect of COVID-19 Pandemic on the Stage of Presentation of Common Cancers at a Community Hospital. ePoster presentation, Society of Surgical Oncology Annual Meeting, March 9-12, 2022, Dallas, TX

Woods, RJ, Surgical Response to a Mass Casualty Event, presented during the General Session of the 2022 Ohio Chapter of the American College of Surgeons Annual Meeting, Cleveland, OH, April 23, 2022.

Woods RJ, Dayton Ohio Shooting Panel at the Best Practices During Mass Shootings Workshop, Sponsored by USN NCDMPH, Department of Defense, Department of Health and Human Services, The Department of Homeland Security and Department of Transportation, September 16 and 17, 2021. (virtual)

6 Summary of Service Activities

Wright State University Boonshoft School of Medicine [or college name]

Strategic Planning Committee (**Dr. Schneider**)

Hospital or affiliated institution [name]

Kettering Medical Center Cancer Liaison Physician for ACS CoC, CQRC (**Dr. Tuttle**)

Kindred Hospital of Dayton – President of the Medical Staff and Physician Advisor (**Dr. Heyse**)

Member of Miami Valley Hospital Oncology Committee (**Dr. Roelle**)

Member of Premier Cancer Institute and subgroup "Breast Disease Growth Team". (**Dr. Roelle**)

Trauma Program Medical Director of ACS verified Level 1 trauma program at MVH (**Dr. Ekeh**)

Trauma Program Medical Director of ACS verified Level III trauma program at Miami Valley Hospital – South. Successful Level 3 verification this reporting year (**Dr. Gans**)

State

Medical Director, Life Connections of Ohio (**Dr. Gans**)

National

Represent specialty of General Surgery as AMA CPT Editorial Panel member reappointed for 4 years

(**Dr. Barney**)

AMA CPT/RUC EM Workgroup 2018-present (**Dr. Barney**)

ACS GSCRC-General Surgery Coding & Reimbursement Committee (Chair 2016-21) (**Dr. Barney**)

ACS Health Policy and Advocacy Committee, 2016-2021 (**Dr. Barney**)

Other

Instructor for ATLS Instructor Course, Abuja, Nigeria, March 24th 27th, 2022 (**Dr. Ekeh**)

COSECSA Examiner (**Dr. Walusimbi**)

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Patient Care Summary

The clinical practice continued strong in the academic year. As the local FQHC, Five Rivers Health Care, combined offices into their new campus in Edgemont area of Dayton, the Department of Surgery continued to see the breast cancer patients with Dr Linda Barney and Kelly Thobe, PA-C, in the Apple Street office. Dr Randy Woods assumed the proctor position of the surgery clinic on the Edgemont Campus.

Currently, the Department works out of four WSP clinics across the Dayton region, the main office at Apple Street, our second office at Miami Valley Hospital South, the OB/GYN office in Oakwood and the Health Center in Fairborn on the WSU campus.

This past academic year, the department of surgery providers:

- wRVUs – 99150
- new patient visits – 1525
- established office visits – approx. 2250
- postop office exams - 2155

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Honors and awards [Faculty or staff]

Mukul Chandra Exemplary Consultant Award, May 2022 (**Dr. Gans**)

Top 10 African American Male Honoree, Feb 2022 (**Dr. Ekeh**)

Full-Time Faculty Clinical Teacher of the Year by Department of Surgery Residents (**Dr. Miner**)

Albert B. Huffer Outstanding Teacher of Clinical Surgery Award by WSU BSOM Medical Students (**Dr. Wong, First Place; Drs. Walusimbi and Schneider tied for Second Place**)

Full-Time Faculty Clinical Teacher of the Year by DOS Residents (**Dr. Bruun**)

Dayton Best Doctors awarded by the Dayton Business Journal (**Drs. Roelle, Barney, Schneider, and Ekeh**)

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Hosted events [CME, etc.]

N/A

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Other information

Medical Mission Annual Trip to Gabon (**Dr. Ekeh**)