



Department of Surgery

Annual Report:

July 1, 2020 – June 30, 2021

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

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Statement from the Chair

Welcome to the Annual Report for the Department of Surgery. The past 12 months have been extraordinarily busy for everyone in the department. This increased tempo has been a reality for our surgical providers and the department's clinical staff.

The Department is 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 clinical efforts in two subsets of care, one focusing on Women's Health-Breast Diseases and the other group focuses on broad-based general surgery. The Acute Care Surgery Division partners with Miami Valley Hospital and Premier Health, to manage and run the ACS-verified Level I trauma program, in addition, manage the patients on the Emergency General Surgery service. As you read further, it will become apparent that the pandemic impacted us in various ways; however, the past 12 months have been busy. Through all of this, the providers, clinical and the administrative staff have worked together to ensure our mission driven goals of Patient Care, Medical Education and Scholarly activity are achieved.

The mission of the department continues to be providing optimal care to the patients of our region, provide an exceptional educational environment for our learners (both undergraduate and postgraduate), and engage in scholarly activity that will advance the health of the region, as well as provide a platform to educate our learners. 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 base treatment facility. An area of ongoing pride, this year is our seven graduating chief surgery residents who spread out across the country, five entering general surgery practice (atypical for a surgery training program) and two who entered fellowships, one in vascular surgery and the other in solid organ transplantation. The program continues to train eight chiefs this year with a total of 42 trainees. The Fellowships in Acute Care Surgery and Surgical Critical Care will be training two fellows in the 2021/2022 year. Our recent graduate of the SICU Fellowship is continuing further training in the Chicago region.

The department's research efforts continue to provide a platform for resident and medical student achievement with publications and presentations throughout the year. The BSOM has begun a review of the research endeavors through the SOM, the department looks forward to being a strong partner in building our research activities to support our faculty in being productive in scholarly activities while caring for the patients they see every day.

As June came to an end, the department was looking forward to the naming of a new Chair of Surgery, which we expected by the end of summer. Anticipating the clinical pace in the upcoming 12 months has been difficult. From a clinical standpoint, our hospital partners have been inexplicably busy, and our office traffic remains at a brisk pace. The department's efforts are positively impacting the health of the various communities we serve and is fairly diversified across the two clinical divisions. We need to be watchful of overextending along with exhaustion and fatigue. Developing improved ways to complete the administrative tasks, as well as improving the provider's efficiency with EMR completion, will be crucial to further growth and protection of our providers.

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-present
	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	2020-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-present
	Jeffrey Pence, MD	2008-present
	Oliver Soldes, MD	2015-present
Research and Education	Priti Parikh, PhD (Dir)	2012-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
	Kyle Conway, MD	2018-present
	Scott Hewitt, DO	2014-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 Assistant 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 Kettering Health Medical Group	General/Vascular Surgery	
Timothy Broderick, MD Chief Scientist Professor Associate Dean for Research Affairs		
John Bruun, MD Assistant Professor	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 Medical Director of Trauma	Injury Prevention	Injury Prevention Trauma

Name and Academic Position	Clinical Interests	Research Interests
Ravindhra 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

David Meagher, Jr., MD, FACS Professor Medical Director, Pediatric Surgery, Trauma and Burns Dayton Children's Hospital Surgical Co-Director of Pediatric Intensive Care Unit Dayton Children's Hospital	Pediatric Trauma	Pediatric Trauma
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 Assistant Program Director, Kettering Health Network 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 Associate Professor Director of Research	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 Clerkship Director Medical Director, High Risk Breast Cancer Center Miami Valley Hospital	General Surgery/Breast	Surgical Education Breast Disease
Gregory Semon, DO, FACS, FACOS Assistant 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
Paul Koles, MD	Pathology
Catherine Marco, MD	Emergency Medicine
Ronald Markert, PhD	Internal Medicine
Pratik Parikh, PhD	Biomedical, Industrial and Human Factors

4 Teaching

Graduate students, including thesis supervision [master's, doctor's post-doctoral]

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. McCarthy

Case presentations

Letters of recommendations for surgical, anesthesia and specialty surgical applicants

Surgical anatomy review for boot camp

TEAM simulation lab

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

Applying for surgical residency information session

Case presentations

Fourth year medical student boot camp

Introduction to Clinical Medicine (ICM) boot camp

Medical student orientation lecture

Participated in LCME site visit

Pig foot suture lab

Personal statement review

Preceptor: Third and fourth year medical students

TBL: Perioperative, hepatobiliary and stomach

TEAM: Patient scenarios

Ultrasound lab

VA Skills lab

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

MVH Morbidity/Mortality Conference (weekly) attends and contributes
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.
QITI Curriculum comm. 2019-2020

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. Galusha

After hours robotic training sessions
Mock orals
Resident advisor
Rotation director WPAFB

Dr. Layba

ASSET Course Instructor
FCCS Instructor
ATLS Instructor
PGY-4 Faculty Mentor
Mock Orals
Trauma Rotation Simulation Education

Dr. McCarthy

ABSITE review
FCCS Course Instructor
ACS conference speaker
Mock orals
Interview all surgical residency candidates
Rank order list committee
Ultrasound lab

Dr. Miner

Morbidity and Mortality Conference
Basic Science
ATLS Instructor
FCCS Instructor
ASSET Instructor

Dr. Pence

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

Dr. Roelle

Breast conference presentations
DocOlympics judge
Mock orals
Morbidity and Mortality Conference

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
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

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

Basic Science Presentations

FCCS Instructor

Mock Orals

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, October 7, 2020, Evaluation and Management of Enterocutaneous and Enteroatospheric Fistulae **(Dr. Gans)**

Kettering Medical Center, Department of Surgery Grand Rounds, December 9, 2020, From Sand Bags to SSRF: Innovation in Chest Wall Injury Management **(Dr. Semon)**

Kettering Medical Center, Department of Surgery Grand Rounds, March 17, 2021, On the Physical Death of Jesus Christ – Perspective of a Trauma Surgeon **(Dr. Ekeh)**

Kettering Medical Center, Department of Surgery Grand Rounds, April 14, 2021, Economics, **(Dr. Tchorz)**

Other

Presentation to MVHES Physicians and Advanced Practice Providers
February 18th, 2021 “Trauma 101” **(Dr. Ekeh)**

ACS Conference: Complications of Geriatric Surgery **(Dr. Bruun)**

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

Ward Rounds (Dr. Bruun)

Chest Tube Management, Shock

EMS (Dr. Bruun)

Geriatric Trauma

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)**

5 Scholarly Activity

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

Faculty in bold; residents and students italicized

Harrison LM, Woods RJ, McCarthy MC, Parikh PP. Development and implementation of a sustainable research curriculum for general surgery residents: A foundation for developing a research culture. *Am J Surg*. 2020 Jul;220(1):105-108. doi: 10.1016/j.amjsurg.2019.09.028. Epub 2019 Sep 26. PMID: 31590889.

Kaafarani HMA, Kongkaewpaisan N, Aicher BO, Diaz JJ Jr, O'Meara LB, Decker C, Rodriguez J, Schroepfel T, Rattan R, Vasileiou G, Yeh DD, Simonoski UJ, Turay D, Cullinane DC, Emmert CB, McCrum ML, Wall N, Badach J, Goldenberg-Sandau A, Carmichael H, Velopulos C, Choron R, Sakran JV, Bekdache K, Black G, Shoultz T, Chadnick Z, Sim V, Madbak F, Steadman D, Camazine M, Zielinski MD, Hardman C, **Walusimbi M**, Kim M, Rodier S, Papadopoulos VN, Tsoulfas G, Perez JM, Velmahos GC. Prospective validation of the Emergency Surgery Score in emergency general surgery: An Eastern Association for the Surgery of Trauma multicenter study. *J Trauma Acute Care Surg*. 2020 Jul;89(1):118-124. doi:10.1097/TA.0000000000002658. PMID: 32176177.

Marco CA, Sorensen D, Hardman C, Bowers B, Holmes J, **McCarthy MC**. The author responds: Risk factors for pneumonia following rib fractures. *Am J Emerg Med*. 2020 Jul;38(7):1516-1517. doi: 10.1016/j.ajem.2020.01.001. Epub 2020 Jan 3. PMID: 31932129.

Polites SF, Moody S, Williams RF, Kayton ML, Alberto EC, Burd RS, Schroepfel TJ, Baerg JE, Munoz A, Rothstein WB, Boomer LA, Champion EM, Robinson C, Nygaard RM, Richardson CJ, Garcia DI, Streck CJ, Gaffley M, Petty JK, Greenwell C, Pandya S, Waters AM, Russell RT, Yorkgitis BK, Mull J, **Pence J**, Santore MT, MacArthur T, Klinkner DB, Safford SD, Trevilian T, Vogel AM, Cunningham M, Black C, Rea J, Spurrier RG, Jensen AR, Farr BJ, Mooney DP, Ketha B, Dassinger MS 3rd, Goldenberg-Sandau A, Roman JS, Jenkins TM, Falcone RA Jr. Timing and volume of crystalloid and blood products in pediatric trauma: An Eastern Association for the Surgery of Trauma multicenter prospective observational study. *J Trauma Acute Care Surg*. 2020 Jul;89(1):36-42. doi: 10.1097/TA.0000000000002702. PMID: 32251263.

Pieracci FM, Leasia K, Bauman Z, Eriksson EA, Lottenberg L, Majercik S, Powell L, Sarani B, **Semon G**, Thomas B, Zhao F, Dyke C, Doben AR. Authors' Response to letter by Elkbuli et al. *J Trauma Acute Care Surg*. 2020 Oct;89(4):e123-e124. doi: 10.1097/TA.0000000000002844. PMID: 32618966.

Tchorz K, Rozycki G, Feliciano DV. Prosthetic graft infection after vascular trauma. *Trauma Surg Acute Care Open*. 2020 Nov 3;5(1):e000547. doi: 10.1136/tsaco-2020-000547. PMID: 33178893; PMCID: PMC7640535.

Anderson SR, Tuttle RM, Markov LCNP, Johnson RM, Fox LCJP. The surgical treatment of breast cancer: A journey, not a procedure. *Breast J*. 2020 Dec;26(12):2441-2443. doi: 10.1111/tbj.14081. Epub 2020 Oct 11. PMID: 33040436.

Graham M, Parikh P, Hirpara S, **McCarthy MC**, Haut ER, **Parikh PP**. Predicting Discharge Disposition in Trauma Patients: Development, Validation, and Generalization of a Model Using the National Trauma Data Bank. *Am Surg.* 2020 Dec;86(12):1703-1709. doi: 10.1177/0003134820949523. Epub 2020 Sep 11. PMID: 32915055.

Kirkpatrick DR, **Markov NP**, **Fox JP**, **Tuttle RM**. Initial Surgical Treatment for Breast Cancer and the Distance Traveled for Care. *Am Surg.* 2020 Dec 19;3134820973733. doi: 10.1177/0003134820973733. Epub ahead of print. PMID: 33345553.

Weigand L, **Metoyer GT**, **Ross DE**, **Parikh PP**, **Tuttle RM**. Surgical and Pathological Documentation and Compliance With Consensus Guidelines in Patients With Thin Melanoma at a Community Teaching Hospital. *Am Surg.* 2020 Dec 21;3134820973353. doi: 10.1177/0003134820973353. Epub ahead of print. PMID: 33345551.

D'Agostino R, Kursinskis A, Parikh P, Letarte P, Harmon L, **Semon G**. Management of Penetrating Traumatic Brain Injury: Operative versus Non-Operative Intervention. *J Surg Res.* 2021 Jan;257:101-106. doi: 10.1016/j.jss.2020.07.046. Epub 2020 Aug 17. PMID: 32818778.

Gibbons AT, Hanke RE, Casar Berazaluce AM, Abdulhai S, Glenn IC, McNinch NL, Endo M, Shah S, Yada K, Wolak P, Leys CM, **Aranda A**, Miyano G, Midulla P, Patkowski D, Novotny NM, Ponsky TA. Recurrence after laparoscopic high ligation in adolescents: A multicenter international retrospective study of ten hospitals. *J Pediatr Surg.* 2021 Jan;56(1):126-129. doi: 10.1016/j.jpedsurg.2020.09.026. Epub 2020 Oct 6. PMID: 33172675.

El Hechi M, Kongkaewpaisan N, Naar L, Aicher B, Diaz J Jr, O'Meara L, Decker C, Rodriquez 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.

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.

Cirincione E, **Woods RJ**, Kuo LE, Nelson PW, Patel K. APDS Task Force on Resident Transfers: Guidelines for Program Directors. *J Surg Educ.* 2021 May-Jun;78(3):795-800. doi: 10.1016/j.jsurg.2020.08.040. Epub 2020 Sep 18. PMID: 32958419.

El Hechi M, Kongkaewpaisan N, El Moheb M, Aicher B, Diaz J Jr, O'Meara L, Decker C, Rodriquez 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.

Faucett EA, Wolter NE, Balakrishnan K, Ishman SL, Mehta D, Parikh S, Nguyen LHP, Preciado D, Rutter MJ, Prager JD, Green GE, Pransky SM, **Elluru R**, Husein M, Roy S, Johnson KE, Friedberg J, Johnson RF, Bauman NM, Myer CM 4th, Deutsch ES, Gantwerker EA, Willging JP, Hart CK, Chun RH, Lam DJ, Ida JB, Manoukian JJ, White DR, Sidell DR, Wootten CT, Inglis AF, Derkay CS, Zalzal G, Molter DW, Ludemann JP, Choi S, Schraff S, Myer CM 3rd, Cotton RT, Vijayasekaran S, Zdanski CJ, El-Hakim H, Shah UK, Soma MA, Smith ME, Thompson DM, Javia LR, Zur KB, Sobol SE, Hartnick CJ, Rahbar R, Vaccani JP, Hartley B, Daniel SJ, Jacobs IN, Richter GT, de Alarcon A, Bromwich MA, Propst EJ. Competency-Based Assessment Tool for Pediatric Esophagoscopy: International Modified Delphi Consensus. *Laryngoscope*. 2021 May;131(5):1168-1174. doi: 10.1002/lary.29126. Epub 2020 Oct 9. PMID: 33034397.

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.

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. 2020 Dec 30: S0002-9610(20)30825-4. Online ahead of print.

Marco CA, **Ekeh AP**, Hardman C, Lovell M, Brent A, Akamune: Seat belt use among patients in motor vehicle collisions: Clinical and demographic factors. *J. Am J Emerg Med*. 2020; 38:1069-1071.

Papers in refereed journals

Dr. Walusimbi

Prospective validation of the Emergency Surgery Score in emergency general surgery: An Eastern Association for the Surgery of Trauma multicenter study. *Journal of Trauma and Acute Care Surgery*: July 2020 - Volume 89 - Issue 1 - p 118-124

Books, chapters, reviews

Tuttle, R and J Howe (2020). "Differentiated Thyroid Cancer." In *Complex General Surgical Oncology*, Decker Medicine LLC. Online.

Published abstracts

Semon G, Straughn A, Hardman C, Steele B, Ekeh AP. Andexanet alfa versus 4-factor PCC for reversal of intracranial hemorrhage associated with factor Xa inhibitors. E-poster presentation at: Society of Critical Care Medicine 50th Annual Critical Care Congress, 2021 (virtual).

Semon G, Miner JA, Malik R, DaSilva J, Bruun J, Gossett HJ, Young L, Herzing K, Hardman C, Ekeh AP. Immune-enhancing nutrition in traumatic brain injury: a blinded prospective randomized pilot study. E-poster presentation at: Society of Critical Care Medicine 50th Annual Critical Care Congress, 2021 (virtual).

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

Moderator SF213 Surgical Education III. **R Tuttle**. 2020 American College of Surgeons Clinical Congress Scientific Forum, Virtual, October 4, 2020.

August 2nd, 2020, Midwest Surgical Association Meeting, Mackinac Island, MI
Harris K, **Ekeh AP**: W

August 3rd. 2020, Midwest Surgical Association Meeting, Mackinac Island, MI
White C, Hardman C, Parikh P, **Ekeh AP**: Endostapler vs Endoloop closure of the appendiceal stump in laparoscopic appendectomy: Which has better outcomes?

February 4th, 2021. 16th Academic Surgical Congress. (Virtual) Wong YM, Wolff T, LaRiccia A. Spalding C, Hardman C. **Ekeh AP**: *"Experience with the Introduction of REBOA at Two Midwestern Level 1 Trauma Centers"*

February 4th, 2021. 16th Academic Surgical Congress. (Virtual) Harrison D, Hardman C, **Ekeh AP**: *"Routine Deep Vein Thrombosis Screening in Asymptomatic Trauma Patients "*.

D'Agostino RN, Kursinskis AO, Parikh P, Letarte P, Harmon L, **Semon G**. Management of penetrating traumatic brain injury: operative versus nonoperative management. Oral presentation at: Academic Surgical Congress; 2020 Feb 5; Orlando, FL.

Sensing T, Parikh P, Hardman C, Wischgoll T, Menon S, **Semon G**. Augmented reality headset facilitates exposure for surgical stabilization of rib fractures. Quickshot at: Academic Surgical Congress; 2020 Feb 4; Orlando, FL.

Consultantships [sponsor activity]

N/A

Other recognition [e.g. editorships, reviewer awards]

N/A

6 Summary of Service Activities

Student advising

Student Advisor Fourth Year Students (**Drs. Layba, Wong, Woods**)

Committee membership/officer

Wright State University Boonshoft School of Medicine

Academy of Medicine Board of Trustees (**Dr. Barney, chair**)

Admissions Committee (**Drs. Aranda, Dunn**)

Biennium I Medical Student Elective Course Curriculum Subcommittee (**Dr. Parikh** co-chair)

Biennium II Committee/Doctoring Committee (**Dr. Roelle**)

Bylaws Committee (**Dr. Parikh**)

Clinical Competency Committee (**Drs. Barney, Layba, Semon, Wong, Woods**)

Executive Committee (**Drs. Barney**)

Department of Surgery Milestones Committee – senior residents (**Dr. Barney, Roelle**)

Department of Surgery Promotions Committee (**Dr. Ekeh, Woods, Dunn**)

Department of Surgery Research Committee (**Dr. Parikh**, chair)

Department of Surgery Resident Leadership Council (**Dr. Tuttle**)

Department of Surgery Resident Wellness Committee (**Drs. Tuttle, Layba**)

Department of Surgery Resident Selection Committee (**Dr. McCarthy**)

Department of Surgery, Surgery Club (**Drs. Woods**, chair, and **Dr. Parikh** co-chair)

Faculty Curriculum Committee (**Dr. Roelle**)

Graduate Medical Education Consortium (**Dr. Woods**)

Medical Student Research Task Force Committee (**Dr. Parikh**)

Nominating Committee (**Dr. Roelle, Woods**)

Researchers in Clinical Departments Committee (**Dr. Parikh**)

Scholarly Project Task Force Committee **Dr. Parikh**

Wright State Physicians

Department of Surgery Faculty Actions Committee (**Drs. Ekeh, Woods**)

Finance Committee (**Drs. Barney**)

Hospital or affiliated institution [name]

Grandview Hospital General Surgery Residency Volunteer Faculty (**Dr. Semon**)

Kettering Health Network Cancer Committee (**Dr. Tuttle** - cancer Liaison Physician)

Kettering Health Network GYN/Surgical Oncology Committee (**Dr. Tuttle**)

Miami Valley Hospital Board of Trustees (**Dr. Ekeh**)

Miami Valley Hospital Breast Cancer Collaborative (**Dr. Roelle**)

Miami Valley Hospital Cancer Center Operations Committee (**Dr. Ouellette**)

Miami Valley Hospital Directors of Education Committee (**Drs. Walusimbi, Tuttle**)

Miami Valley Hospital Emergency Management Committee (**Dr. Semon**, chair)

Miami Valley Hospital Emergency and Trauma Institute (**Drs. Semon, Ekeh, Woods**)

Miami Valley Hospital Endoscopy Committee (**Dr. Barney**)

Miami Valley Hospital Massive Transfusion Protocol (MTP) Committee (**Dr. Semon**)

Miami Valley Hospital Medical Director, Trauma Program (**Dr. Ekeh**)

Miami Valley Hospital Medical Staff Quality Committee (**Dr. Semon**)

Miami Valley Hospital Multi-Disciplinary Breast (**Dr. Roelle**, lead physician)

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

Miami Valley Hospital Operating Room Scheduling Committee (**Dr. Barney, Woods**)

Miami Valley Hospital Robotics Committee (**Dr. Ouellette**)

Miami Valley Hospital Surgical Services Committee (**Drs. Ouellette, Wong**)

Miami Valley Hospital Trauma Committee (**Drs. Bruun, Ekeh, Gans, Layba, McCarthy, Semon, Walusimbi, Wong, Woods**)

Premier Oncology Institute (**Dr. Roelle**)

Premier Health Partners Cancer Institute Coordinator Program Meeting (**Dr. Ouellette**)

Premier Health Partners Breast Cancer Implementation Team (**Dr. Roelle**)

Premier Health Quality Committee (**Dr. Barney**)

Premier Health Specialty Surgery Committee (**Dr. Barney**)

Veterans Administration Medical Center Affiliations Partnership Council (**Dr. Woods**)

State

American College of Surgeons

- Commission on Cancer (**Dr. Ouellette**, co-chair)
- Ohio Committee on Trauma (**Dr. Ekeh**, vice chair)
 - Resident Papers Committee (**Dr. McCarthy**)
 - State Faculty (**Drs. Woods, Ekeh**)
 - TQIP Committee (**Dr. McCarthy**)
 - Verification Committee (**Dr. McCarthy, Ekeh**)
 - Global Health Education Work Group (**Dr. McCarthy**)
 - Member Services Liaison Committee (**Dr. McCarthy**)

National

American Association for the Surgery of Trauma

- International Committee (**Dr. Ekeh**)

American College of Surgeons

- Commission on Cancer Pediatric Oncology Measures Work Group (**Dr. Pence**)
- Committee on Optimal Access (**Dr. Dunn**)
- General Surgery Coding and Reimbursement Committee (**Dr. Barney, chair**)
- Health Policy and Advocacy Group (**Dr. Barney**)
- MACRA Episode based cost Measures – Clinical Committees / Acumen (**Dr. Barney**)
- Member Services Committee (**Dr. Dunn**)
- Operation Giving Back Committee (**Dr. Ekeh**)
- Optimal Pediatric Surgical Care Committee (**Dr. Aranda**)
- Scientific Forum Moderator (**Dr. Tuttle**)
- Verification Review Committee (**Dr. Ekeh**)
- Women in Surgery Committee (consultant) Chair, Awards Subcommittee (**Dr. Dunn**)

American Medical Association

- Ad Hoc RUC-CPT Committee on Patient Relationship Codes (**Dr. Barney**)

American Society for Pediatric Otolaryngology

- Finance Committee (**Dr. Elluru, chair**)

American Surgical Association

- Audit Committee (**Dr. McCarthy**)

Americas Hepato-Pancreato-Biliary Association

- Program Committee (Professional Development) (**Dr. Ouellette**)

Association for Academic Surgery

- Institutional Representative Committee (**Dr. Parikh**)
- Leadership Committee (**Dr. Parikh**)
- Technology and Communication Committee (**Dr. Parikh**)
- West African Task Force (**Dr. Ekeh**)

Association for Surgical Education

- Curriculum Committee (**Dr. Barney, Roelle**)
- Surgical Education Clerkship Director Committee (**Dr. Roelle**)
- Multi-Institutional Educational Research Group (MERG) (**Dr. Barney**)
- American College of Surgeons-Association for Surgical Education Curriculum for Surgery (**Dr. Barney**)

Chest Wall Injury Society

- Social Media Committee (**Dr. Semon**)

Eastern Association for the Surgery of Trauma

- Clinical Assembly Committee (**Dr. Semon**)
- Mentorship Committee (**Dr. Ekeh**)

Living with Lymphedema Foundation (**Dr. Barney, chair**)

Midwest Surgical Association

- Executive Council Member, Treasurer (**Dr. Ekeh**)
- Planning Committee (**Dr. Ouellette**)
- Surgical Audit Committee (**Dr. McCarthy**)

Pacific Association of Pediatric Surgeons

- Editorial Committee (**Dr. Aranda**)
- Publication Committee Member (**Dr. Aranda**)

Pan African Association of Christian Surgeons

- Board Member (**Dr. Ekeh**)

Society of University Surgeons

- Education Committee (**Dr. Ekeh**)

Triology Society

- Intellectual Property Committee (**Dr. Elluru**)

West African College of Surgeons

- Coordinator for North America (**Dr. Ekeh**)
- Council Member (**Dr. Ekeh**)

Other

Breast Cancer Task Force of the Miami Valley (**Roelle**, medical director)

“Drive Alive” Program for Juveniles Convicted of Drunk Driving (**Dr. Ekeh creator**)

Injury Prevention Center of Greater Dayton Area Executive Committee (**Dr. McCarthy**)

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

Living Dayton Appearance, National Kidney Awareness Month, promote kidney health, March 2021 (**Dr. Heyse**)

Montgomery County American Cancer Society (**Dr. Ouellette**, board member)

Montgomery County DUI Task Force (**Dr. Ekeh**)

Montgomery County Medical Society (MCMS Board) (**Dr. Dunn**)

Montgomery County Medical Society COVID Task Force (**Dr. Dunn**)

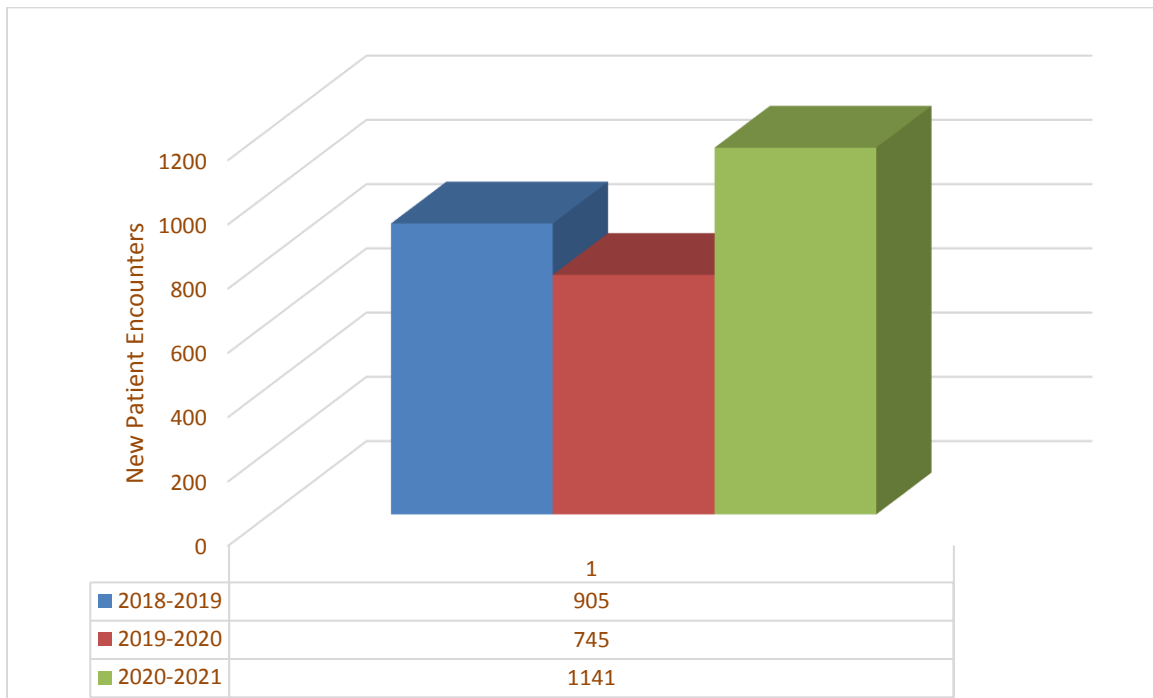
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Patient Care Summary

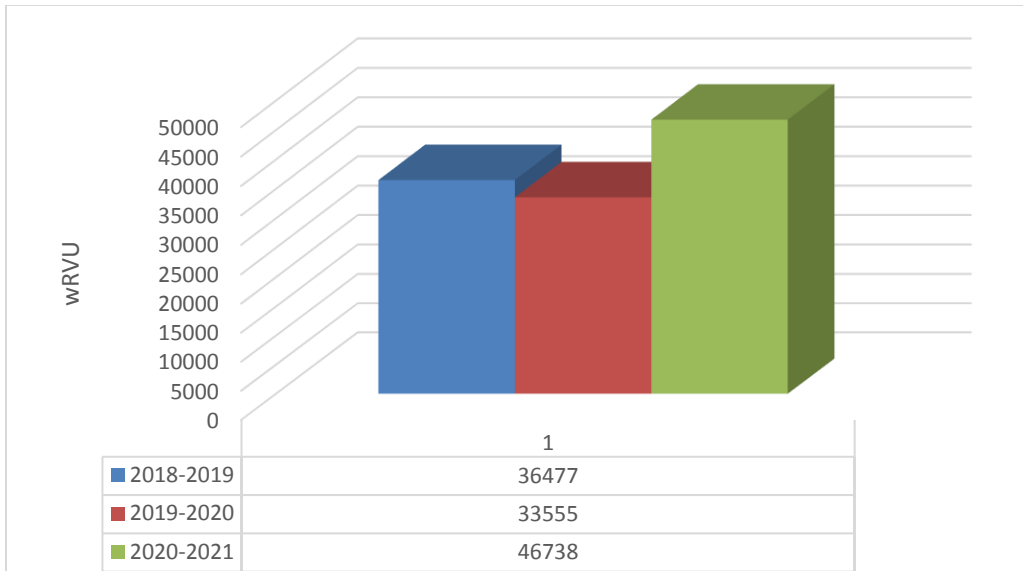
The following data includes both clinical divisions in the department. The department has two offices, one office located on the campus of Miami Valley Hospital in Dayton, and the second at Miami Valley Hospital South in Centerville. A few of our providers see patients at other offices in WSP, mainly the Sugar Camp Office in Oakwood as well as the WSP Health Center in Fairborn (adjacent to the WSU Dayton Campus). Additionally, a provider works out of the Soin Hospital Office Building in Beavercreek.

Inpatient Visits: We have new patient encounters both on the inpatient services the providers of the department run as well as through the outpatient office settings. During this reporting period, we had 3013 new patients in the inpatient setting, with an additional 1474 as observation status or emergency room visits.

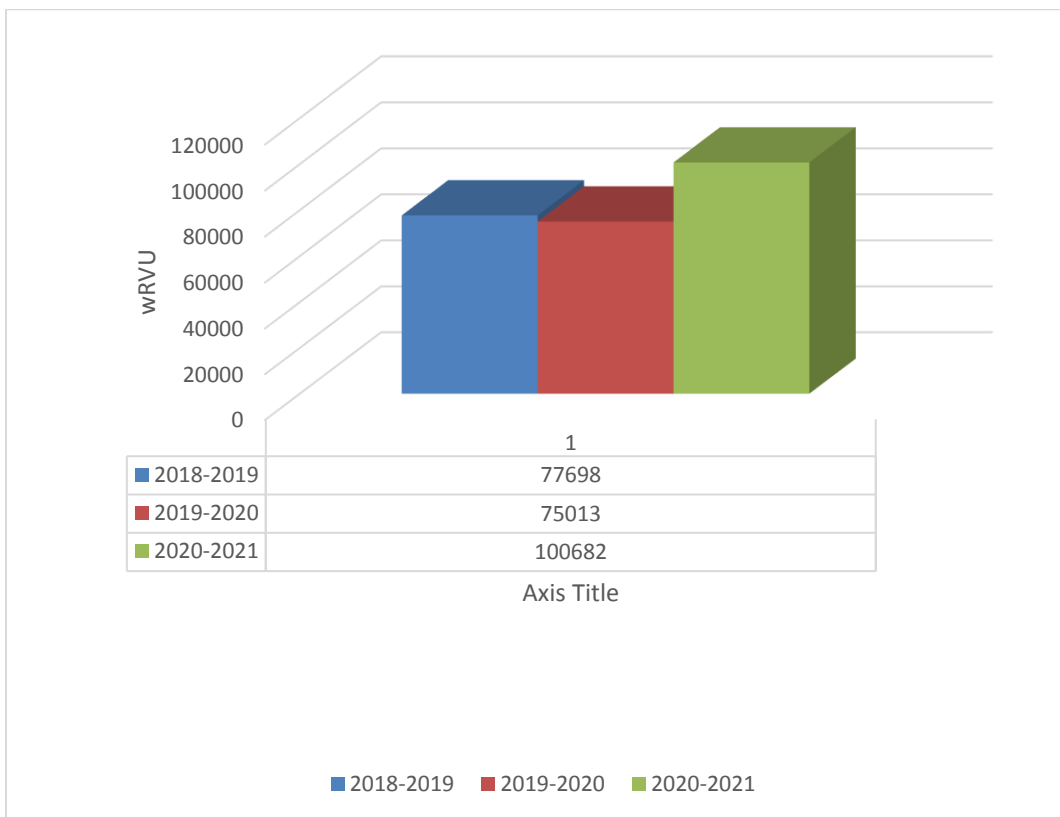
Office Visits: The following is our new patient visits in the various departmental practice offices over the past three reporting years.



As our new patient visits increased, so did our number of procedures. Looking at total procedures, and reporting out as wRVU (work relative value units), the past three years are reported below.



Total billable work in the department compared over the past three years.



As this data demonstrates, the various providers continued to remain busy over the past year. The department is situated to continue this path of increasing patient contacts over the upcoming year.

8 Honors and awards [Faculty or staff]

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

9 Hosted events [CME, etc.]

N/A

10 Other information

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