

Beaumont Research Institute Report of Accomplishments



2022

Beaumont
HEALTH

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For more than **55** years, researchers at Beaumont Research Institute and Corewell Health East (CHE; formerly Beaumont Health) have helped bring new technologies, new treatments, and new medications into the practice of medicine, and have helped to move the standard of care forward to improve the safety and quality of medical care for patients locally, nationally, and internationally. The greatest reward from these achievements is the realization that patients' lives are improved and enriched because of the outstanding research carried out by CHE physicians, scientists and staff.

Outstanding biomedical research is a major component of the excellent reputation of CHE as an academic health system. The Board of Directors at Beaumont made a commitment several decades ago to strengthen Beaumont as an academic institution through growth and support of graduate medical education, the hiring of physicians and scientists with a history of excellence in research and committed support of ongoing research activities in key programs. This commitment has helped forge the reputation of CHE as a leading academic health system, with recognition by U.S. News and World Report, a distinction which places CHE in the forefront of medicine in the U.S.

With CHE's role as the health care affiliate of the Oakland University William Beaumont School of Medicine, our research activities, undergraduate and graduate medical education, and other scholarly endeavors are even more important. Our senior leadership has reaffirmed their commitment to this ongoing academic mission. Strong undergraduate medical education requires faculty committed to research and a broad, excellent program of graduate medical education. The ACGME (Accreditation Council on Graduate Medical Education) continues its requirement for excellence in both faculty research achievement and resident/fellow scholarly training in order to maintain full accreditation for residency and fellowship programs. Similarly, the Level 1 Trauma Center status of Corewell Health William Beaumont University Hospital (formerly Beaumont Royal Oak) requires continued research productivity as measured in part by peer-reviewed publications in recognized journals by participating faculty. The LCME (Liaison Committee on Medical Education), the accrediting organization for medical schools in the U.S. and Canada, requires the presence of biomedical research activities that can provide basic, translational and population health research opportunities for medical students. The OUWB medical school provides further impetus to enhance biomedical research at both CHE and Oakland University, to integrate research activities between the two institutions, and to initiate new programs, centers, and collaborative projects. CHE and Oakland University already have several areas of long-standing research collaboration with growth targeted in critical areas.

CHE research retains its commitment to translational research, investigating new treatments, pharmaceuticals, medical devices, and scientific approaches aimed at enhancing the excellence and safety of patient care. Our institution has a robust program of clinical research, with over 1,200 active clinical studies. CHE's clinical services are superb, providing the standard upon which new and innovative research is built. The volume of patients served at CHE facilities, combined with the excellence of clinical care, provides a striking opportunity to develop new treatments. Moving forward, CHE and OUWB will build upon existing research strengths in nationally recognized clinical and translational programs, including Cardiovascular Medicine, Oncology, Radiation Oncology, Urology, Orthopaedics, OB/GYN, Ophthalmology, Emergency Medicine and many others, to establish a new emphasis in population/community health, health informatics, and learning health system initiatives that will focus on improving health and healthcare delivery for our patients and communities.

We are proud to present this Report of Research Accomplishments. It highlights the depth and breadth of CHE's academic excellence, including our affiliation with OUWB. We extend our congratulations and appreciation to the many investigators who have contributed to these extraordinary achievements and look forward to the future as our trainees enter careers in health care and academia.



Beaumont Research Institute 2022 Fact Sheet



Beaumont Health, serving southern Michigan and beyond, recognizes the inherent value of research as a major contributing factor to future improvements in health care delivery and the health of our local and global communities. The Beaumont Research Institute (BRI), established by the Board of Trustees in 1966, strengthens Beaumont's ability to conduct medical research and to provide research training for allied health and medical staff and students in undergraduate and graduate medical education programs. Beaumont Health is a major teaching facility, with 77 accredited residency and fellowship programs involving 794 residents and 109 fellows, and 131 research staff.

Funding

Research Institute actual operations \$28.1

External Sources of Research Funding

- Non-Federal sponsors 35 %
- Federal sponsors 35 %
- Philanthropic sponsors 15 %
- Intellectual Property 15 %

Types of Research at Beaumont Health

Percentage of expenses

- Clinical Research 67 %
- Pre-Clinical Research 33 %

External Research Funding by Service Line

- Radiation Oncology 16 %
- Urology 16 %
- Orthopaedics 13 %
- Infectious Diseases 12 %
- Cardiology 7 %
- Emergency 7 %
- Hematology/Oncology 6 %
- Other Service Line 14 %
- Intellectual Property 9 %

Clinical Research

- 1,423 clinical studies
- 373 interventional studies
- 1,050 non-interventional studies
- 404 active principal investigators
- 1307 registered research participants

Educational Opportunities for Research Staff

- 2-day orientation for new clinical research staff
- Animal use training
- Online CITI human subject's protection training
- Online guidance/modules on initiating research
- Seminar series and workshops

Support Staff Available

- Accounting / Contracting / Administrative
- Biostatistics / Informatics
- Commercialization Center
- Compliance Office
- Grant Development
- Human Resources
- Institutional Animal Care and Use Committee
- Institutional Biosafety Committee
- Institutional Review Board
- Outcomes Research Group
- Research Data Management and Computing
- Research Education and Process Improvement

Support for the Research Institute

- AAALAC accredited animal facility
- AAHRPP accredited human research protection program
- BioBank / Erb Family Core Molecular Lab
- Flash CT scanner
- Fully equipped bench laboratories
- National Cancer Institute Cooperative Group Trials Site
- Partnership with OUWB School of Medicine
- Proton Beam
- PET-CT and Biotracer

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ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Peer-Reviewed Publications:

Chauhan G, Upadhyay A, **Khanduja S**, Emerick T. Stellate ganglion block for anosmia and dysgeusia due to long COVID. *Cureus*. 2022 Aug 8;14(8):e27779. doi:10.7759/cureus.27779. PMID:36106285.

Haddad M, Sharma S. *Physiology, lung*. 2022 Jul 18. Treasure Island, FL. StatPearls Publishing, PMID:31424761.

Meier KM, Zheng A, Rollins ZH, Asantey KA, Shah MD, **Banooni AB**, et al. Elimination of post-operative narcotics in infant robotic pyeloplasty using caudal anesthesia and a non-narcotic pain pathway. *J Endourol* 2022 Nov;36(11):1431-1435. doi:10.1089/end.2022.0263. PMID:35850585.

Reilly E. Political awareness for anesthesiology residents, and why being a leader matters. *ASA Monitor*. 2022 Jul;86(7):37. doi:10.1097/01.ASM.0000842092.24949.38.

Reilly E. What could you accomplish as an ASA resident officer? *ASA Monitor*. 2022 Jul;86(7):39. doi:10.1097/01.ASM.0000842100.74856.76.

Published Abstracts:

Easton RW, Lipphardt M, Papakonstantinou NS, **Silvasi D**, Smith G, *Chen NW, et al. ERAS protocol associated with improved measurable outcomes in patients undergoing lumbar spinal fusion. *Spine J*. 2022 Sep;22(9 Suppl):S158. doi:10.1016/j.spinee.2022.07.023.

Invited Presentations:

Ahmed R, Lau S, Koltun K. Management of retained lumbar epidural catheter tip after labor epidural. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Ahmed R, Lau S, Vahabzadeh C. Anesthetic considerations in a laboring parturient with Arnold-Chiari type 1 malformation. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Aiello A, Constantinescu S, Schuldt A. Accidental drilling of the femoral artery. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Aiello A, Ojeda J, Kado J, Zhang J. Refractory hyperkalemia during simultaneous liver and kidney transplantation. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Al-Attar N, Asbahi M. Awake deep brain stimulator cases: A fine line between adequate sedation and airway emergency. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Al-Attar N, Navas Blanco JN. Management of severe vasoplegia following redo aortic root and arch reconstruction. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Asantey K, Meier K, Rollins Z, **Banooni AB**, Liss Z. Elimination of postoperative narcotics in infant robotic pyeloplasty using caudal anesthesia and a non-narcotic pain pathway. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Asbahi M. Airway management for the trauma patient. Lecture presentation: 23rd Annual Contemporary Issues in Trauma Nursing, Troy, MI, 2022 Oct 7.

Aslani K. Common perioperative pediatric anesthetic complications. 2022 Perioperative Nursing Conference. 2022 Sep 24. Virtual.

Balce M, **Cruz A, Kouatli Y, Soto R,** Every breath counts: The roles of emergency tracheostomy versus cricothyroidotomy. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Bolz E, Kouatli Y, Niederhauser A. Laryngospasm in a patient with penetrating neck and jaw trauma. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Bolz E, Kouatli Y, Patel P. Pituitary mass presenting as rapid onset hyponatremia. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Bolz E, Soto R, Donatelli D. Emergent aortic root replacement in a patient with Marfan's syndrome. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Brockberg M, **Niederhauser A, Soto R.** The importance of early recognition and treatment of myxedema coma. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Bukhsh O, **Cruz A, Soto R.** Medical management of a patient needing a diagnosis of exclusion. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Bukhsh O, **Cruz A, Soto R.** Alternative regimens of anesthesia for mothers needing C-sections. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Carney C, **Constantinescu S, Soto R,** Fowler J. Airway assessment and protection in the morbidly obese patient. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Carney C, **Constantinescu S, Soto R,** Fowler J. Management of acid base disturbances in the critically ill patient. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Carney C, Constantinescu S, **Soto R,** Fowler J. Perioperative management and risks with delayed hernia repair. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Carney C, **Constantinescu S, Soto R.** From chest pain to a &0x0: Understanding delirium in the perioperative period. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Carney C, **Constantinescu S, Soto R.** Perioperative complications associated with polysubstance abuse. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Clemans R. Controlled substance prescribing. 2022 Jun 1. Virtual.

Constantinescu S, Aiello A, Soto R. Acute dystonic reaction in the postoperative period. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Constantinescu S, **Aiello A, Soto R.** The power of ischemic preconditioning: A case of perioperative resurrection. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Constantinescu S, Haddad M, Soto R. In the dark: Anesthetic implications of using Gleolan for intracranial surgery. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Cruz A, Blanco JN. Stay frosty: Anesthetic implications of aortic arch injury during redo sternotomy. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Cruz A. Attempted non triggering anesthetic for minimally invasive mitral valve repair in a patient highly susceptible to malignant hyperthermia. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Dakhlallah N, Al-Attar N, Kadi B. Persistent left superior vena cava. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Dakhlallah N, Yousef J, Mahmoud S. Lymphangioma leading to airway compromise. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Davis H. Pacemakers and peri operative management. Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Apr 19, Beaumont Hospital, Royal Oak, MI.

Donatelli D, Bolz E, Soto R. Recognizing new anaphylaxis in patient with existing hemodynamic instability and encephalopathy. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Donatelli D, Niederhauser A, Soto R. Multidisciplinary approach to pain management in sickle cell pain crisis. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Easton RW, **Smith G,** Lipphardt M, **Silvasi D,** Papakonstantinou N, *Chen NW, et al. Eras vs non-eras: A hospital performance metrics comparison in patients undergoing spinal fusion. 2022 Annual Congress of Enhanced Recovery and Perioperative Medicine, 2022 May 11-13, Baltimore, MA.

Fardous R, **Soto R.** Impact of COVID-19 on medical students' residency choice. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Fardous R, Yousef J, **Soto R.** Anesthetic management in children with laryngomalacia. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.
<https://www.abstractsonline.com/pp8/#!/10552/presentation/7214>.

Fardous R, Yousef J, **Soto R.** Masters S. ECMO consideration in covid-19 patients. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Fardous R, Yousef J, **Soto R.** Early intubation in burn patients with inhalation injuries. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Fardous R, Yousef J, **Soto R.** Management of sick sinus syndrome and complications with general anesthesia. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Fowler J, Patel P, **Navas Blanco JN.** Emergent trans-catheter aortic valve replacement with Impella for acute onset heart failure due to aortic stenosis. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Fowler J, Patel P, **Navas Blanco JN.** Post-cardiotomy cardiogenic shock with bi-ventricular failure requiring right and left Impella placement. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Friedman BJ, Karabon P, **Lau WC.** Intraoperative MAP, vasopressors, and opioids in TF-TAVR patients undergoing conscious sedation vs general anesthesia. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Ghandour M, Wang K, Alhabbal A, Aggarwal N, **Finazzo N,** Jameel O. Importance of patient medical education: Cardiac tamponade secondary to medication non-compliance. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Haddad M, Cruz A, Kantola A, **Navas J**. Residual left atrial mass after myxoma removal: Should we go back on pump? American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Haddad M, Reilly E, Hamadi H, Kado J. Takotsubo cardiomyopathy following simultaneous liver kidney transplant. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Jones J, Al-Attar N, Navas Blanco JN. Acute papillary muscle rupture leading to heart failure in the setting of acute coronary syndrome. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Jones J, Al-Attar N, Navas Blanco JN. Anesthetic management of non-cardiac surgery in a patient with Fontan physiology. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Jones J, Al-Attar N, Soto R. Nitrous oxide induced subacute combined degeneration. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Jones J, Markatos S, Soto R. Approach to the anatomically difficult airway in adults. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.
<https://www.abstractsonline.com/pp8/#!/10552/presentation/7337>.

Koujane R, Dakhlallah N, **Mahmoud S**, Treatment of ascending aortic dissection under deep hypothermic circulatory arrest. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Koujane R, **Soto R**. Going under, eyes wide open. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Lau S, Ahmed R, Soto R. Anesthetic considerations during unanticipated 'depot' dose of rocuronium due to intravenous line infiltration. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Lau S, Ahmed R, Soto R. The nuances in airway management during tracheal stenosis dilation, when difficult airway algorithms no longer suffice. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Lee A, Constantinescu S, **Soto R**. Pulse oximetry inference from Medtronic Stealth system. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Lee A, **Constantinescu S, Soto R**. Recognition and treatment of hypoxia secondary to venous air embolism. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Lee A, **Nowatzke R, Chokr M, Soto R**. TPA-induced angioedema and airway management. International Anesthesia Research Society (IARS) Association of University Anesthesiologists (AUA) and Society of Critical Care Anesthesiologists (SOCCA) Annual Meeting, 2022 Mar 17-21. Virtual.

Markatos S, Cruz A, **Haddad A**. A rare congenital cardiac defect in an adult: Anesthetic considerations for repair. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Markatos S, Cruz A, **Soto R**. Challenges encountered and risks taken by the pregnant anesthesia resident. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Markatos S, Garcia C. It can happen to anyone: Negative-pressure pulmonary edema from laryngospasm in an infant. Society for Pediatric Anesthesia (SPA)/American Academy of Pediatrics (AAP) Pediatric Anesthesiology Annual Meeting, 2022 Apr 1-3, Tampa, FL.

Niederhauser A, Donatelli D, Soto R. Management of hemodynamic collapse in the setting of right atrial thrombus. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Patel P, **Fowler J, Soto R.** Common complications of median sternotomy. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Patel P, **Fowler J, Soto R.** Unusual presentation of HELLP syndrome. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Patel P, **Niederhauser A, Soto R.** Differential diagnosis of orthopnea and pleural effusions. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Patel P, **Zhang J, Soto R,** Differential diagnoses of perioperative bleeding in a high-risk patient undergoing radical nephrectomy with IvC thrombectomy. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

<https://www.abstractsonline.com/pp8/#!/10552/presentation/7245>.

Patel P, Zhang J, **Soto R.** The transition of sedative mediations from ICU to hospice in a septic patient with acute perforated diverticulitis. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Pham L, **Fowler J, Soto R.** Management strategy for spinal epidural abscess following lumbar epidural steroid injections. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Pham L, **Fowler J, Soto R.** Urgent dialysis indication for patients with septic shock, ischemic colitis and chronic kidney disease undergoing Hartmann's procedure. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Pham L, **Markatos S,** Novotny N, **Soto R.** Risk of massive hemorrhage in pediatric patients with pheochromocytoma. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Reilly E, Navas J. Pump it up: Ventricular failure post aortic root reconstruction requiring combined VA-ECMO and Impella support. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Reilly E, Neville S, Vrtar A. Comfortably numb: Local anesthetic resistance in a scheduled caesarian section. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Reilly E. Interval efforts to reduce urinary retention in spine surgeries. Michigan Society of Anesthesiologists Annual Meeting, 2022 Sep 9-11, Grand Rapids, MI.

Schuldt A. Point of care ultrasound in the ICU. Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Apr 12, Beaumont Hospital, Royal Oak, MI.

Shakibai N, Clemans R. Intussusception- a rare cause of non-specific chronic pain: A case report. American Society for Regional Anesthesia (ASRA) Annual Pain Conference, 2022 Nov 17-19, Orlando, FL.

Smith G, Easton RW, Shah KB, **Silvasi D,** Lipphardt M, George J, et al. What is the incidence of QT prolongation and life-threatening arrhythmia following IV methadone administration in patients undergoing lumbar fusion? 2022 Annual Congress of Enhanced Recovery and Perioperative Medicine, 2022 May 11-13, Baltimore, MA.

Soto R. Diabetes – implications in the perioperative period. 2022 Perioperative Nursing Conference, 2022 Sep 24. Virtual.

Soto R. Implicit bias training for the anesthesiologist and nurse anesthetist. Beaumont Health Teams Virtual Meeting, 2022 Aug 22. Virtual.

Soto R. Preparing for the APPLIED exam: The Orals and OSCE. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Venkatesh N, **Lau S, Asbahi M.** Anesthetic considerations in managing emergent uterine rupture and the warning signs to look for. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Venkatesh N, **Lau S, Clemans R.** Using spinal cord stimulators to manage central post-stroke pain syndrome, when multimodal therapies fail. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Vrtar A, **Haddad M, Soto R.** ICU Management of COVID-19 vaccine-related myelin oligodendrocyte glycoprotein IgG-association encephalomyelitis. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Wang K, Aggarwal N, Ghandour MH, **Finazzo N,** Berghea R. Carotid artery dissection: A curious case of embolic stroke with failure of direct oral anticoagulants. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Yousef J, **Soto R.** Vocal cord paralysis after two-stage posterior and anterior cervical neck discectomy and fusion. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Yousef J. Importance of laryngeal mask airways in the difficult airway algorithm. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Yousef J. Signs and symptoms high neuraxial block in obstetric patients. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Zhang J, **Aiello A, Navas J.** Cardiac tamponade and hemorrhagic stroke after left atrial appendage closure. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Zhang J, **Dakhlallah N, Daklallah Y, Aslani K.** Anesthetic management of pheochromocytoma in a pediatric patient. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Zhang J, **Markatos S, Kado J, Soto R.** Awake intubation with fiberoptic bronchoscope vs videolaryngoscopy for difficult airway management. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Zuback A, **Haddad M, Soto R.** "When it rains, it pours" – hemodynamic management of concurrent uterine rupture and placenta accreta. American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Zuback A, **Haddad M, Soto R.** Nuss procedure – how can we control the pain? American Society of Anesthesiology Annual Meeting, 2022 Oct 21-25, New Orleans, LA.

Non-Peer Reviewed Publications:

Reilly E. Why anesthesiology residents can't afford to ignore "politics". ASA Community Blog. 2022 Apr 8.

Multimedia:

Reilly E, Bolz E, Markatos S, Zhang J. Episode 46: Patient safety. Residents in a Room Podcast Series. 2022 Jul.

BIOBANK

Peer-Reviewed Publications:

Gulli F, Geddes TJ, **Pruetz BL**, **Wilson GD**. Investigation of the physiological response of radiation-induced cystitis patients using hyperbaric oxygen. Clin Transl Radiat Oncol. 2022 Oct 28;38:104-110. doi:10.1016/j.ctro.2022.10.009. PMID:36407487.

Verhaegen F, Butterworth KT, Chalmers AJ, Coppes RP, de Ruyscher D, Dobiach S, et al, **[Wilson GD]**. Roadmap for precision preclinical x-ray radiation studies. Phys Med Biol. 2022 Dec 30. doi:10.1088/1361-6560/acaf45. PMID:36584393.

Invited Presentations:

Baker KH, **Pruetz BL**, Arden JD, Quinn TJ, Wilson GD. The prognostic significance of glucose-6-phosphate dehydrogenase as a biomarker in head and neck squamous cell carcinomas treated with conventional chemoradiation. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Chesla D, **Pruetz BL**. Spectrum Health & Beaumont Health Accelerator of Research Excellence. 2022 BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Siegwald E, Chesla D, **Pruetz BL**. Biobanking at Spectrum Health & Beaumont Health. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

CARDIOVASCULAR MEDICINE

Peer-Reviewed Publications:

Abbas AE. From killip to forrester to echocardiography: Beyond myocardial infarction. *J Am Soc Echocardiogr.* 2022 Apr;35(4):443-444. doi:10.1016/j.echo.2021.11.015. PMID:34875313.

Abbas AE. Significant vs severe aortic stenosis: The rule of 4. *JACC Cardiovasc Interv.* 2022 Nov 28;15(22):2345-2347. doi:10.1016/j.jcin.2022.09.016. PMID:36423981.

Abdelazeem B, Abuelazm MT, Swed S, Gamal M, Atef M, Al-Zeftawy MA, et al, **[Lutz A]**. The efficacy of nitroglycerin to prevent radial artery spasm and occlusion during and after transradial catheterization: A systematic review and meta-analysis of randomized controlled trials. *Clin Cardiol.* 2022 Dec;45(12):1171-1183. doi:10.1002/clc.23906. PMID:36335609.

Aggarwal D, **Bhatia K**, Chunawala ZS, Furtado RHM, Mukherjee D, **Dixon SR**, et al. P2Y12 inhibitor versus aspirin monotherapy for secondary prevention of cardiovascular events: Meta-analysis of randomized trials. *Eur Heart J Open.* 2022 Mar 21;2(2):oeac019. doi:10.1093/ehjopen/oeac019. PMID:35919116.

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Book or Chapter:

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Published Abstract:

Alhusain R, Awadelkarim A, Bishop P, Chalek A, Dandu C, Zghouzi M, et al, **[Gardi DO]**. Complications and failure modes of the Perclose vascular closure device: Insights from MAUDE database. *J Soc Cardiovasc Angiogr Interv*. 2022 May-Jun;1(3 Suppl):100255. doi:10.1016/j.jscai.2022.100255.

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Dexter DJ, **Kado H**, Schor J, Annambhotla S, Olivieri B, Mojibian H, et al. Interim outcomes of mechanical thrombectomy for deep vein thrombosis from the All-Corner CLOUT Registry. 35th Annual Eastern Vascular Symposium of 22nd Annual New Cardiovascular Horizons, New Orleans, LA, 2021 Jun 1-4, and the Eastern Vascular Society, Charleston, SC, 2021 Sep 23-23. *Eur J Vasc Endovasc Surg*. 2022 Jul;64(1):e10. doi:10.1016/j.ejvs.2022.07.026.

Donisan T, Balanescu DV, Mertens A, **Allen O, Willner S, Mando R**, et al, **[Safian RD]**. Real-world trends in the use of coronary computed tomography angiography for stable coronary artery disease. *J Soc Cardiovasc Angiogr Interv*. 2022 May-Jun;1(3 Suppl):100209. doi:10.1016/j.jscai.2022.100209.

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Gudiati S, Hanson ID. Atrial septostomy used to treat acute right heart failure in COVID-19 patient on ECMO. *J Am Coll Cardiol*. 2022 Mar8;79(9 Suppl):2358.

Iannaccone M, Franchin L, **Hanson ID**, Boccuzzi G, Basir MB, Truesdell AG, et al. Door to Impella placement in acute coronary syndrome complicated by cardiogenic shock: An updated meta-analysis. *J Soc Cardiovasc Angiogr Interv*. 2022 May-Jun;1(3 Suppl):100115. doi:10.1016/j.jscai.2022.100115.

Li S, Nowlen M, Batino R, Owen R, **Timmis S**. Bi-atrial thrombus in association with pacemaker lead thrombus. *J Am Coll Cardiol*. 2022 Mar 8;79(9 Suppl):2799.

Madanat L, **Schott JP**, Mando R, **Hanson ID, Renard BM, Fazzalari F**, et al, **[Abbas AE]**. Is discordance between echocardiography and invasive transaortic valve mean gradients related to

pressure recovery? J Am Coll Cardiol. 2022 Sep 20;80(12 Suppl):B147-B148. doi:10.1016/j.jacc.2022.08.430.

Madanat L, Seeley E, **Shah KB, Haines DE, Mehta NK**. Effect of amiodarone use in patients with pre-existing cardiac implantable electronic devices undergoing transcatheter aortic valve replacement. J Am Coll Cardiol. 2022 Mar 8;79(9 Suppl):208.

Madanat L, Seeley E, **Shah KB, Hanes DE, Mehta NK**. Changes in baseline EKG and cardiac implantable electronic device parameters following transcatheter aortic valve replacement. J Am Coll Cardiol. 2022 Mar 8;79(9 Suppl): 224.

Madanat L, **Shah KB, Seeley E, Haines DE, Mehta NK**. The impact of device type and valve type on mortality in patients with pre-existing cardiac implantable electronic device undergoing transcatheter aortic valve replacement. J Am Coll Cardiol. 2022 Mar 8;79(9 Suppl):923.

Mando R, **Abbas AE, Allen O, Renard BM, Gallagher MJ, Shannon FL**, et al, **[Vivacqua A, Hanson ID]**. The relationship of aortic valve calcium score and glomerular filtration rate in patients with severe aortic stenosis and chronic kidney disease. J Am Coll Cardiol. 2022 Mar 8;79(9 Suppl):690.

Mando R, Madanat L, Almany SL, Hanson ID, Gallagher MJ, Shannon FL, et al, **[Renard BM, Hanzel GS, Vivacqua A, Abbas AE]**. Multimodality assessment of low flow low gradient aortic stenosis with low ejection fraction. J Am Coll Cardiol. 2022 Mar 8;79(9 Suppl):739.

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Roth R, Stafford P, **Mehta NK**, Bilchick K, Davis E, Bonner H, et al. Accuracy of WatchPat portable sleep monitoring and sleep assessment in patients with atrial fibrillation. Sleep. 2022 Jun, 45(Suppl 1):A315. <https://doi.org/10.1093/sleep/zsac079.716>.

Shah KB, **Williamson BD, Kutinsky IB**, Bhardwaj R, Contractor T, Mandapati R, et al. Conduction system pacing in patients with prosthetic heart valves. J Am Coll Cardiol. 2022 Mar 8;79(9Suppl): 67.

Sherman A, **Tawney AM, Mehta NK**. Flecainide and propafenone safety in patients with non-ischemic cardiomyopathy. J Am Coll Cardiol. 2022 Mar 8;79(9 Suppl):128.

Vira A, Mehta NK, Safian RD. Spontaneous ST elevation caused by coronary vasospasm: Exercise testing and ambulatory ECG. J Am Coll Cardiol. 2022 Mar 8;79(9 Suppl):2958.

Whitler C, McClellan B, Patel H, Rajpurohit D, Kalaba F, **Kado H**, et al, **[Kondur A]**. Improved left atrial appendage occlusion procedural efficiency using radiofrequency transeptal wire system. J Soc Cardiovasc Angiogr Interv. 2022 May-Jun;1(3 Suppl):100254. doi:10.1016/j.jscai.2022.100254.

Invited Presentations:

Abbas AE. Advances in the management of aortic stenosis. Practical Update in Cardiology, Troy, MI, 2022 Sep 24.

Abbas AE. Moderate AS with LV dysfunction: Who needs AVR? 30th Annual Cardiovascular Conference. 2022 Feb 5, Beaver Creek, CO.

Abbas AE. TAVR: The next 5 years. 11th Annual Advances in Cardiovascular Imaging and Interventions. 2022 Oct 6, Troy, MI.

Abbas AE. Transcatheter heart valve replacements: 20 years later. Cardiology Grand Rounds Lecture Presentation, 2022 Jun 13. Virtual.

Balinski A, Karabon P, Pathangey G, **Abbas AE.** Transcatheter aortic valve replacement: Volume impact on length of stay and readmissions. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Berman A. Optimizing management of chronic heart failure. Practical Update in Cardiology, Troy, MI, 2022 Sep 24.

Bilolikar A. TEE and endocarditis. 11th Annual Advances in Cardiovascular Imaging and Interventions. 2022 Oct 6, Troy, MI.

Bloomingtondale RJ. Intra-cardiac echocardiography versus TEE for structural procedures. 11th Annual Advances in Cardiovascular Imaging and Interventions. 2022 Oct 6, Troy, MI.

Bowers T. Beaumont Health PERT: Path to primary reperfusion. Medical Grand Rounds Lecture Presentation, 2022 Jan 12, Beaumont Hospital, Royal Oak, MI.

Bowers T. Update on acute pulmonary embolism care. Practical Update in Cardiology, 2022 Sep 24, Troy, MI.

Cami E. Chest pain evaluation after the 2021 guidelines. Medical Grand Rounds Lecture Presentation, 2022 Aug. 31, Beaumont Royal Oak, MI.

Chinnaiyan KM. Imaging for coronary atherosclerosis. Practical Update in Cardiology, Troy, MI, 2022 Sep 24.

Corrado-Kittel A, DeAngelis D, Glover K, **Hazergian G.** Apical hypertrophic cardiomyopathy: A rare variant of hypertrophic cardiomyopathies. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Dass C. New advances in heart failure. Outpatient Family Medicine and Internal Medicine Department Meeting. 2022 Nov 8. Troy, MI.

Dass C. Resistant hypertension. Practical and Progressive Updates in Primary Care Medicine, 2022 Apr 6. Virtual.

Devlin W. Medical futility and nonbeneficial care. Medical Services Update Conference. Beaumont Troy, Troy, MI. 2022 Mar 22.

Dixon SR. Novel strategies to minimize radiation exposure in the cath lab. 30th Annual Cardiovascular Conference at Beaver Creek, 2022 Feb 5, Beaver Creek, CO.

El Sayed F, **Dixon SR, Pow T.** Uncovering cardiac amyloidosis by non-invasive means. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Forst D. Not your usual cardiomyopathies: Navigating the path with multimodality imaging. 2022 Sept 20. Virtual.

Franklin BA. GPS for success: Skills, strategies and secrets of superachievers. 24th Annual Beaumont Health Medical Staff Symposium, 2022 Jun 16-18, Boyne Falls, MI.

Gallagher MJ. Cardiac CTA and CT-FFR in acute chest pain and chronic CAD. 30th Annual Cardiovascular Conference at Beaver Creek, 2022 Feb 5, Beaver Creek, CO.

Gallagher MJ. Cardiac MRI: For the assessment of right heart. 11th Annual Advances in Cardiovascular Imaging and Interventions. 2022 Oct 6, Troy, MI.

Goldberg S. Four decades of coronary intervention: A personal journal. Cardiology Grand Rounds Lecture Presentation, 2022 Jul 11, Beaumont Hospital, Royal Oak, MI. Virtual.

Goldstein JA. Update on pericarditis. Practical Update in Cardiology, Troy, MI, 2022, Sep 24.

Gulati M. Chest pain guidelines. Cardiology Grand Rounds Lecture Presentation, 2022 May 9, Beaumont Hospital, Royal Oak, MI. Virtual.

Gunther W. Going palliative and end of life care. Medical Grand Rounds Lecture Presentation, 2022 Mar 23, Beaumont Hospital, Royal Oak, MI.

Habba F, **Hoban M, Searing S.** Cannabis and acute coronary syndrome: A case report exploring potential links. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Haines DE. Advances in atrial fibrillation. Practical Update in Cardiology, Troy, MI, 2022 Sep 24.

Haines DE. Controversies in AF ablation, screening for AF in asymptomatic people. 30th Annual Cardiovascular Conference at Beaver Creek, 2022 Feb 5, Beaver Creek, CO.

Hanson ID, Cardiac electro surgery: BASILICA/LAMPOON. 11th Annual Advances in Cardiovascular Imaging and Interventions. 2022 Oct 6, Troy, MI.

Hanson ID. Overview of circulatory support devices. Practical Update in Cardiology, Troy, MI, 2022 Sep 24.

Hanson ID. Trans-catheter edge to edge - mitral valve repair - what's new in '22. Cardiology Grand Rounds Lecture Presentation, 2022 Jan10, Beaumont Hospital, Royal Oak, MI. Virtual.

Hanson ID. Trans-catheter management of mitral regurgitation. Medical Grand Rounds Lecture Presentation, 2022 Apr 6, Beaumont Hospital, Royal Oak, MI.

Hanson ID. Updates on mitral valve therapy. 30th Annual Cardiovascular Conference at Beaver Creek, 2022 Feb 5, Beaver Creek, CO.

Hillier O, Zeb A, **Marcovitz P.** Does aspirin reduce risk for future cardiovascular events in women with diabetes? Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Hoban M, Searing S. A case of isolated pulmonic valve candida endocarditis. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Jiddou-Patros M. Gender differences in PCI. 11th Annual Advances in Cardiovascular Imaging and Interventions. 2022 Oct 6, Troy, MI.

Khemraj R, Solano C, Patel N, **Sacks R.** Cardiorespiratory, hemodynamic, and perceived exertion responses to seated chair exercise. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Lutz A. Practical updates in cardiology. Family Medicine CME Series, 2022 Dec 13, Farmington Hills, MI.

Mehta NK. Beaumont cardiology research. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Mehta NK. LAAO or NOAC for atrial fibrillation. 11th Annual Advances in Cardiovascular Imaging and Interventions. 2022 Oct 6, Troy, MI.

Mzaik O, **Maraskine M**, Ahmad E, Patel F, Billups T. Right coronary artery aneurysm causing significant compression of the right ventricular outflow tract. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Renard BM. Percutaneous tricuspid therapies: Repairs and replacements. 11th Annual Advances in Cardiovascular Imaging and Interventions, 2022 Oct 6, Troy, MI.

Riba A. Performance practice data. Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Mar 15, Beaumont Hospital, Royal Oak, MI. Virtual.

Rollins R, **Schott JP**, **Safian RD**. Late outcomes for patients with acute chest pain and positive fractional flow reserve by computed tomography. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Safian RD. Invasive versus non-invasive FFR. 11th Annual Advances in Cardiovascular Imaging and Interventions, 2022 Oct 6, Troy, MI.

Safian RD. Renal denervation for hypertension: Is it going to be enough? The 30th Annual Cardiovascular Conference at Beaver Creek, 2022 Feb 5, Beaver Creek, CO.

Sayed L. Interventional treatment of thromboembolism. Medical Services Update Conference. Beaumont Troy, 2022 May 24, Troy, MI.

Sherman A, Madanat L, **Pow T**, **Gulati A**. Primary carnitine deficiency induced ventricular fibrillation. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Smith G, Easton RW, **Shah KB**, Silvasi D, Lipphardt M, George J, et al, [***Dai S**, **Williamson B**]. What is the incidence of QT prolongation and life-threatening arrhythmia following IV methadone administration in patients undergoing lumbar fusion? 2022 Annual Congress of Enhanced Recovery and Perioperative Medicine, 2022 May 11-13, Baltimore, MA.

Tawney AM. Severe dyspnea and pulmonary hypertension: Look deep. 30th Annual Cardiovascular Conference at Beaver Creek, 2022 Feb 5, Beaver Creek, CO.

Tim D. A not so friendly burr! The 30th Annual Cardiovascular Conference at Beaver Creek, 2022 Feb 5, Beaver Creek, CO.

Trivax J. Clinical pearls when prescribing a NOAC. Practical Update in Cardiology 2022, Troy, MI, 2022 Sep 24.

Trivax J. Long-term cardiovascular consequences of COVID 19. 30th Annual Cardiovascular Conference at Beaver Creek, 2022 Feb 5, Beaver Creek, CO.

Tucciarone MT. New advances in cardiology. Nurse Professional Development Day 2022. Royal Oak, MI, 2022 Oct 5.

Vira A. Uh oh: Where did the left main go? The 30th Annual Cardiovascular Conference at Beaver Creek, 2022 Feb 5, Beaver Creek, CO.

Waheed M, **Mando R**, Michel A, Halalau A. Prediabetes as a risk factor for major adverse cardiovascular events. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Williamson B. Management of PVCs practical update in cardiology 2022, Troy, MI, 2022 Sep 24.

CLINICAL ETHICS

Peer-Reviewed Publications:

Brummett AL, Watson JC. An argument for standardized ethical directives for secular healthcare services. *J Clin Ethics*. 2022 Fall;33(3):175-188. PMID:36137199.

Brummett AL. The baffling babble of brain injury. *Health Commun*. 2022 Feb;37(2):255-257. doi:10.1080/10410236.2020.1832740. PMID:33019849.

Brummett AL. Burying the basilisk of bioethics: What can be resolved, dissolved, and refocused in the ethics expertise debate. *Bioethics*. 2022 May 16. doi:10.1111/bioe.13044. PMID:35575142.

Brummett AL. Defending secular clinical ethics expertise from an Engelhardt-inspired sense of theoretical crisis. *Theor Med Bioeth*. 2022 Feb;43(1):47-66. doi:10.1007/s11017-022-09566-3. PMID:35366754.

Brummett AL, Eberl JT. The many metaphysical commitments of secular clinical ethics: Expanding the argument for a moral-metaphysical proceduralism. *Bioethics*. 2022 Sep;36(7):783-793. doi:10.1111/bioe.13046. PMID:35527699.

Brummett AL, Watson JC. Responding to Fiester's critique of a bioethical consensus project. *J Clin Ethics*. 2022 Fall;33(3):198-201. PMID:36137201.

Hamilton N, Olumolade O, Aittama M, Samoray O, Khan MA, **Wasserman JA**, et al. Access barriers to healthcare for people living with disabilities. *J Public Health* 2022 May, 30(5):1069-1077.

Navin MC, Attwell K. Imperfect immunization communication on school district websites: A mixed-methods review. *J Sch Nurs*. 2022 Oct;38(5):459-466. doi:10.1177/1059840520970886. PMID:33153397.

Navin MC, **Brummett AL**, **Wasserman JA**. Three kinds of decision-making capacity for refusing medical interventions. *Am J Bioeth*. 2022 Nov;22(11):73-83. doi:10.1080/15265161.2021.1941423. PMID:34344267.

Navin MC, Oberleitner LMS, Lucia VC, Ozdych M, Afonso NM, Kennedy RH, et al. COVID-19 vaccine hesitancy among healthcare personnel who generally accept vaccines. *J Community Health*. 2022 Jun;47(3):519-529. doi:10.1007/s10900-022-01080-w. PMID:35277813.

Oberleitner LMS, Lucia VC, **Navin MC**, Ozdych M, Afonso NM, Kennedy RH, et al. COVID-19 vaccination concerns and reasons for acceptance among US health care personnel. *Public Health Rep*. 2022 Nov-Dec;137(6):1227-1234. doi:10.1177/00333549221120590. PMID:36073241.

Reis-Dennis S, **Brummett AL**. Are conscientious objectors morally obligated to refer? *J Med Ethics*. 2022 Aug;48(8):547-550. doi:10.1136/medethics-2020-107025. PMID:34233957.

Wasserman JA, **Navin MC**, Drzyzga V, Gibb TS. Practising what we preach: Clinical ethicists' professional perspectives and personal use of advance directives. *J Med Ethics*. 2022 Feb;48(2):144-149. doi:10.1136/medethics-2020-106760. PMID:33106382.

Book or Chapter:

Wasserman JA, Navins MC. Medicine, the Holocaust, and human dignity: Lessons from human rights. In: Gallin S, Bedzow I, editors. Bioethics and the Holocaust: A comprehensive study in how the Holocaust continues to shape the ethics of health, medicine and human rights. Cham: Springer, 2022. p.281-297.

Invited Presentations:

Barlow SJ, Afonso NM, **Wasserman JA.** Death exposure influence on medical students' attitudes toward end-of-life-care. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Connell R, **Wasserman JA.** Pre-medical student concerns regarding applying to medical school during COVID-19 pandemic. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Kus KJB, **Wasserman JA.** Emergency department recidivism due to skin lesions among the homeless population. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Susko A, **Wasserman JA.** The influence of BLM and the death of George Floyd on medical and pre-med students and their views on institutional racism. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

VanDusen H, **Wasserman JA.** The divergence of medical ethics and state laws regarding life sustaining treatment. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

COLON AND RECTAL SURGERY

Peer-Reviewed Publications:

Thomas GJ, Bauman JC, Bergeron S, **Wasvary HJ, Ziegler MA**. Perioperative lidocaine infusion reduces opioid use in enhanced recovery after surgery patients undergoing laparoscopic colectomy. *Am Surg*. 2022 Nov 1;31348221135785. doi:10.1177/00031348221135785. PMID:36318225.

Ziegler MA, Bauman JC, *Welsh RJ, **Wasvary HJ**. Can the American College of Surgeons National Surgical Quality Improvement Program risk calculator predict outcomes for urgent colectomies? *Am Surg*. 2022 Jan;88(1):65-69. doi:10.1177/0003134820973392. PMID:33345578.

Published Abstracts:

Menning A, Al-Hadidi A, Studzinski DM, Callahan RE, Mangla J, **Wasvary HJ**. Effect of preoperative narcotic use and enhanced recovery protocols on length of stay in patients undergoing elective laparoscopic colectomy: Analysis of the NSQIP dataset. *Dis Colon Rectum*. 2022 May 1;65(5): e383-e656. doi:10.1097/DCR.0000000000002459. PMID:35394944.

Menning A, Studzinski DM, Callahan RE, **Peeples C, Wasvary HJ, Ziegler M**. Adenoma detection rates: Does endoscopic volume or provider specialty matter more? *Dis Colon Rectum*. 2022 May 1;65(5):e383-e656. doi:10.1097/DCR.0000000000002459. PMID:35394944.

Invited Presentations:

Hart B, **Hain J**. Colonic stent presenting with stent impaction and erosion through the colonic wall. Southeastern Surgical Congress (SESC) 2022 Annual Meeting. 2022 Feb 5-8, Nashville, TN.

Hill A, Wasvary HJ, Ziegler M. Association between preoperative HbA1c and surgical site infection in colorectal surgery. Beaumont Health 50th Annual Residents and Fellows Research Forum, 2022 Apr 28, Royal Oak, MI.

Laskovy M, Menning A, **Wasvary HJ**, Callahan RE, Studzinski DM, **Ziegler M**. Does insufflation type effect adenoma detect rate? The Michigan Society of Colon and Rectal Surgeons Annual Meeting, 2022 Oct 20, Novi, MI.

Lozano A, **Hain J**. P117. Intestinal perforation in the setting of behcet's disease. Southeastern Surgical Congress (SESC), 2022 Feb 5-8, Nashville, TN.

Peeples C. Fecal incontinence: Evaluation and treatment options. MSU Statewide Campus System Grand Rounds Lecture Presentation, 2022 May 25, East Lansing, MI.

Peeples C. Updates in colon and rectal surgery. Michigan State Medical Society Annual Meeting. 2022 Oct 19-21, Southfield, MI.

Pemmaraju V, Ziegler M, Wasvary HJ, Shellnut J, Peeples C, Bauman JC, et al, **[Deshmukh G, Adewunmi A]**. Patient and surgical factors affecting nodal harvest in rectal cancer TME following TNT. Michigan Society of Colon and Rectal Surgeons Annual Meeting, 2022 Oct 20, Novi, MI.

Wasvary HJ. Lower gastrointestinal motility disorders. Oakland University William Beaumont School of Medicine. 2022 Sep 20, Rochester, MI.

DIAGNOSTIC RADIOLOGY AND MOLECULAR IMAGING

Peer-Reviewed Publications:

Fidler JL, Guglielmo FF, Brook OR, Strate LL, Bruining DH, Gupta A, et al, **[Sokhandon F]**. Management of gastrointestinal bleeding: Society of abdominal radiology (SAR) institutional survey. *Abdom Radiol (NY)*. 2022 Jan;47(1):2-12. doi:10.1007/s00261-021-03232-3. PMID:34554300.

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Invited Presentations:

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Abuelroos D. The ABC's of GPA: Thoracic manifestations of granulomatous with polyangiitis. *Society of Advanced Body Imaging (SABI) Annual Meeting*, 2022 Oct 22-26, New Orleans, LA.

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Dearden A, **Joshi R**, **Figacz A**, **Al-Katib S**. Using AutoHotKey scripts to perform voice-commanded calculations for dictated radiology reports. American Roentgen Ray Society (ARRS) Annual Meeting, 2022 May 1-5, New Orleans, LA.

Dhaliwal A, **Krishnan A**, **Wang AM**, **Silbergleit R**. Optic neuritis, perioptic neuritis, and mimicking pathologies. American Society of Head and Neck Radiology (ASHNR) Annual Meeting. 2022 Sep 7-11, Aurora, CO.

Dhaliwal A, **Sharma J**, **Noujaim S**. Benign and malignant cervical lymphadenopathy: A practical imaging approach to the diagnosis of common and uncommon conditions. ASNR22/SNR XXII Proceedings. 2022 May 16-18, New York, NY.

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Figacz A, Jamil LH, **Al-Katib S**. Imaging and clinical characteristics of a proposed variant of Mirizzi syndrome. Society of Abdominal Radiology (SAR) Annual Meeting, 2022 Feb 27 – Mar 4, Scottsdale, AZ.

Figacz A, Jankulov A, **Khan AM**, **Khan MA**. The sphenoid trigone: Aliases, anatomy, importance and pathology. American Society of Head and Neck Radiology (ASHNR) Annual Meeting. 2022 Sep 7-11, Aurora, CO.

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Joshi R, Abbas AE, Wilseck J. Vertebral artery pathology: A case-based review of diagnosis and angiographic intervention. American Society of Neuroradiology (ASNR) Annual Meeting, 2022 May 16-18, New York, NY

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Krishnan A. ASPNR programing: Interesting pediatric neuroradiology case session (SA-CME): Seizures. American Society of Neuroradiology (ASNR) Annual Meeting, 2022 May 14-18, New York City, NY.

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***Mezwa D.** Evolution of OUWB: Building a path to continued excellence. Medical Grand Rounds Lecture Presentation, 2022 May 18, Royal Oak, MI. Virtual.

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Ngo H, Nair GB, **Al-Katib S**. Impact of a structured reporting template on the quality of HRCT radiology reports for interstitial lung disease. Association of University Radiologists (AUR) Annual Meeting, 2022 Mar 22-25, Phoenix, AZ.

Noujaim S. MRI and CT cystic neck mass: A practical approach. Henry Ford Hospital, 2022 May 20, Detroit, MI.

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Suhrawardy A, **Al-Katib S**, Almsaddi T, Barremkala M, Fried S, **Moore D**. Imaging-based modules for musculoskeletal anatomy and pathology in preclinical education. Michigan Orthopaedic Society Annual Meeting, 2022 Jun 17-19, Mackinac Island, MI.

Suhrawardya A, Almsaddia T, Frieda S, **Al-Katib S, Moore D**, Barremkalaa M. Radiology and module-based learning to teach musculoskeletal anatomy and pathology to preclinical medical students. Michigan Orthopedic Society (MOS) Annual Meeting, 2022 Jun 17-19, Mackinaw Island, MI.

Walker D, **Nandalur K, Al-Katib S, Kolderman N**. Spectrum of cystic prostatic lesions: MRI imaging findings and updated review. Society of Abdominal Radiology (SAR) Annual Meeting, 2022 Feb 27 – Mar 4, Scottsdale, AZ.

Wilseck J, Kelsch R, Wilseck Z. Neurovascular emergencies: Imaging diagnosis and technical nuances. American Osteopathic College of Radiology (AOCR) Annual Convention, 2022 Apr 4-8, Tampa, FL

Wilseck J. Normal cervical and intracranial vascular anatomy. Neurosurgery Grand Rounds, M and M, and Staff Conference, 2022 Oct 18, Royal Oak, MI. Virtual.

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Book or Chapter:

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***Booher M, Berger DA, *Chen NW, Purekar M, Romero K, Todd BR.** Emergency medicine resident use of electronic differential diagnosis generator when evaluating critical patients. *Acad Emerg Med.* 2022 May, 29(S1):S171.

Cameron-Comasco L, *Keene SE, *Otero R, Balasundaram A. Assessing the ability of emergency providers to diagnose cognitive impairment in geriatric patients, *Acad Emerg Med.* 2022 May;29(S1):S188.

Cuadra K, Jandu S, **Todd BR, Joseph S, *Otero R.** Comparison of an alternative history taking technique vs. traditional history for three chief complaints. *Acad Emerg Med.* 2022 May, 29(S1):S124.

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Gosal J, Menoch MJA, Minnock W. Decreasing lab turnaround time of COVID-19 polymerase chain reaction swabs in the emergency department. *Acad Emerg Med.* 2022 May;29(S1):S307.

Hall D, **Todd BR, LaBlance S.** The current state of diagnostic error education in US Medical Schools. *Diagnosis.* 2022 May;9(2):eA83-eA84.

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***Keene SE, Cameron-Comasco L.** 308 A geriatric emergency medicine assessment team reduces hospital length of stay through faster discharge to subacute rehabilitation. *Ann Emerg Med.* 2022 Oct 1;80(4):S132.

Koujane R, Drogowski M, **Abou-Alaiwi A, Newson J, McNally V, *Chen NW, et al, [Berger DA, Turner-Lawrence DEG].** Discharging low-risk pulmonary embolism from an emergency room. *Circulation: Cardiovascular Quality and Outcomes.* 2022 May;15(Suppl_1):A256.

***Kuxhause J, Menoch MJA.** Broad strokes, dissections in young folks: Is early detection possible? *Acad Emerg Med* 2022 May;29(S1):S2293.

Miller J, House S, Michelson E, **Clark C, O'Neil B.** 20 Outcome study of mild traumatic brain Injury patients integrating a brain electrical activity-based decision rule. *Ann Emerg Med.* 2022 Oct 1;80(4):S10.

Muradian M, Pirkola M, **Ziadeh J**, **Bork S**. 14 The impact of a mixed fast-track and mid-acuity track area with a vertical component on emergency department throughput. *Ann Emerg Med*. 2022 Oct 1;80(4):S7.

***Sandoval S**, **Goyal A**, Gappy R, Crowe R, **Frawley J**, et al, [**Swor RA**]. Prehospital use of ketamine vs benzodiazepines for sedation among pediatric patients with behavioral emergencies. *Acad Emerg Med*. 2022 May;29(S1):S185.

***Sandoval S**, ***Keene SE**, **Berger DA**, Klausner H, ***Otero R**. Clinician accuracy in predicting sources of infection for septic patients in the emergency department. *Acad Emerg Med*. 2022 May;29(S1):S414.

Shaw L, **Menoch MJA**. Taking a bite out of Covid: Does increased lockdown dog ownership mean more dog bites? *Acad Emerg Med*. 2022 May;29(S1):S418.

Todd BR, **Nguyen A**, *Chen NW, Eberhardt L, **Bahl A**. 30-Day outcomes of hypertensive emergency department patients discharged with antihypertensive therapy. *Ann Emerg Med*. 2022 Oct 1;80(4):S18-9.

Versalle RL, **Todd BR**, *Chen NW, **Turner-Lawrence DE**. Early postgraduate year one milestone assessment can predict postgraduate year one performance. *Acad Emerg Med*. 2022 May;29(S1):S126.

Wiczorek MJ, ***Keene SE**, **Berger DA**, Knight S, Ziadeh K, Littmann H, et al, [**Swor RA**, ***Otero R**]. Outcomes of patients with heart failure and kidney disease who receive intravenous fluids for sepsis. *Acad Emerg Med*. 2022 May, 29(S1):S86.

Invited Presentations:

Abou-Alaiwi A. Bony upper extremity injuries. Beaumont Health Emergency Medicine Grand Rounds Lecture Presentation, 2022 Jan 6, Royal Oak, MI.

Adams B, **Swor RA**. NAEMSP National EMS medical director course and practicum. NAEMSP Annual Meeting 2022 Jan 10-12, San Diego, CA.

Bahl A. The new frontiers of peripheral vascular access. Oakland University William Beaumont School of Medicine Medical Education Week Research Day. 2022 May 19, Royal Oak, MI.

Bhuiyan N, Nierstedt R, Jankowski M, **Jones SC**, **Bastani A**. Differences within a health system: Imaging use for suspected pediatric appendicitis. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Cameron-Camasco L, Murany K, Lustig H. Caring for geriatric patients. 23rd Annual Contemporary Issues in Trauma Nursing, 2022 Oct 7, Beaumont Health, Royal Oak, MI.

Carline C, **Klein S**, **Cooley C**, **Zoller D**. A case report of a rare COVID-19 complication: A subdural empyema in a pediatric female. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Caskey B, **Jones SC**, Berry S, Harris H, **Donaldson D**, **Bastani A**. Evaluation of implementing 'team strategies and tools to enhance performance and patient safety' in a community emergency department. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Cuadra K, **Joseph S**. Journal club in the pre-clinical years during medical school. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Drogowski M, Koujana R, Abou-Alaiwi A, Berger DA, Turner-Lawrence DE. Should I stay or should I go: Discharging low-risk pulmonary emboli from the emergency department. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Eckenswiler T. Opiate use disorder and medication for opiate use disorder. Beaumont Health Medical Services Update Conference-Troy, 2022 Sep 27.

Fahey K, **Bastani A, Jones SC, Kilanowski-Doroh P.** Differences in small bowel obstruction outcomes in an academic vs community hospital. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Ford E, **Rocco V, Jones J,** Karabon P. A multimodal approach to reducing opioid administration in the emergency department. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Gosal J, Adams L. PEMPix 2022: Lumps and bumps, Crohn's disease in a pediatric patient. American Academy of Pediatrics National Conference and Exhibition, 2022 Oct 7-11, Anaheim CA.

Goyal A, Gappy R, Crowe R, **Frawley J,** *Chen NW, **Swor RA.** Prehospital use of ketamine in the pediatric population. National Association of EMS Physicians Conference, 2022 Jan, San Diego, CA.

Hall D, LaBlance S, **Todd BR.** The current state of diagnostic error education in U.S. medical schools. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Hope J. Wellness beyond yoga and chai tea. 24th Annual Beaumont Health Medical Staff Symposium, 2022 Jun 16-18, Boyne Falls, MI.

Hope J, Carr A. Human trafficking: Screening, assessment & resources. Beaumont Health Continuing Medical Education Enduring Webinar Series, 2022 Nov 17.

***Ismail A.** Ondansetron for reducing ketamine associated vomiting in children: A systematic review with meta-analysis. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI

Jandu S, Cuadra K, **Joseph S, Todd BR, Otero R.** Can a modified medical history performed (in a virtual setting) by medical students provide a more efficient and accurate history? Council of Residency Directors of Emergency Medicine 2022 Academic Assembly, Mar 27-30, 2022, San Diego, CA.

Johns P, Glines B, Vieder A. Pediatric COVID-19 leading to MIS-C. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Johns P, McDowell E. The dark side of diverticulitis. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

***Johnson SE, *Lakis DC, *Kuxhause J, Bahl A.** POCUS refresh-applying a modern pedagogy to emergency residency ultrasound education. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Klein S, Wallace A, Zelenka D, Nass J. Stroke teams: Can an emergency room team provide quicker door-to-needle times than a neurology team? 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Krishnaparasadh D, Samburg M, Fawaz L, Grant S, **Menoch MJA.** ConstiPatED: Evaluation in the pediatric ED-practice patterns and trends amongst provider types. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

***Kuxhause J, Menoch MJA.** Broad strokes, dissections in young folks: A case study. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

McParlane J. Professionalism: What is it, why is it important for faculty & residents, and how do you teach professionalism skills? Beaumont Health Internal Medicine Grand Rounds Lecture Presentation, 2022 Jan 12. Virtual.

McParlane J, Kowalkowski J. The "Hopeless" patient and the "helpless" doctor. Beaumont Health Symposium for Primary Care Medicine, 2022 Nov 4, Novi, MI.

Muradian M, Gupta M, *Johnson SE, Bahl A. Identifying gaps in ultrasound education and potential for a digital curriculum. Council of Residency Directors of Emergency Medicine Academic Assembly 2022, Mar 27-30, 2022, San Diego, CA.

Nelson L, **Todd BR.** The impact of medical scribes on emergency physician diagnostic testing and diagnosis charting. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Nierstedt R, Bhuiyan N, Jankowski M, DeSantis L, **Bastani A, Jones SC.** Imaging for suspected pediatric appendicitis: Can ultrasound alone be trusted? Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Paratore D. Diseases that mimic. American College of Osteopathic Emergency Physicians Spring Seminar, 2022 Apr 10-13, Fort Lauderdale, FL.

Patek PM, *Owda D, Menoch MJA. Anaphyl-crisis: Rising rates of pediatric anaphylaxis. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Prewitt NW, **Todd BR.** Risk factors affecting delayed diagnosis of adult acute appendicitis. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Shamoon Z. Doctoring the Muslim patient. 24th Annual Beaumont Health Medical Staff Symposium, 2022 Jun 16-18, Boyne Falls, MI.

Shamoon Z. Middle Eastern culture physician need to know. Beaumont Health OB/GYN Grand Rounds Lecture Presentation, 2022 Oct 4, Dearborn, MI.

Smark A. What's in your box? Dental trauma management. Michigan College of Emergency Physicians Midwest Winter Symposium, 2022 Jan 28, Boyne Falls, MI.

Smith J, Schell F. A case of stress induced electrical storm with recurrent ICD defibrillation. American College of Osteopathic Emergency Physicians Spring Seminar, 2022 Apr 10-13, Fort Lauderdale, FL.

Smith J, Schell F. Can't miss ECGs. American College of Osteopathic Emergency Physicians Spring Seminar, 2022 Apr 10-13, Fort Lauderdale, FL.

Smith J, Schell F. Lightning emergencies. American College of Osteopathic Emergency Physicians Spring Seminar, 2022 Apr 10-13, Fort Lauderdale, FL.

Sobin MF. 2022 National emergency medicine clinical pathological case (CPC) competition. Council of Residency Directors of Emergency Medicine 2022 Academic Assembly, Mar 27-30, 2022, San Diego, CA.

Sobin MF. Soft tissue and vascular extremity injuries. Beaumont Health Emergency Grand Rounds Lecture Presentation, 2022 Jan 27, Royal Oak, MI.

Song J, **Berger DA**, Paxton JH, Miller JB, Reynolds J, *Chen NW, et al, [**Swor RA**]. Cardiac arrest patient length of stay and survival in Michigan hospitals. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Todd BR. Maintaining momentum from start to finish: How to get projects published! Council of Residency Directors (CORD) in Emergency Medicine Academic Assembly, 2022, Mar 27-30, San Diego, CA.

Todd BR. Program development: Carrots and sticks: How to boost your program's ITE scores. Council of Residency Directors (CORD) in Emergency Medicine Academic Assembly, 2022, Mar 27-30, San Diego, CA.

Tram J, Pressman A, *Chen NW, **Berger DA**, Miller J, Welch R, et al, [**Swor RA**]. Ventricular assist device association in improving outcomes in patients resuscitated from out of hospital cardiac arrest. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Travers B, Beydoun A, Karabon P, **Jones SC**, Opsommer M, **Bastani A**, Donaldson D. Assessing geriatric patients in the emergency department using a new trauma protocol. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Vieder S. Weed and your patients: The cannabis phenomenon. 24th Annual Beaumont Health Medical Staff Symposium, 2022 Jun 16-18, Boyne Falls, MI.

Warpinski M. The art of a\$\$kissing: How to get your patients, partners and staff to love you. American College of Osteopathic Emergency Physicians Scientific Assembly, 2022 Oct 24-28, Las Vegas, NV.

Wesley K, Anderson J, Zelenka D. A case study of Lemeirre's Syndrome. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Wiczorek M, ***Otero R, Knight S**, Ziadeh K, Blumline J, Rollins Z. Outcomes for patients with congestive heart failure and chronic kidney disease receiving fluid resuscitation for severe sepsis or septic shock. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Non-Peer Reviewed Publications:

Beaudoin FL, Zhai W, Merchant RC, Clark MA, Kurz MC, Hendry P, et al, [**Swor RA**]. This article corrects: "persistent and widespread pain among blacks six weeks after mvc: Emergency department-based cohort study". West J Emerg Med. 2022 Mar 3;23(2):289. doi:10.5811/westjem.2022.2.56585. Erratum for: West J Emerg Med. 2020 Dec 16;22(2):139-147. PMID:35302467.

Chary A, **Cameron-Casco L**, Rohra A, Dresden S, Landry A, Liu SW. Geriatric EM: Ageism in the emergency department. SAEM Pulse Mar-Apr 2022, 37(2):30-34. https://issuu.com/saemonline/docs/saem_pulse_mar-apr_2022/s/15015688.

Doman GA, **Abou-Alaiwi A**, Kakish E. New-onset of atrial flutter after a blunt cardiac injury: Case report. Electronic Interdisciplinary Medical Journal (EIMJ). 2022. Online.

***Keene SE**. The ARMED course sets you up for the future: Academy News Academy of Geriatric Medicine. SAEM Pulse 2022 Jul-Aug;37(4):46.

Muradian M, Novak D, Stark N. What you need to know about EM administration fellowships. EM Resident 2022 Feb-Mar, 49(1):39.

Osmani J, **Muradian M**, Brown C, Stark N. Impact of urgent care centers and telehealth in the ED. EM Resident 2022 Feb-Mar, 49(1):37-8.

Multimedia:

Liu SW, Landry A, Chary A, **Cameron-Casco L**, Rohra A, Dresden S. Ageism in emergency medicine. YouTube. YouTube, 2022. <https://www.youtube.com/watch?v=cJWO3flf73I>.

Todd BR. EMRA hangouts live residency recruitment program director interviews: Great Lakes Region, Brett Todd, Beaumont Hospital, Royal Oak, Michigan. Council of Residency Directors (CORD) in Emergency Medicine Academic Assembly, 2022, Mar 27-30, San Diego, CA.

FAMILY MEDICINE

Peer-Reviewed Publications:

Garcia R, Bartkowiak C, **Nesbitt A**. The importance of stigma theory for clinical decisions related to diabetic foot amputations. *Clin Res Prac*. 2022 Dec 6;8(2):eP3047. <https://doi.org/10.22237/crp/1667260800>.

Gill G, Weitz E. Do intra-articular steroid injections affect blood glucose levels in diabetic patients? *Evid Based Pract*. 2022 Nov;25(11):9-10.

Green J, Wright H, Seely D, Legacy M, **Anderson M**, Armstrong H, et al. A survey of multi-disciplinary healthcare providers utilizing the knowintegrateonology.org educational platform. *BMC Complement Med Ther*. 2022 Apr 28;22(1):118. doi:10.1186/s12906-022-03601-5. PMID:35484545.

Govindaraju VK, Chao JT, Duvall ER, Baker NS, **Fahey KM**, Lee R, et al. Incidence of endogenous fungal endophthalmitis in screening dilated exams in patients with elevated beta-d-glucan levels versus positive fungal blood cultures. *Clin Ophthalmol*. 2022 Aug 22;16:2743-2750. doi:10.2147/OPTH.S362888. PMID:36035241.

Lick D, Mirza N, **Trevor R**. Are cannabinoids effective for treatment of noncancer musculoskeletal pain? *Evidence-based practice: Patient-oriented evidence that matters* 2022;25(7):40-41. doi:10.1097/EBP.0000000000001631

Meza JP, Yee NH. From the editor: Understanding how social determinants of health are integrated within clinical decision science. *Clin Res Prac*. 2022 Oct 17;8(1):eP3274. <https://doi.org/10.22237/crp/1665964860>.

Mulhem E, Khondoker F, Kandiah S. Constipation in children and adolescents: Evaluation and treatment. *Am Fam Physician*. 2022 May 1;105(5):469-478. PMID:35559625.

Mulhem E. Are digital interventions effective for improving asthma control and adherence to maintenance treatments for people with asthma? *Cochrane Clinical Answers*. 2022 Nov 10. <https://doi.org/10.1002/cca.4112>.

Mulhem E. How does parenteral compare with enteral fluid therapy for children hospitalized with bronchiolitis? *Cochrane Clinical Answers* 2022 Jun 8. <https://doi.org/10.1002/cca.3962>.

O'Neill S, **Patalinghug E**. Is cannabidiol an effective treatment of insomnia in adults? *Evidence-based practice: Patient-oriented evidence that matters* 2022;25(6):11. doi:10.1097/EBP.0000000000001499.

Pado K, Fraus K, **Mulhem E**, Taku K. Posttraumatic growth and second victim distress resulting from medical mishaps among physicians and nurses. *J Clin Psychol Med Settings*. 2022 Dec 12. doi:10.1007/s10880-022-09931-3. PMID:36507954.

Patel N, Fayed M, Faldu P, Maroun W, **Chandarana J**. Chronic proton-pump inhibitor therapy and fracture risk in women aged between 50 and 65 years: A retrospective case-control study. *Cureus*. 2022 Aug 26;14(8):e28429. doi:10.7759/cureus.28429. PMID:36176864.

Shajahan A, Pasquetto IV. Countering medical misinformation online and in the clinic. *Am Fam Physician*. 2022 Aug;106(2):124-125. PMID:35977143.

Shammami A, Eraqi H. 58-year-old man • Bilateral shoulder pain • history of prostate cancer • limited shoulder range of motion • Dx? J Fam Pract. 2022 Jan;71(1):E13-E14. doi:10.12788/jfp.0340. PMID:35259333.

Tanniru M, Sule A, **Shajahan A.** Editorial: Client centric view of population health in the digital age-making healthcare personal. Front Public Health. 2022 Jun 22;10:941423. doi:10.3389/fpubh.2022.941423. PMID:35812504.

Tort S, **Mulhem E.** What are the effects of self-management for people with chronic obstructive pulmonary disease (COPD)? Cochrane Clinical Answers. 2022 Jun 29. <https://doi.org/10.1002/cca.3987>.

Invited Presentations:

Adams D, Rogers D, Kowalkowski J. Point-of-care ultrasound curriculum development in a family medicine residency. Beaumont Health 50th Annual Resident & Fellow Research Forum, 2022 Apr 28, Royal Oak, MI.

Ali H. Advance care planning core component course. Beaumont Health Advance Care Planning Core Component Course, 2022 Jul 27. Virtual.

Baker C. Implicit bias. Beaumont Health Pearls for Primary Care Providers, 2022 Sep 30, Dearborn, MI.

Bronsteen K. Ultrasound guided procedures for musculoskeletal pain. Beaumont Health Family Medicine CME Series Farmington Hills, 2022 Sep 13, Farmington Hills, MI.

Friedli J, Drewry T, Kottukapally N, Landsberg C. A lesson learned from mounting a motorcycle. American Medical Society for Sports Medicine Annual Meeting, 2022 Apr 8-13, Austin, TX.

Huetterman HE, **Mulhem E.** Effects of state-wide mandatory automated prescribing system on safe medication disposal. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Jafry S, Mausi L. Toxic: A Black woman's story -- Facilitating conversations surrounding bias, microaggressions, and health disparities. 11th Annual Oakland University William Beaumont School of Medicine Davidson Medical Education Week, 2022 May 16-20, Rochester, MI.

Jafry S. Stepping in. Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Nov 1, Beaumont Hospital, Royal Oak, MI.

Kowalkowski J, Edriss S, Warnick S. Protecting wellness and boundaries while navigating leaves of absences: Case studies for approaching from an ethical and behavioral health lens. 43rd Forum for Behavioral Science in Family Medicine by the Medical College of Wisconsin Department of Family and Community Medicine, 2022 Sep 7, Chicago, IL.

McParlane J, **Kowalkowski J.** The "Hopeless" patient and the "helpless" doctor. Beaumont Health Symposium for Primary Care Medicine, 2022 Nov 4, Novi, MI.

Meza JP, Lau JA, Yaekle SA. Self-reflections on culture and medicine: Exploration of diversity, equity, and inclusion. Family Medicine Midwest 2022 Conference, 2022 Oct 7-9, Minneapolis, MN.

Meza JP, Tanbakuchi D, Zehner R, Daniel A, Lau J. Google Translate "Schwartzfahrer" and the exploration of racism and belonging in a different culture. Society of Teachers of Family Medicine 2022 Annual Spring Conference, 2022 Apr 30-May 4, Indianapolis, IN.

Meza JP, Yee N, Cohen ED, Pantelic M, Przybycien T, Russeth, T, Patel, K, Baughan, S. Scholarly activity and academic writing for practicing clinician. Society of Teachers of Family Medicine 2022 Annual Spring Conference, 2022 Apr 30-May 4, Indianapolis, IN.

Meza JP. Developing psychometric scales using ethnography for domain analysis of social constructs. 2022 Conference for Physician-Scholars in the Social Sciences & Humanities, 2022 Apr 30-May 4, Los Angeles, CA.

Morasso J. Back pain: Diagnosis and restoring function. Beaumont Health Practical and Progressive Updates in Primary Care Medicine, 2022 Apr 6. Virtual.

Morris P. Successful transition from student to resident: Educational and financial preparation. 11th Annual Oakland University William Beaumont School of Medicine Davidson Medical Education Week, 2022 May 16-20, Rochester, MI.

Nesbitt A. Weighing in on obesity: After initial intervention. Beaumont Health Pearls for Primary Care Providers, 2022 Sep 30, Dearborn, MI.

Oleszkowicz A. COVID 19 updates. Outpatient Family Medicine and Internal Medicine Department Meeting, 2022 Jan 11, Beaumont Hospital, Troy, MI.

Rida A. Type 2 diabetes: A primary care perspective. Beaumont Health Pearls for Primary Care Providers, 2022 Sep 30, Dearborn, MI.

Venida R, Nelson C. Documentation of procedural training and competencies in community-based family medicine programs. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Warnick S. Mental health crisis in the pediatric population. Beaumont Health Practical and Progressive Updates in Primary Care Medicine, 2022 Apr 6. Virtual.

Williams J. Managing metabolic syndrome. Beaumont Health Symposium for Primary Care Medicine, 2022 Nov 4, Novi, Michigan.

Zeman, LL. COVID pandemic: Reflecting and coping. Beaumont Health Practical and Progressive Updates in Primary Care Medicine, 2022 Apr 6-May 15. Virtual.

Multimedia:

Gilpin N, **Shajahan A.** Skrzyński J. The COVID-19: Looking ahead episode. Beaumont HouseCall Podcast, Beaumont Health, 2022 Apr 13. <https://www.youtube.com/watch?v=BeOrtbh215o>.

Shajahan A. Healthcare disparities. OB/GYN Grand Rounds Lecture Presentation, 2022 Feb 8, Beaumont Hospital, Dearborn, Michigan

Shajahan A. Loneliness...an epidemic. Beaumont Health Continuing Medical Education On Demand Series, 2022 Jun 20. Virtual.

Shajahan A. Social determinants of health. Beaumont Health Practical and Progressive Updates in Primary Care Medicine, 2022 Apr 6. Virtual.

Shajahan A. The loneliness epidemic in a pandemic and beyond. Beaumont Health Interdisciplinary Geriatrics Conference: Trends Moving Forward, 2022 May 20. Virtual.

Shajahan A. Unconscious bias. Beaumont Health Continuing Medical Education On Demand Series, 2022 May 12. Virtual.

Shajahan A. Cummings J. The alcoholism bonus episode. Beaumont HouseCall Podcast. Michigan: Beaumont Health, 2022 Apr 13. <https://www.youtube.com/watch?v=ICF-8HDDfU8>

Shajahan A. Guina, J. The alcohol awareness episode. Beaumont HouseCall Podcast, Beaumont Health, 2022 Apr 13. [the Alcohol Awareness episode | Beaumont HouseCall Podcast](#)

Shajahan A, Jones D. The resilience episode. Beaumont HouseCall Podcast. Beaumont Health, 2022 Apr 13. <https://www.youtube.com/watch?v=pPESX7hR33Q>.

Shajahan A, Lampen R. The bivalent COVID booster episode. Beaumont HouseCall Podcast. Beaumont Health, 2022 Apr 13]. https://www.youtube.com/watch?v=Xr_eueuPL0w

INTEGRATIVE MEDICINE

Peer-Reviewed Publications:

Green J, Wright H, Seely D, Legacy M, **Anderson M, Armstrong H**, et al. A survey of multidisciplinary healthcare providers utilizing the knowintegrativeoncology.org educational platform. BMC Complement Med Ther. 2022 Apr 28;22(1):118. doi:10.1186/s12906-022-03601-5. PMID:35484545.

Invited Presentations:

Anderson M. Integrative medicine approaches to pain management. Integrative Medicine Approaches to Pain Management, 2022 Mar 10. Virtual.

Anderson M. Non-pharmacological pain entities. Beaumont Health Nurse Professional Development Day, 2022 Sep 27, Royal Oak, MI.

SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE

Allergy and Immunology

Dermatology

Endocrinology

Gastroenterology and Hepatology

General Internal Medicine

Geriatrics

Hematology/Oncology

Infectious Diseases

Nephrology

Neurology

Nutrition and Preventive Medicine

Pulmonary and Critical Care Medicine

ALLERGY AND IMMUNOLOGY

Peer-Reviewed Publications:

Madanat L, Sager M, O'Connor D, Thapa B, Aggarwal N, Ghimire B, et al, **[Lauter CB]**. Prognostic value of SARS-CoV-2 anti-RBD IgG antibody quantitation on clinical outcomes in hospitalized COVID-19 patients. *Int J Gen Med*. 2022 Jun 18;15:5693-5700. doi:10.2147/IJGM.S370080. PMID:35755860.

Invited Presentations:

Reinhold L, Dixon SR, **Lauter CB**. Recurrent myopericarditis following mRNA-1273 SARS-CoV-2 vaccination in a patient with previous SARS-CoV-2 myopericarditis. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Stryk S. Chronic rhinosinusitis with nasal polyps. Pediatrics Grand Rounds & QI Conference, 2022 Mar 8, Beaumont Hospital, Royal Oak, MI.

DERMATOLOGY

Peer-Reviewed Publications:

Abushukur Y, Oska S, **Nartker N, Fahs F, Potts G**. Women representation in dermatology residency program leadership: A cross-sectional study. *Int J Womens Dermatol*. 2022 Aug 26;8(3):e045. doi:10.1097/JW9.000000000000045. PMID:36035863.

Hegazy S, **Moesch J**, Guerrero A, Ho J, Karunamurthy A. Random skin biopsy is a useful procedure in the evaluation of hemophagocytic lymphohistiocytosis: A case report and review of literature. *Am J Dermatopathol*. 2022 Dec 1;44(12):925-928. doi:10.1097/DAD.0000000000002301. PMID:36197063.

Lyons AB, Narla S, Kohli I, Zubair R, **Nahhas AF**, Braunberger TL, et al. Assessment of inter-rater reliability of clinical hidradenitis suppurativa outcome measures using ultrasonography. *Clin Exp Dermatol*. 2022 Feb;47(2):319-324. doi:10.1111/ced.14889. PMID:34388853.

Lyons AB, Zubair R, Kohli I, **Nahhas AF**, Braunberger TL, Mokhtari M, et al. Mitigating visible light and long wavelength uva1-induced effects with topical antioxidants. *Photochem Photobiol*. 2022 Mar;98(2):455-460. doi:10.1111/php.13525. PMID:34549819.

Mansour MR, Abushukur Y, **Potts GA**. Keratosis pilaris on tiktok: A cross-sectional analysis of trending content. *JAAD Int*. 2022 Jun 22, 8:116-117. doi:10.1016/j.jdin.2022.06.015. PMID:35875398.

McClure **Corwin K**, Tvedten E, **Seiger E**. Innovative minimally invasive technique for the lower blepharoplasty. *J Cosmet Dermatol*. 2022 Aug;21(8):3494-3495. doi:10.1111/jocd.15033. PMID:35488495.

Patel BM, **Moesch J**, Karunamurthy A, Puleio DV, Drappatz J, Akilov OE, et al. Cutaneous metastasis of primary diffuse large B-cell lymphoma of the central nervous system developing 4 years after complete remission: Diagnosis confirmed by comparison of clones. *J Cutan Pathol*. 2022 Jan;49(1):90-94. doi:10.1111/cup.14129. PMID:34498750.

Valk B, Ivanov NN, Nahhas A, Corwin K, Hansen K, Globerson J, et al, [**LaCasse A, Sikorski L**]. Mask-related skin changes among healthcare workers in a community-based hospital. *J Osteopath Med*. 2022 Aug 29;122(12): 609-615. doi:10.1515/jom-2022-0097. PMID:36028224.

Vellaichamy G, Kohli I, Zubair R, Yin C, Braunberger T, **Nahhas AF**, et al. An in vivo model of postinflammatory hyperpigmentation and erythema: Clinical, colorimetric and molecular characteristics. *Br J Dermatol*. 2022 Mar;186(3):508-519. doi:10.1111/bjd.20804. PMID:34625951.

Published Abstracts:

Rubin C, Skelsey M, Clarke L, Rock J, Jansen B, Arnold T, et al. A non-invasive genomic assay for pigmented lesions to rule out primary cutaneous melanoma: Interim analysis of a national registry database. *J Invest Dermatol*. 2022 Aug;142(8 Suppl):S30. doi:10.1016/j.jid.2022.05.183.

Invited Presentations:

Ivanov N, Garvin A, **Mahon M, Stephenson S**. Eosinophilic fasciitis presenting as an ichthyosiform eruption of the bilateral ankles. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

McClure K, Tvedten E, **Seiger E**. Innovative minimally invasive technique for the lower blepharoplasty. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Swan A. Mitigating a potential occupational biohazard of dermatology consultations. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Valk B, **Ivanvo N**. Mask-related skin changes among health care workers in a community-based hospital. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Valk B, Silva V, Pfeifle J, Stephenson S. Keloidal scleroderma: A rare manifestation of systemic sclerosis. American Osteopathic College of Dermatology (AOCD) Spring Meeting, 2022 Mar 10-13, Orlando, FL.

Multimedia:

Hansen K, Rizvi Z, **LaCasse A**, Pui J. DermDx: Rash on arms, knees, and back. Clinical Advisor. 2022 Jun 21. Accessed May 5, 2022. <https://www.clinicaladvisor.com/slideshow/derm-dx/rash-arms-knees-back-eruptive-xanthomas/>.

ENDOCRINOLOGY

Peer-Reviewed Publications:

Kneen KE, Ngo HG, Ghimire B, **Banka AA**. Persistent orthostatic hypotension in a patient with acromegaly: Resolution with transsphenoidal hypophysectomy. *Cureus*. 2022 Apr 24;14(4):e24436. doi:10.7759/cureus.24436. PMID:35637822.

Zha L, Li J, Krishnan SM, **Brennan MR**, Zhang YV, Povse P, et al. New diagnostic cutoffs for adrenal insufficiency after cosyntropin stimulation using Abbott Architect Cortisol Immunoassay. *Endocr Pract*. 2022 Jul;28(7):684-689. doi:10.1016/j.eprac.2022.04.003. PMID:35487459.

Invited Presentations:

Al-Kassab A. Inpatient management of diabetes: Update and pearls. Medical Services Update Conference, Apr 26, 2022, Troy, MI.

Batra N, Aggarwal N, Niroula S, Misra D, Czako P, **Shelden D**. Multiple endocrine neoplasia type 1 in a young man with seizures. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Brennan MR. Diabetic agents that prevent CV events: What every practitioner needs to know. Practical Update in Cardiology, 2022 Sep 24, Troy, MI.

Brennan MR. Osteoporosis, breaking news! Symposium for Primary Care Medicine 2022, Nov 4, 2022, Novi, MI.

Brennan MR. Primer on adrenal insufficiency. Medical Ground Rounds Lecture Presentation. Beaumont Hospital, Feb 9, 2022, Royal Oak, MI.

Brennan MR. The clinician's guide to type 2 diabetes. Practical and Progressive Updates in Primary Care Medicine, 2022 Apr 6. Virtual.

Hehar G, **Banka A**, Rahmon D. Bladder paraganglioma associated with SDHA mutation presenting as pelvic pain. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Lawrence L. Diabetes update. Outpatient Family Medicine and Internal Medicine Department Meeting, Troy, MI. 2022 Oct 11.

Schmeltz L. Thyroid radiofrequency ablation (RFA). Medical Ground Rounds Lecture Presentation. Beaumont Hospital, Royal Oak, MI. Nov 9, 2022

Shelden D. Osteoporosis. Beaumont Health Practical and Progressive Updates in Primary Care Medicine 2022, Apr 6. Virtual

Walentine CR, **Brennan MR**, Nadeau KJ, Cree-Green M. Impact of polycystic ovary syndrome on cardiovascular disease in obese female youth. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

GASTROENTEROLOGY AND HEPATOLOGY

Peer-Reviewed Publications:

Alshaikhli A, **Al-Hillan A**. Hemosuccus pancreaticus. 2022 Apr 14. Treasure Island, FL. StatPearls Publishing, PMID:34033332.

Alshaikhli A, **Al-Hillan A**. Liver cystic disease. 2022 Apr 21. Treasure Island, FL. StatPearls Publishing, PMID:33620816.

Calderwood AH, Sawhney MS, Thosani NC, Rebbeck TR, Wani S, Canto MI, et al, **[Jamil LH]**. American Society for Gastrointestinal Endoscopy guideline on screening for pancreatic cancer in individuals with genetic susceptibility: Methodology and review of evidence. *Gastrointest Endosc*. 2022 May;95(5):827-854.e3. doi:10.1016/j.gie.2021.12.002. PMID:35183359.

***Cappell MS, Tobi M**. Ancient origins of the remarkable ability of the human liver to regenerate itself: Three references from the Babylonian talmud and two references from Greek mythology. *J Clin Exp Hepatol*. 2022 Nov-Dec;12(6):1593-1594. doi:10.1016/j.jceh.2022.07.247. PMID:36340305.

Cartin-Ceba R, Khatua B, El-Kurdi B, Trivedi S, Kostenko S, **Imam Z**, et al. Evidence showing lipotoxicity worsens outcomes in COVID-19 patients and insights about the underlying mechanisms. *Science*. 2022 May 20;25(5):104322. doi:10.1016/j.isci.2022.104322. PMID:35502320.

Cholankeril G, **Al-Hillan A**, Tarlow B, Abrams D, Jacobs JS, Flores NP, et al. Clinical factors associated with lack of serological response to SARS-COV-2 messenger RNA vaccine in liver transplantation recipients. *Liver Transpl*. 2022 Jan;28(1):123-126. doi:10.1002/lt.26351. PMID:34724328.

Gill I, Edhi A, Amin M, ***Cappell MS**. Simultaneous massive esophageal mucosal candidiasis and profound cytomegaloviral esophageal ulcers with recurrence of both infections 12 years later in a patient with long-standing AIDS: Endoscopic, radiologic, and pathologic findings. *Case Rep Gastrointest Med*. 2022 Feb 27;2022:9956650. doi:10.1155/2022/9956650. PMID:35265384.

Gill I, Shams C, Hanna A, George J, **Jamil LH, Patel A**. Role of demographics in non-invasive testing for colorectal cancer screening: Do targeted cut-off values improve detection? *Minerva Gastroenterol (Torino)*. 2022 Mar 28. doi:10.23736/S2724-5985.22.03124-2. PMID:35343664.

Haider MB, Al Sbihi A, Chaudhary AJ, Haider SM, **Edhi AI**. Hereditary hemochromatosis: Temporal trends, sociodemographic characteristics, and independent risk factor of hepatocellular cancer-nationwide population-based study. *World J Hepatol*. 2022 Sep 27;14(9):1804-1816. doi:10.4254/wjh.v14.i9.1804. PMID:36185720.

Hakim S, ***Gjeorgjievski M**, Khan Z, **Cannon ME**, Yu K, Patil P, et al, **[Jamil LH]**. Is antibiotic prophylaxis necessary after endoscopic ultrasound-guided fine-needle aspiration of pancreatic cysts? *Clin Endosc*. 2022 Nov;55(6):801-809. doi:10.5946/ce.2021.150. PMID:36464828.

Ichkhanian Y, Barawi M, Seoud T, Thakkar S, Kothari TH, Halabi ME, et al, **[Jamil LH]**. Endoscopic full-thickness resection of polyps involving the appendiceal orifice: A multicenter international experience. *Endoscopy*. 2022 Jan;54(1):16-24. doi:10.1055/a-1345-0044. PMID:33395714.

Isseh M, Hasan LZ, **Imam Z**, Armstrong J, **Rana K**. Migration of gastroduodenal artery embolization coil into the duodenal lumen. *J Can Assoc Gastroenterol*. 2021 May 15;5(2):51. doi:10.1093/jcag/gwab010. PMID:35368322.

Kamal F, Ali Khan MA, Lee-Smith W, Sharma S, Acharya A, **Imam Z**, et al. Metal versus plastic stents in the management of benign biliary strictures: Systematic review and meta-analysis of randomized controlled trials. *Eur J Gastroenterol Hepatol*. 2022 May 1;34(5):478-487. doi:10.1097/MEG.0000000000002352. PMID:35170533.

Kamal F, Khan MA, Lee-Smith W, Sharma S, Acharya A, **Imam Z**, et al. Second exam of right colon improves adenoma detection rate: Systematic review and meta-analysis of randomized controlled trials. *Endosc Int Open*. 2022 Oct 17;10(10):E1391-E1398. doi:10.1055/a-1896-4499. PMID:36262512.

Kamal F, Khan MA, Lee-Smith W, Sharma S, **Imam Z**, Jowhar D, et al. Outcomes of endoscopic submucosal dissection for treatment of superficial pharyngeal cancers: Systematic review and meta-analysis. *Dig Dis Sci*. 2022 Aug;67(8):3518-3528. doi:10.1007/s10620-021-07225-6. PMID:34505257.

Kozyk M, Strubchevska K, **Batke M**. Transcolonic misplacement as a rare complication associated with PEG tube. *Clin Case Rep*. 2022 Nov 27;10(11):e6650. doi:10.1002/ccr3.6650. PMID:36447666.

Park KH, Lew D, Samaan J, Patel S, Liu Q, Gaddam S, et al, [**Jamil LH**]. Comparison of no stent fixation, endoscopic suturing, and a novel over-the-scope clip for stent fixation in preventing migration of fully covered self-expanding metal stents: A retrospective comparative study (with video). *Gastrointest Endosc*. 2022 Nov;96(5):771-779. doi:10.1016/j.gie.2022.06.001. 2022 Jun 11. PMID:35697128.

Park KH, Rosas US, Liu QY, **Jamil LH**, Gupta K, Gaddam S, et al. Safety of teaching endoscopic ultrasound-guided gastroenterostomy (EUS-GE) can be improved with standardization of the technique. *Endosc Int Open*. 2022 Aug 15;10(8):E1088-E1094. doi:10.1055/a-1822-9864. PMID:35979034.

Tennant TC, Pandey S, **Edhi AI**, **Batke M**. Esophageal stricture caused by CMV in a non-HIV-infected renal transplant patient. *ACG Case Rep J*. 2022 Aug 31;9(8):e00836. doi:10.14309/crj.0000000000000836. PMID:36061253.

Tobi M, Sochacki P, Ben-Josef E. The "Itis" in chronic radiation proctitis is alrightis but RAVE is too superficial a shave. *Gastroenterology*. 2022 Mar;162(3):991. doi:10.1053/j.gastro.2021.10.049. PMID:34736963.

Vitale DS, Wang K, **Jamil LH**, Park KH, Liu QY. Endoscopic mucosal resection in children. *J Pediatr Gastroenterol Nutr*. 2022 Jan 1;74(1):20-24. doi:10.1097/MPG.0000000000003275. PMID:34347680.

Published Abstracts:

Al-Hillan A, Wakil A, Lazar N, **Alsibae M**. Common variable immunodeficiency with atypical hepatic disease. *Am J Gastroenterol*. 2022 Oct;117(10 Suppl):e1930. doi:10.14309/01.ajg.0000868536.46880.84.

Gill I, Aggarwal N, Amin M, **Patel A**. Unusual cause of bleeding mimicking malignancy in a young patient. *Am J Gastroenterol*. 2022 Oct;117(10 Suppl):e1703. doi:10.14309/01.ajg.0000866896.95560.a8.

Gill I, Pandey S, **Patel A**. Colonoscopy-induced transient Mobitz type 1 block. *Am J Gastroenterol*. 2022 Oct;117(10 Suppl):e1375-e1376. doi:10.14309/01.ajg.0000864640.48944.3c.

Lazar NJ, **Kakked G, Edhi A, Jamil LH**. Direct oral anticoagulation with and without proton-pump inhibitor co-therapy: A retrospective cohort analysis of bleeding and thrombosis risks. *Gastroenterology*. 2022 May;162(7 Suppl):S60. doi:10.1016/S0016-5085(22)60149-5.

Mohamed M, **Al-Hillan A**, Wakil A. Prevalence of ordering computed tomography scans for non-traumatic abdominal pain in the emergency department in a tertiary care center. *Am J Gastroenterol*. 2022 Oct;117(10 Suppl):e1095-e1096. doi:10.14309/01.ajg.0000862756.91681.fd.

Neupane R, Pandey S, Niroula S, **Cannon M**. Unusual stomach mass: Gastric metastasis of malignant leiomyosarcoma. *Am J Gastroenterol*. 2022 Oct;117(10 Suppl):e2310-e2311. doi:10.14309/01.ajg.0000871380.67074.48.

Pandey S, **Aneese A**, Niroula S, **Jamil LH**. Endoscopic management of migrated pancreatic stent into hepaticojejunostomy causing acute pancreatitis. *Am J Gastroenterol*. 2022 Oct;117(10 Suppl):e1199. doi:10.14309/01.ajg.0000902156.31896.b6.

Pandey S, Niroula S, **Neupane R, Kakked G, Reddy N**. Gastrointestinal Kaposi sarcoma: A case report. *Am J Gastroenterol*. 2022 Oct;117(10 Suppl):e1666. doi:10.14309/01.ajg.0000866648.11769.e5.

Pandey S, Tennant T, Pokharel A, **Aneese A**, Halalau A. Risk factors of clostridium difficile infection in helicobacter pylori diagnosed patients: A multicenter study. *Am J Gastroenterol*. 2022 Oct;117(10 Suppl):e125. doi:10.14309/01.ajg.0000857328.45281.64.

Invited Presentations:

Aggarwal N, **Nepupane R, Rana K**. Gastric polyps leading to occult blood loss. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Alsibae M. Alcohol induced liver injury program. Family Medicine/Internal Medicine CME Series, 2022 Jun 13, Beaumont Hospital, Grosse Pointe, MI.

Alsibae M. Alcohol liver disease and transplant program. Emergency Medicine Grand Rounds Lecture Presentation, 2022 Jan 27, Beaumont Hospital, Royal Oak, MI.

Alsibae M. Decompensated cirrhosis: Management & liver transplantation. Medical Grand Rounds Lecture Presentation, 2022 Mar 9, Beaumont Hospital, Royal Oak, MI.

Alsibae M. Management of fatty liver and elevated LFTs. Outpatient Family Medicine and Internal Medicine Department Meeting, 2022 Feb 8, Beaumont Hospital, Troy, MI.

Gill I, Aggarwal N, Amin M, **Patel A**. Cap polyposis: An unusual cause of rectal bleeding in a young patient. American College of Gastroenterology Annual Scientific Meeting, 2022 Oct 21-26, Charlotte, NC.

Gill I, Pandey S, **Patel A**. Colonoscopy-induced transient Mobitz type 1 block. American College of Gastroenterology Annual Scientific Meeting, 2022 Oct 21-26, Charlotte, NC.

Hamman C, Sendelbach M. Gangliocytic paraganglioma: Incidental presentation of a rare gastrointestinal stromal tumor. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Kinning M. Evaluation of the predictors of choledocholithiasis. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Kozyk M, Strubchevsak K, **Batke M**. PEG tube: Dealing with transcolonic misplacement. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Pandey S, **Aneese A**, Niroula S, **Jamil LH**. Endoscopic management of migrated pancreatic stent into hepaticojejunostomy causing acute pancreatitis. American College of Gastroenterology Annual Scientific Meeting, 2022 Oct 21-26, Charlotte, NC.

Pandey S, Niroula S, **Neupane R**, **Kakked G**, **Reddy N**. Gastrointestinal Kaposi sarcoma: A case report. American College of Gastroenterology Annual Scientific Meeting, 2022 Oct 21-26, Charlotte, NC.

Pandey S, Tennant T, Pokharel A, **Aneese A**, Halalau A. Risk factors of clostridium difficile infection in helicobacter pylori diagnosed patients: A multicenter study. American College of Gastroenterology Annual Scientific Meeting, Oct 21-26, 2022, Charlotte, NC.

Sumnicht K. Update on colorectal cancer screening guidelines. Symposium for Primary Care Medicine 2022, Nov 4, 2022, Novi, MI.

Whitmer B. Exocrine pancreatic insufficiency. Family Medicine/Internal Medicine CME Series, 2022 Nov 14, Beaumont Hospital, Grosse Pointe, MI.

GENERAL INTERNAL MEDICINE

Peer-Reviewed Publications:

Abukhaled J, Balinski AM. Benign pheochromocytoma presenting with recurrent spells and negative biochemical screening. *BMJ Case Rep.* 2022 Aug 26;15(8):e251113. doi:10.1136/bcr-2022-251113. PMID:36028241.

Alakhras H, Goodman BD, **Zimmer M**, **Aguinaga S**. Confusion, hallucinations, and primary polydipsia: A rare presentation of neurosarcoidosis. *Cureus.* 2022 Jan 28;14(1):e21687. doi:10.7759/cureus.21687. PMID:35237482.

Al-Banaa K, Alshami A, **Elhouderi E**, Hannoodee S, Hannoodee M, Al-Hillan A, et al. Low versus high dose anticoagulation in patients with Coronavirus 2019 pneumonia at the time of admission to critical care units: A multicenter retrospective cohort study in the Beaumont Healthcare System. *PLoS One.* 2022 Mar 24;17(3):e0265966. doi:10.1371/journal.pone.0265966. PMID:35325001.

Alkheder MA, **Said J**, VanZweden DJ. Treatment of brachial plexitis: A complication of brachial plexus regional nerve block. *Cureus.* 2022 Oct 9;14(10):e30105. doi:10.7759/cureus.30105. PMID:36381927.

Antonios B, **Karki U**, Antonios K, **Ghimire B**, Chisti MM. Development of Merkel cell carcinoma in a patient receiving rituximab. *Case Rep Oncol Med.* 2022 Nov 3;2022:1814338. doi:10.1155/2022/1814338. PMID:36394062.

Antonios B, **Zimmer M**, **Herrman E**, **Berghea R**. Severe thrombocytopenia two weeks following immunization with the Janssen Ad26.CoV2.S vaccine. *Case Rep Hematol.* 2022 Jul 27;2022:7208401. doi:10.1155/2022/7208401. PMID:35911081.

Armstrong DG, **Grunberger G**. Stimulating results signal a new treatment option for people living with painful diabetic neuropathy. *J Diabetes Sci Technol.* 2022 Jun 30;19322968221099542. doi:10.1177/19322968221099542. PMID:35770993.

Bahado-Singh RO, *Radhakrishna U, Gordevičius J, Aydas B, Yilmaz A, Jafar F, et al, **[Maddens M]**. Artificial intelligence and circulating cell-free DNA methylation profiling: Mechanism and detection of Alzheimer's disease. *Cells.* 2022 May 25;11(11):1744. doi:10.3390/cells11111744. PMID:35681440.

Balinski AM, Harvey RN, Ko RB, **Smalley MM**, Cutler NE, **Siddiqi MT**. Vaping-related clotting phenomena presenting as central retinal vein occlusion. *Cureus.* 2022 Aug 5;14(8):e27700. doi:10.7759/cureus.27700. PMID:36081966.

Bhatia K, Jain V, Hendrickson MJ, **Aggarwal D**, Aguilar-Gallardo JS, Lopez PD, et al. Meta-analysis comparing venoarterial extracorporeal membrane oxygenation with or without Impella in patients with cardiogenic shock. *Am J Cardiol.* 2022 Oct 15;181:94-101. doi:10.1016/j.amjcard.2022.06.059. PMID:35999070.

Cartin-Ceba R, Khatua B, El-Kurdi B, Trivedi S, Kostenko S, Imam Z, et al, **[Ionescu F]**. Evidence showing lipotoxicity worsens outcomes in COVID-19 patients and insights about the underlying mechanisms. *iScience.* 2022 May 20;25(5):104322. doi:10.1016/j.isci.2022.104322. PMID:35502320.

Cascardo C, Ismail A, Fullmer J, **Davila F**. Anti-NMDA receptor encephalitis with initial negative markers: Diagnostic and therapeutic challenges of a refractory case with 9-month-long follow-up. *BMJ Case Rep.* 2022 Jun 28;15(6):e249126. doi:10.1136/bcr-2022-249126. PMID:35764337.

Elhouderi E, El Sawalhy E, Kabbani M. Myopericarditis after mRNA COVID-19 vaccine in a patient with recent history of COVID-19. *Cureus*. 2022 May 23;14(5):e25264. doi:10.7759/cureus.25264. PMID:35755512.

Foglesong A, Mathew D. Pulseless ventricular tachycardia. 2022 May 15. Treasure Island, FL. StatPearls Publishing, PMID:32119354.

Gad MM, Elgendy IY, Saad AM, Mahmoud AN, Isogai T, Chahine J, et al, **[Kadri AN]**. Outcomes of transcatheter versus surgical aortic valve replacement in patients <60 years of age. *Cardiovasc Revasc Med*. 2022 Oct;43:7-12. doi:10.1016/j.carrev.2022.05.008. PMID:35672240.

Ghimire B, Hamajima Y, Carbajal-Carballo L, Anusim N. Chalazion in a patient with multiple myeloma treated with bortezomib. *BMJ Case Rep*. 2022 Dec 7;15(12):e251077. doi:10.1136/bcr-2022-251077. PMID:36593601.

Ghimire B, Herrman E, Karki U, Chisti MM. Use of circulating tumour DNA in nasopharyngeal carcinoma to detect minimal residual disease. *BMJ Case Rep*. 2022 Jun 24;15(6):e251196. doi:10.1136/bcr-2022-251196. PMID:35750431.

Ghimire B, Karki U, Herrman E, Pandey S, Antonios B, Chisti MM. S333 How reliable is circulating tumor dna in detecting disease progression or regression of non-colorectal gastrointestinal cancers? *American journal of gastroenterology* 2022 Oct;117(10S):e241.

Ghimire B, Pokharel A, Karki U, Thapa S, Chisti MM. Anaplastic lymphoma kinase (ALK) positive neuroendocrine tumor of lung with favorable response to alectinib (ALK inhibitor). *Clin Lung Cancer*. 2022 Dec 26:S1525-7304(22)00298-4. doi:10.1016/j.clcc.2022.12.004. PMID:36690569.

Ghimire S, Lamichhane A, Basnet A, **Pandey S, Poudel N, Shrestha B, et al.** Guideline based knowledge and practice of physicians in the management of COPD in a low- to middle-income country. *Clin Respir J*. 2022 Mar;16(3):190-199. doi:10.1111/crj.13468. PMID:35023608.

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Invited Presentations:

Aggarwal N, Dwarakanathan V, Singh A, Agarwal A, Kuttan A, Ahmed A, et al. Spectrum of height in patients with celiac disease. 39th Annual Aiimsonians of America (AOA) Convention, 2022 Aug 11-14, Dallas, TX.

Aggarwal N, Garg M, Dwarakanathan V, Gautam N, Kumar S, Jadon RS, et al. Diagnostic accuracy of non-contact infrared thermometers and thermal scanners: A systematic review and meta-analysis. 39th Annual Aiimsonians of America (AOA) Convention, 2022 Aug 11-14, Dallas, TX.

Aggarwal N, Nepupane R, Rana K. Gastric polyps leading to occult blood loss. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Aggarwal N, Rector D, **Lazar N, Khreisat A, Bukovec F**. Paradoxical embolism: Renal infarct presenting as abdominal pain. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Alkhouri A, Salib J, **Artinian J**. Pituitary metastasis of non-small cell lung cancer. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Alsabti S, Schick A, Morton J, Sta. Maria I, Aggarwal D, Sullivan M, et al, [**Kaminoulu P, Maddens N, Nasr J, Halalau A**]. Improving appropriate utilization of echocardiography in the workup of syncope. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Antonios B, Chisti MM. Refeeding a starved bone marrow! American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Antonios B, Herrman E, Chisti MM. Merkle cell carcinoma while on rituximab - is it a coincidence? American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Barlow SJ, **Afonso NM**, Wasserman JA. Death exposure influence on medical students' attitudes toward end-of-life-care. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Barnes M. 5 easy actions to improve teamwork and communication. Beaumont Health Case Conference, 2022 Oct 5, Taylor, MI.

Barnes M. Hot topics in ambulatory medicine. Beaumont Health Practical and Progressive Updates in Primary Care Medicine, 2022 Apr 6. Virtual.

Batra N, Aggarwal N, Niroula S, Misra D, Czako P, Shelden D. Multiple endocrine neoplasia type 1 in a young man with seizures. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Benke J, **Shah J, Lang D**. A novel case of babesiosis in a gardener. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Bielawski B. Street medicine: The bus stop view. 24th Annual Beaumont Health Medical Staff Symposium, 2022 Jun 16-18, Boyne Falls, MI.

Billups T, Bukovec F, Kelekar A. Hand-held ultrasound (HHU) workshop - the basics. 11th Annual Oakland University William Beaumont School of Medicine Davidson Medical Education Week, 2022 May 16-20, Rochester, MI.

Bukovec F. A 27 year-old male with severe hypercalcemia, heavy vaping, suspected vasoplegia requiring ECMO. Beaumont Health Medical Grand Rounds Lecture Presentation, 2022 Apr 27, Royal Oak, MI.

Cascardo C, Ismail A, **Marijanovich N, Davila F**. 9-month course of refractory anti-NMDA receptor encephalitis with initial negative markers: Diagnostic and therapeutic challenges. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Chandra R, Misra D, Gomez-Rojas O, Misra L. Weill...A truly uncommon diagnosis. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Corrado-Kittel A, DeAngelis D, **Glover K**, Hazergian G. Apical hypertrophic cardiomyopathy: A rare variant of hypertrophic cardiomyopathies. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

El Sayed F, Dixon SR, Pow T. Uncovering cardiac amyloidosis by non-invasive means. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Ghandour M, Wang K, Alhabbal A, **Aggarwal N**, Finazzo N, **Jameel O**. Importance of patient medical education: Cardiac tamponade secondary to medication non-compliance. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Ghimire B, Pokharel A, Pandey S, Karki UJ, Wang C, Stender M. Hepatoid adenocarcinoma of lung: A rare and challenging tumor. American College of Physicians Michigan Chapter Residents Day/Medical Students Day, 2022 May 13, Dearborn, MI.

Habba F, Hoban M, Searing S. Cannabis and acute coronary syndrome: A case report exploring potential links. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Habba F. Cannabis and acute coronary syndrome: A case report exploring potential links. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Habib P, Serena T, **Flynn C**, Hartkop A, Wey E, et al, **[Lang D]**. Incidental pathogenic fibrin-associated diffuse large B-cell lymphoma found during aorto-biiliac bypass. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Halalau A. Building a research program for your trainees: Do's and don'ts. 11th Annual Oakland University William Beaumont School of Medicine Davidson Medical Education Week, 2022 May 16-20, Rochester, MI.

Hehar G, Banka A, Rahmon D. Bladder paraganglioma associated with SDHA mutation presenting as pelvic pain. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Heintschel A, Sabbagh S, Herndon P, Moussa M, **Lerman R**. Exploring the effects of mindfulness based stress reduction on pre-clinical medical students: A qualitative methods, longitudinal pilot study. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Herndon P, Moussa M, Heintschel A, Sabbagh S, **Lerman R**. Investigating the effectiveness of a mindfulness based stress reduction course within healthcare: A qualitative methods study. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Herrman E, Antonios B, Zimmer M, Ghimire B, Chisti MM. Granular cell tumor of the breast - a breast malignancy mimicker. American College of Physicians Internal Medicine Meeting, 2022 Apr 28-30, Chicago, IL.

Hwang D, Azzouz L, Choudhry Z, **Rossi B**. Asymptomatic chronic sinusitis as an atypical presentation of meningitis. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Karki,U, Ghimire B, Herrman E, Yadav S, Chisti MM. Detection of progression or regression of breast cancer by circulating tumor DNA (ctDNA), 2022 Dec 6, San Antonio, TX.

Karmo D. Post-acute sequelae of COVID. Beaumont Health Practical and Progressive Updates in Primary Care Medicine, 2022 Apr 6. Virtual.

Kheyrbek M, Austin M, Sager M. A case of altered mental status with a surprising diagnosis. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Kozyk M, Strubchevsak K, Batke M. PEG tube: Dealing with transcolonic misplacement. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Misra L. Medical education in the pandemic: Park Willis Lecture. American College of Physicians Michigan Chapter 2022 Scientific Meeting, Oct 13-16, 2022, Bellaire MI: Shanty Creek Resort.

Morris A. Expecting the unexpected: Balancing autonomy with unforeseen opportunity. Beaumont Health Clinical Ethics Education Group, 2022 Nov 15, Royal Oak. Virtual.

Moussa M, Herndon P, Heintschel A, Sabbagh S, **Lerman R.** Investigating the effects of a mindfulness based stress reduction course on a grouping of oncology patients, health care workers and their families on measures of stress and burnout in health care workers: A randomized control trial. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Mzaik O, Maraskine M, **Ahmad E,** **Patel F,** **Billups T.** Right coronary artery aneurysm causing significant compression of the right ventricular outflow tract. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Nasser B, **Berghea R.** A case of acute unilateral adrenal hemorrhage associated with metastatic lung adenocarcinoma. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Niroula S, **Karki UJ,** **Ghimire B,** **Thapa S.** Small cell carcinoma of the anal canal: A rare entity. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Ozturk NB, **Khreisat A,** **Madanat L,** **Misra L.** Acquired acrodermatitis enteropathica presenting as confusion and desquamating maculopapular rash. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Pandey S, **Aggarwal N,** Edhi A, Jamil LH. Dislodged lumen-apposing metal stent (LAMS) in endoscopic ultrasound guided gastrojejunostomy salvaged by LAMS-in-LAMS technique. Michigan Gastrointestinal Society Inaugural Conference, 2022 Jul 15-17, Traverse City, MI.

Pokharel A, **Reinhold L,** Pokharel A, Bateman J. A rare case of segmental arterial mediolysis. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Reinhold L, Dixon SR, Lauter CB. Recurrent myopericarditis following mRNA-1273 SARS-CoV-2 vaccination in a patient with previous SARS-CoV-2 myopericarditis. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Sabbagh S, Heintschel A, Herndon P, Moussa M, **Lerman R.** Mindfulness-based stress reduction for pre-clinical medical students: Exploring efficacy and benefit. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Sager M. Calvo-Ayala E. Pulmonary rehabilitation in COVID-19 survivors: A single center experience. American College of Physicians Internal Medicine Meeting, 2022 Apr 28-30, Chicago, IL.

Saiyed N, Yilmaz A, Vishweswaraiah S, Maiti AK, Ustun I, Bartolone S, et al, **[Maddens M]**. Urinary cytokines as potential biomarkers of mild cognitive impairment and Alzheimer's disease: A pilot study. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Salahou A, **Hurse D,** Gill A, Grogan JF. Evaluating emotional distress among Michigan food insecure communities during the COVID-19 pandemic. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Sardarli K, Daboul R, Khanal S, Zarouk S. HIV-associated nephropathy presenting as the first manifestation of HIV 2 infection. National Kidney Foundation Spring Clinical Meeting, 2022 Apr 6-10, Boston, MA.

Sardarli K, Morris A, AbuKhaled J. Dual paraneoplastic syndrome in small cell lung cancer. American Society of Nephrology Annual meeting, 2022 Nov 3-6, Orlando, FL.

Seelbinder B, **Kim A**, Rosado M, **Musheinesh M, Cimino A**, Pui J, et al, **[Korkigian A]**. A rare case of subcutaneous panniculitis-like T-cell lymphoma. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Sherman A, Madanat L, Pow T, Gulati A. Primary carnitine deficiency induced ventricular fibrillation. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Shoichet S. Residency program directors meeting. Michigan Chapter of the American College of Physicians 2022 Oct 13-16, Bellaire MI.

Skrzynski J. The current state of the COVID-19 pandemic, lessons learned and looking ahead. Beaumont Hospital, 2022 May 12, Royal Oak, MI.

Smith S, Powell K, Reddy B Jr, Lopez-Espina C, Schmalz L, Bhargava A, et al, **[Halalau A, Maddens N, Davila F, Davila, H]**. Developing accurate prognostics for sepsis. Michigan Infectious Disease Society Annual Meeting, 2022 Apr. Virtual.

Sta Maria IMP, Tullio J, Mahalingam V, Abukhaled J, Garlapaty V. Hidden in plain sight: An unusual presentation of extrapulmonary sarcoidosis. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Strubchevska K, Kozyk M, Nadeau B. Case of leptospirosis in urban settings with perplex clinical presentation. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Tennant T, Dalal B. Diabetic ketoacidosis precipitated by COVID-19 induced acute pancreatitis. American College of Physicians, Internal Medicine Meeting, 2022 Apr 28-20, Chicago, IL.

Tennant T, Dalal B. Diabetic ketoacidosis precipitated by COVID-19 induced acute pancreatitis. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Thapa B, Karki UJ, Ghimire B, Pokharel A, **Niroula S**, Chisti MM. A case of pancreatic squamous cell cancer. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Waheed M, Mando R, **Michel A, Halalau A.** Prediabetes as a risk factor for major adverse cardiovascular events. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Wang K, **Aggarwal N, Ghandour MH**, Finazzo N, **Berghea R.** Carotid artery dissection: A curious case of embolic stroke with failure of direct oral anticoagulants. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Williams S. Precision population health: Genetics screening in primary care. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Willias VF, **Afonso NM.** Patient perceptions of their health care teams and preferences for making decisions regarding medical care. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Xin V, Shah A, Bozyk P. A case of pulmonary Langerhans cell histiocytosis. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Yusufani R. Lupus nephritis. Beaumont Health Medical Grand Rounds Lecture Presentation, 2022 Jan 26, Royal Oak, MI.

Zakaria A, Tullio J, Maddens N, Halalau A. Standardizing ambulatory blood pressure measurement. Beaumont Health 50th Annual Resident & Fellow Research Forum, 2022 Apr 28, Royal Oak, MI.

Zimmer M, Alakhras H, Misra D, Aguinaga S. AML: A real pain in the sacrum. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Multimedia:

Gilpin N, Shajahan A. **Skrzynski J.** The COVID-19: Looking ahead episode. Beaumont HouseCall Podcast. Michigan: Beaumont Health, 2022 Apr 13.

<https://www.youtube.com/watch?v=BeOrtbh215o>.

Gilpin N, **Skrzynski J.** The COVID-19 update: Summer 2022 episode. Beaumont HouseCall Podcast. Michigan: Beaumont Health, 2022 Apr 13.

<https://www.youtube.com/watch?v=tMDfo2VwxXY>.

GERIATRICS

Peer-Reviewed Publications:

Bahado-Singh RO, *Radhakrishna U, Gordevičius J, Aydas B, Yilmaz A, Jafar F, et al, **[Imam K]**. Artificial intelligence and circulating cell-free DNA methylation profiling: Mechanism and detection of Alzheimer's disease. *Cells*. 2022 May 25;11(11):1744. doi:10.3390/cells11111744. PMID:35681440.

Huang C, Sharma A, Thakur R, Rai D, Katiki M, Germano JF, et al, **[Sengstock D]**. Asporin, an extracellular matrix protein, is a beneficial regulator of cardiac remodeling. *Matrix Biol*. 2022 Jun;110:40-59. doi:10.1016/j.matbio.2022.04.005. PMID:35470068.

Meza JP, Yee NH. From the editor: Understanding how social determinants of health are integrated within clinical decision science. *Clin Res Prac*. Oct 17 2022;8(1):eP3274.

<https://doi.org/10.22237/crp/1665964860>.

Invited Presentations:

Biedny S. Post-operative delirium. Medical Grand Rounds Lecture Presentation, 2022 Jun 8, Beaumont Hospital, Royal Oak, MI.

Imam K. Dementia: Updates on medications and management. Outpatient Family Medicine and Internal Medicine Department Meeting, 2022 Jun 14, Beaumont Hospital, Troy, MI.

Ruff S. Choosing wisely in the care of the elderly. Medical Grand Rounds Lecture Presentation, 2022 Aug 24, Beaumont Hospital, Royal Oak, MI.

Saiyed N, Yilmaz A, Vishweswaraiah S, Maiti AK, Ustun I, Bartolone S, et al, **[Imam K, Ruff S, Pai A]**. Urinary cytokines as potential biomarkers of mild cognitive impairment and Alzheimer's disease: A pilot study. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Sengstock D. Geriatric assessment. Psychiatry Grand Rounds Lecture Presentation, 2022 Jun 22, Beaumont Hospital, Dearborn, MI.

Sengstock D. Stroke simulation improves acute stroke management – A systems-based practice experience. Psychiatry Grand Rounds Lecture Presentation, 2022 Jan 26, Beaumont Hospital, Dearborn, MI.

HEMATOLOGY/ONCOLOGY

Peer-Reviewed Publications:

Antonios B, Karki U, Antonios K, Ghimire B, **Chisti MM**. Development of Merkel cell carcinoma in a patient receiving rituximab. *Case Rep Oncol Med*. 2022 Nov 3;2022:1814338. doi:10.1155/2022/1814338. PMID:36394062.

Anusim N, Ghimire B, Smalley M, **Jaiyesimi I**, **Gaikazian S**. Safety and efficacy of apixaban and rivaroxaban in obese patients with acute venous thrombosis/embolism. *Eur J Haematol*. 2022 Oct;109(4):409-412. doi:10.1111/ejh.3817. 2022 Jul 13. PMID:35739626.

Bell HN, Kumar-Sinha C, Mannan R, Zakalik D, Zhang Y, Mehra R, et al, **[Jagtap D]**. Pathogenic ATM and BAP1 germline mutations in a case of early-onset, familial sarcomatoid renal cancer. *Cold Spring Harb Mol Case Stud*. 2022 Apr 28;8(3):a006203. doi:10.1101/mcs.a006203. PMID:35483881.

Chisti MM. Chronic lymphocytic leukemia (cll). *Medscape*. 2022 Feb 8:
<https://emedicine.medscape.com/article/199313-overview>.

Desai NV, **Zakalik D**, Somerfield MR, Tung NM. Q and A: A new standard of care for germline brca1 and/or brca2 mutation carriers with early-stage breast cancer. *JCO Oncol Pract*. 2022 Jun;18(6):427-429. doi:10.1200/OP.21.00770. PMID:34995080.

Ghimire B, Hamajima Y, Carbajal-Carballo L, **Anusim N**. Chalazion in a patient with multiple myeloma treated with bortezomib. *BMJ Case Rep*. 2022 Dec 7;15(12):e251077. doi:10.1136/bcr-2022-251077. PMID:36593601.

Ghimire B, Herrman E, Karki U, **Chisti MM**. Use of circulating tumour DNA in nasopharyngeal carcinoma to detect minimal residual disease. *BMJ Case Rep*. 2022 Jun 24;15(6):e251196. doi:10.1136/bcr-2022-251196. PMID:35750431.

Ghimire B, Pokharel A, Karki U, Thapa S, **Chisti MM**. Anaplastic lymphoma kinase (ALK) positive neuroendocrine tumor of lung with favorable response to alectinib (ALK Inhibitor). *Clin Lung Cancer*. 2022 Dec 26:S1525-7304(22)00298-4. doi:10.1016/j.clcc.2022.12.004. PMID:36690569.

Gupta R, Gupta S, Antonios B, Ghimire B, **Jindal V**, Deol J, et al, **[Gaikazian S, Huben M, Anderson J, Stender M, Jaiyesimi I]**. Therapeutic landscape of advanced HER2-positive breast cancer in 2022. *Med Oncol*. 2022 Oct 12;39(12):258. doi:10.1007/s12032-022-01849-y. PMID:36224475.

Gupta R, Mumaw D, Antonios B, **Anusim N**, Dhulipalla SP, **Stender M**, et al, **[Huben M, Jaiyesimi I]**. NUT midline lung cancer: A rare case report with literature review. *AME Case Rep*. 2022 Jan 25;6:2. doi:10.21037/acr-21-35. PMID:35128310.

Herrman E, Ghimire B, **Chisti MM**. Thrombotic thrombocytopenic purpura following administration of the moderna booster vaccine. *BMJ Case Rep*. 2022 Mar 24;15(3):e247576. doi:10.1136/bcr-2021-247576. PMID:35332007.

Ionescu F, **Anusim N**, Zimmer M, **Jaiyesimi I**. Venous thromboembolism prophylaxis in hospitalized sickle cell disease and sickle cell trait patients. *Eur J Haematol*. 2022 Sep;109(3):282-288. doi:10.1111/ejh.13807. PMID:35617049.

Jaiyesimi IA, Temin S, Singh N, ASCO expert panel. Therapy for stage IV non-small-cell lung cancer with and without driver alterations: ASCO living guidelines Q and A. *JCO Oncol Pract*. 2022 Aug 4:OP2200365. doi:10.1200/OP.22.00365. PMID:35926156.

Madanat L, **Gupta R**, Weber P, Kumar N, Chandra R, **Ahaneku H**, et al, [**Anderson J, Jaiyesimi I**]. Cardiotoxicity of biological therapies in cancer patients: An in-depth review. *Curr Cardiol Rev*. 2022 May 31. doi:10.2174/1573403X18666220531094800. PMID:35642110.

Melnick N, Pierce B. Lymphadenopathy secondary to tattoo ink in a patient with a history of Hodgkin lymphoma. *JAAPA*. 2022 Jan 1;35(1):29-32. doi:10.1097/01.JAA.0000769724.89266.43. PMID:34939587.

Miano DI, Cosgrove R, Sherman J, **Balaraman S**, Sherman M. Pembrolizumab-induced giant cell arteritis in the setting of urothelial carcinoma. *Neuro-Ophthalmology*. 2022 Aug 25:1-7.

Singh N, Temin S, Baker S Jr, Blanchard E, Brahmer JR, Celano P, et al, [**Jaiyesimi IA**]. Therapy for stage IV non-small-cell lung cancer with driver alterations: ASCO living guideline. *J Clin Oncol*. 2022 Oct 1;40(28):3310-3322. doi:10.1200/JCO.22.00824. PMID:35816666.

Singh N, Temin S, Baker S Jr, Blanchard E, Brahmer JR, Celano P, et al, [**Jaiyesimi IA**]. Therapy for stage IV non-small-cell lung cancer without driver alterations: ASCO living guideline. *J Clin Oncol*. 2022 Oct 1;40(28):3323-3343. doi:10.1200/JCO.22.00825. PMID:35816668.

Yadav SK, Silwal S, Yadav S, Krishnamoorthy G, **Chisti MM**. A systematic comparison of overall survival between men and women with triple negative breast cancer. *Clin Breast Cancer*. 2022 Feb;22(2):161-169. doi:10.1016/j.clbc.2021.07.001. PMID:34419351.

Published Abstracts:

Al-Banaa K, Herrman E, Antonios B, **Ahaneku H**, **Shrotriya S**, **Wang C**, et al, [**Ezekwudo D, Jaiyesimi IA**]. Assessing the rate of compliance with the revised sapporo/sydney criteria in diagnosing antiphospholipid syndrome: A multicenter retrospective analysis. *Blood* 2022;140 (Supplement 1):2795-2796.

Ali B, Herrman E, Huang J, **Chisti MM**. The effect of comorbidities and choice of treatment on overall survival in elderly patients with acute myeloid leukemia: A Beaumont experience. *Blood* 2022;140(Supplement 1):11707.

Ghimire B, Karki U, Herrman E, **Chisti MM**. Detection of progression or regression of gynecologic cancers by circulating tumor DNA (CTDNA). *Int J Gynecol Cancer* 2022 Dec 4;32(Suppl 3):A194-A195.

Ghimire B, Karki U, Herrman E, Pandey S, Antonios B, **Chisti MM**. How reliable is circulating tumor DNA in detecting disease progression or regression of non-colorectal gastrointestinal cancers. *Am J Gastroenterol*. 2022 Oct;117(10 Suppl):e241. doi:10.14309/01.ajg.0000857972.60639.ba.

Karki U, Ghimire B, Herrman E, **Chisti MM**. Serial monitoring of circulating tumor DNA (ctDNA) reliably detects progression and regression in lung cancer patients. *Int J Cancer Care Deliv*. 2022 Oct 6;2(Suppl 2). doi:10.53876/001c.38336.

Nagasaka M, Sugawara S, Choi CM, Okamoto T, Yanagitani N, Nosaki K, et al, [**Khoury J**]. TRUST-II: A global phase II study for taletrectinib in ROS1 fusion-positive lung cancer and other solid tumors. *J Clin Oncol*. 2022 Jun;40(16 Suppl):TPS8601-TPS8601

Pandey S, Rangarajan T, **Zakalik D**. Clinical characteristics of patients with PMS2 mutations. *J Clin Oncol*. 2022 Jun 1, 40(16 Suppl).

Invited Presentations:

Antonios B, **Chisti MM**. Refeeding a starved bone marrow! American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Antonios B, Herrman E, **Chisti MM**. Merkle cell carcinoma while on rituximab - is it a coincidence? American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Chisti MM. Exploring the immune system for cancer treatment. Medical Services Update Conference, 2022 Oct 25, Beaumont Hospital, Troy, MI.

Ghimire B, Pokharel A, Pandey S, Karki UJ, **Wang C, Stender M**. Hepatoid adenocarcinoma of lung: A rare and challenging tumor. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Herrman E, Antonios B, Zimmer M, Ghimire B, **Chisti MM**. Granular cell tumor of the breast - a breast malignancy mimicker. American College of Physicians Internal Medicine Meeting, 2022 Apr 28-30, Chicago, IL.

Karki,U, Ghimire B, Herrman E, Yadav S, **Chisti MM**. Detection of progression or regression of breast cancer by circulating tumor DNA (ctDNA), 2022 Dec 6, San Antonio, TX.

Rogers R, Rangarajan T, Uhley V, **Ivan K, Zakalik D**. Dietary supplement use among BRCA1/2 mutation carriers. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Seelbinder B, Kim A, Rosado M, Musheinesh M, Cimino A, Pui J, et al, **[Gordon C]**. A rare case of subcutaneous panniculitis-like T-cell lymphoma 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Thapa B, Kark UJ, Ghimire B, Pokharel A, Niroula S, **Chisti MM**. A case of pancreatic squamous cell cancer. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Zakalik D. Advances in cancer genetics & precision oncology. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Zakalik D. Hereditary cancers. Beaumont Health Gynecologic Oncology CME Dearborn, 2022 Oct 6, Dearborn, MI.

Zakalik D. Precision medicine in breast cancer. Innovations in Breast Cancer and Reconstruction, 2022 May 14, Bloomfield Hills, MI.

INFECTIOUS DISEASES

Peer-Reviewed Publications:

Bergin SP, Calvert SB, Farley J, Sun JL, Chiswell K, Dieperink W, et al, **[Sims MD]**. PROPHETIC EU: Prospective identification of pneumonia in hospitalized patients in the intensive care unit in European and United States cohorts. *Open Forum Infect Dis*. 2022 May 9;9(7):ofac231. doi:10.1093/ofid/ofac231. PMID:35836748.

Chastre J, François B, Bourgeois M, Komnos A, Ferrer R, Rahav G, et al, **[Sims MD]**. Safety, efficacy, and pharmacokinetics of gremubamab (MEDI3902), an anti-Pseudomonas aeruginosa bispecific human monoclonal antibody, in P. aeruginosa-colonised, mechanically ventilated intensive care unit patients: A randomised controlled trial. *Crit Care*. 2022 Nov 15;26(1):355. doi:10.1186/s13054-022-04204-9. PMID:36380312.

Cohen SH, Louie TJ, **Sims MD**, Wang EEL, Memisoglu A, McGovern BH, et al. Extended follow-up of microbiome therapeutic SER-109 through 24 weeks for recurrent Clostridioides difficile infection in a randomized clinical trial. *JAMA*. 2022 Nov 22;328(20):2062-2064. doi:10.1001/jama.2022.16476. PMID:36260754.

Diaczok B, Nair GB, Lin CH, Paxton JH, Abbas AE, Barkley G, et al, **[Sims MD]**. Evolution of prescribing practices and outcomes in the COVID-19 pandemic in metropolitan areas. *Infez Med*. 2022 Mar 1;30(1):86-95. doi:10.53854/liim-3001-10. PMID:35350268.

Feuerstadt P, Louie TJ, Lashner B, Wang EEL, Diao L, Bryant JA, et al, **[Sims MD]**. SER-109, an oral microbiome therapy for recurrent clostridioides difficile infection. *N Engl J Med*. 2022 Jan 20;386(3):220-229. doi:10.1056/NEJMoa2106516. PMID:35045228.

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Khanna S, **Sims MD**, Louie TJ, Fischer M, LaPlante K, Allegretti J, et al. SER-109: An oral investigational microbiome therapeutic for patients with recurrent clostridioides difficile Infection (rCDI). *Antibiotics (Basel)*. 2022 Sep 10;11(9):1234. doi:10.3390/antibiotics11091234. PMID:36140013.

Madanat L, Sager M, O'Connor D, Thapa B, Aggarwal N, Ghimire B, et al, **[Sims MD]**. Prognostic value of SARS-CoV-2 anti-RBD IgG antibody quantitation on clinical outcomes in hospitalized COVID-19 patients. *Int J Gen Med*. 2022 Jun 18;15:5693-5700. doi:10.2147/IJGM.S370080. PMID:35755860.

Pancholi P, Relich RF, Chandrasekaran S, Dunn JJ, Granato PA, Harrington AT, et al, **[Sims MD]**. Multicenter evaluation of the simplexa VZV direct assay for detection of varicella-zoster virus in cerebrospinal fluid and lesion-swab specimens. *J Clin Microbiol*. 2022 Apr 20;60(4):e0235521. doi:10.1128/jcm.02355-21. PMID:35285727.

Pancholi P, Relich RF, Chandrasekaran S, Dunn JJ, Granato PA, Harrington AT, et al, **[Sims MD]**. Erratum for pancholi et al. "multicenter evaluation of the simplexa VZV direct assay for detection of varicella-zoster virus in cerebrospinal fluid and lesion-swab specimens". J Clin Microbiol. 2022 May 18;60(5):e0052722. doi:10.1128/jcm.00527-22 2022 Apr 25 and Erratum for: J Clin Microbiol. 2022 Apr 20;60(4):e0235521. PMID:35465725.

Santiago-Mujika E, Heinrich K, George S, Capan CD, Forton C, Madaj Z, et al, **[Sims MD]**. Increased levels of circulating neurotoxic metabolites in patients with mild Covid19. bioRxiv. 2022 Jun 22: 2022-06.

Schaffzin JK, Murthy ARK, Deloney VM, **Mathew TA**, Pettigrew E, Pettis AM, et al. A guide to implementing COVID-19 vaccine as a condition of employment in healthcare facilities. Infect Control Hosp Epidemiol. 2022 Nov;43(11):1753-1754. doi:10.1017/ice.2021.405. PMID:34538288.

Swaminathan L, Kaatz S, Chubb H, Tae K, Ramesh MS, Fadel R, et al, **[Big C]**. Impact of early corticosteroids on preventing clinical deterioration in non-critically ill patients hospitalized with COVID-19: A multi-hospital cohort study. Infect Dis Ther. 2022 Apr;11(2):887-898. doi:10.1007/s40121-022-00615-x. PMID:35267172.

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Published Abstracts:

Han X, Lopez-Espina C, Vehoeft PA, Spicer A, Bhargava A, Schmalz L, et al, **[Sims MD]**. Clinical pathways leading to antibiotic initiation in patients with suspected infection and their association with delays and mortality. Am J Respir Crit Care Med. 2022 May 1;(Suppl):A2373. doi:10.1164/ajrccm-conference.2022.205.1_MeetingAbstracts.A2373.

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Ramirez R, **Sims MD**. 169. Combining DRIP score and rapid diagnostics for improved antibiotic stewardship. Open Forum Infectious Diseases. 2022 Dec, 9(Suppl 2):s131-s132. doi:10.1093/ofid/ofac492.247.

Spicer A, Verhoel PA, Lopez-Espina C, Bhargava A, Schmaltz L, **Sims MD**, et al. Identifying novel subphenotypes in COVID-19 using protein biomarkers. Am J Respir Crit Care Med 2022;205: A3436.

Invited Presentations:

Akram H, **Johnson P**, **Mathew TA**. Quality improvement study on human papilloma virus (HPV) vaccination uptake in HIV patients. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Amin A, **Sims MD**, Berenson C, Wang E, Pham S, Huang S, et al. Incidence of hospitalizations in ECOSPOR III, a phase 3, double-blind, randomized trial in patients with recurrent Clostridioides difficile infection. Society of Hospital Medicine Converge, 2022 Apr 7-10. Nashville, TN.

Chittick P. What's new in ID in 2022 (besides COVID). Medical Grand Rounds Lecture Presentation, 2022 May 25, Beaumont Hospital, Royal Oak, MI.

Fishbain J. Update in infectious disease and infection prevention. Family Medicine/Internal Medicine CME Series, 2022 Aug 8, Beaumont Hospital, Grosse Pointe, MI.

Gilpin N. Infectious diseases update: COVID year 3 and beyond. Practical and Progressive Updates in Primary Care Medicine, 2022 Apr 6. Virtual.

Malamet B, **Sims MD**. Resistance in gram-negative bacteria in the pediatric patient population by age and sex. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Mathew TA. IPC and ASP updates. Beaumont Health Case Conference, 2022 Dec 7, Taylor, MI.

Sims MD. Beaumont systemwide serology project. BSHS Research Summit 2022, Oct 21, 2022.

Sims MD. COVID-19 vaccine hesitancy: Debunking the myths and misinformation. Pediatric Grand Rounds Lecture Presentation, Feb 2022, Beaumont Hospital, Royal Oak, MI.

Sims MD. Microbiome therapeutics. Beyond probiotics Internal Medicine Grand Rounds Lecture Presentation, Jul 6, 2022, Beaumont Hospital, Royal Oak, MI.

Sims MD. SARS-CoV-2 immunization/therapeutics. The Michigan Chapter of the American College of Physicians 2022 Oct 13-16, Bellaire MI.

Sims MD. COVID vaccine hesitancy in health care workers. South East Michigan Center for Medical Education Hot Topics Lecture Series. Jan 2022. Virtual.

Smith S, Powell K, Reddy B Jr, Lopez-Espina C, Schmalz L, Bhargava A, et al, [**Sims MD**]. Developing accurate prognostics for sepsis. Michigan Infectious Disease Society Annual Meeting, 2022 Apr. Virtual.

Sunstrum J. HIV in women with cancer. Beaumont Health Gynecologic Oncology CME Dearborn, 2022 May 5, Dearborn, MI.

Szatkowski A, **Bai V**, **Sims MD**. Relatedness of urinary Escherichia coli strains and connection between strain type and clinical presentation. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Szela J. Care of the pneumonia patient. Nurse Professional Development Day, 2022 Oct 5. Virtual.

Szela J. Community acquired pneumonia. Medical Services Update Conference, 2022 Jun 28, Beaumont Hospital, Troy, MI.

Multimedia:

Erb R, Wilkinson M, Hamed M, **Sims MD**. How do we navigate the pandemic moving forward? Bridge Lunch Break. 2022 Apr 27. <https://youtu.be/SFZkBbskCel>.

Gilpin N, Bozyk P, Pipta J. The sepsis episode. Beaumont HouseCall Podcast. Michigan: Beaumont Health, 2022 Apr 13. https://www.youtube.com/watch?v=gATPi_Md8rl.

Gilpin N, Shajahan, A. Skrzynski, J. The COVID-19: Looking ahead episode. Beaumont HouseCall Podcast. Michigan: Beaumont Health, 2022 Apr 13. <https://www.youtube.com/watch?v=BeOrtbh215o>.

Gilpin N, Skrzynski J. The COVID-19 update: Summer 2022 episode. Beaumont HouseCall Podcast. Michigan: Beaumont Health, 2022 Apr 13.

<https://www.youtube.com/watch?v=tMDfo2VwxXY>.

Gilpin N, Sims MD. The Monkeypox: What we now know episode. Beaumont HouseCall Podcast. Michigan: Beaumont Health, 2022 Apr 13. <https://www.youtube.com/watch?v=DI8rvRWsk1M>.

NEPHROLOGY

Peer-Reviewed Publications:

Abukhaled J, Balinski AM. Benign pheochromocytoma presenting with recurrent spells and negative biochemical screening. *BMJ Case Rep.* 2022 Aug 26;15(8):e251113. doi:10.1136/bcr-2022-251113. PMID:36028241.

Al-Othman YA, **Kroneman O**, Kumar S, Li W, Kanaan HD, Liu ML, et al. Resolving primary membranous glomerulopathy (MGN) reveals a dynamically metabolic pathway from sub-epithelium to glomerular basement membranes. *Ultrastruct Pathol.* 2022 Jan 2;46(1):122-129. doi:10.1080/01913123.2022.2035876. PMID:35109758.

Bajpai D, Willows JK, **Topf JM**, Hiremath S. User-generated social media content in knowledge dissemination. *Kidney Int.* 2022 Dec;102(6):1428-1429. doi:10.1016/j.kint.2022.09.019. PMID:36411022.

Kumar S, Al-Othman Y, **Zarouk S**, Zhang PL, Qu Z. Type 2 mixed monoclonal IgM and polyclonal IgG cryoglobulinemia can be associated with concurrent renal and intestinal thrombosis: Case report. *Human Pathology Reports* 2022;27:300605. doi:10.1016/j.hpr.2022.300605.

Mnkana W, Wong N, EL-Sawalhy E, Abdelrahim A, Gaith H, Ping Z, et al, **[Bazzi, R]**. Pauci-immune crescentic glomerulonephritis: Case report. *American Journal of Medical Case Reports* 2022;10(3):45-47. doi:10.12691/ajmcr-10-3-1.

Shankar M, Trinidad C, Tannor EK, Hiremath S, **Topf JM**. Balanced solutions versus saline to reduce AKI: A #NephJC editorial on the BaSICS trial. *Kidney Med.* 2022 Apr 29;4(6):100472. doi:10.1016/j.xkme.2022.100472. PMID:35620080.

Shimamura Y, Turk M, Qader MA, Shah S, **Topf JM**, Hiremath S. Potassium-enriched salt to lower stroke risk: A #NephJC editorial on the SSaSS study. *Kidney Med.* 2022 Jul;4(7):100489. doi:10.1016/j.xkme.2022.100489. PMID:35801189

Tantisattamo E, Hamiduzzaman A, Sohn P, Ahdoot R, Hanna RM. Reconciling systolic blood pressure intervention trial with eighth joint national commission: A nuanced view of optimal hypertension control in the chronic kidney disease population. *Curr Opin Nephrol Hypertens.* 2022 Jan 1;31(1):57-62. doi:10.1097/MNH.0000000000000759. PMID:34750334.

Tantisattamo E, Hanna RM, Kalantar-Zadeh K. Editorial: Novel therapeutic approaches in chronic kidney disease and kidney transplantation: The draw of evolving integrated multimodal approaches in the targeted therapy era. *Curr Opin Nephrol Hypertens.* 2022 Jan 1;31(1):1-5. doi:10.1097/MNH.0000000000000758. PMID:34846310.

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Tantisattamo E, Maggiore U. Returning to dialysis after kidney allograft loss: Conflicting survival benefit beyond transplant-naïve maintenance dialysis patients. *J Nephrol.* 2022 Jan;35(1):91-94. doi:10.1007/s40620-021-01084-0. PMID:34129192.

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Thorburn CA, **Samarapungavan D**, Kanaan HD, Cohn S, Jabbar KJ, Li W, et al, , **[Patel PJ, Putchakayala K]**. Focal segmental glomerulosclerosis (FSGS) progressing to collapsing glomerulopathy in renal transplant recipients with and without COVID-19 infection. *Transplant Proc*. 2022 Jul-Aug;54(6):1465-1470. doi:10.1016/j.transproceed.2022.02.010. PMID:35341587.

Topf J, Wooldridge T, McCafferty K, Schömig M, Csiky B, Zwiech R, et al. Efficacy of difelikefalin for the treatment of moderate to severe pruritus in hemodialysis patients: Pooled analysis of KALM-1 and KALM-2 phase 3 studies. *Kidney Med*. 2022 Jun 28;4(8):100512. doi:10.1016/j.xkme.2022.100512. PMID:36016762.

Zhang PL, **Blatt NB**, Kanaan HD, **Wickman LT**. Most arginase-1 positive cells are likely injured S3 proximal tubular cells carrying upregulated phagocytotic capacity rather than M2 macrophages-too many to be true. *J Am Soc Nephrol*. 2022 Nov;33(11):2123-2124. doi:10.1681/ASN.2022070761. PMID:36316093.

Published Abstracts:

Mahalingam V, **Abukhaled J**, Zhang PL. Lysozyme-induced nephropathy secondary to chronic myelomonocytic leukemia. *Arch Pathol Lab Med*. 2022 Sep;146(9):e94-e95. doi:10.5858/arpa.2022-0231-AB.

Rastogi A, **Topf JM**, Schaufler T, Morin I, Menzaghi F, Wen W, et al. Impact of difelikefalin on 5D-itch domains in patients with CKD-associated pruritus. *J Am Soc Nephrol*. 2022;33(Abstract Suppl):682-683.

Sardarli K, Daboul R, Khanal S, **Zarouk S**. HIV-associated nephropathy presenting as the first manifestation of HIV-2 infection. *Am J Kidney Dis*. 2022 Apr;79(4 Suppl 2):S59.
<https://doi.org/10.1053/j.ajkd.2022.01.198>.

Sardarli K, Morris AM, **Abukhaled J**. Dual paraneoplastic syndrome in small lung cancer. *J Am Soc Nephrol*. 2022;33(Abstract Suppl):736.

Teakell JM, Rosolowska A, Hiremath S, Sparks MA, Lerma EV, **Topf JM**, et al. #AskRenal: Use of an automated Twitter account to crowdsource nephrology queries. *J Am Soc Nephrol*. 2022;33(Abstract Suppl):15.

Invited Presentations:

Abukhaled J. Nephrology. Beaumont Health Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Dec 6, Royal Oak, MI.

Biederman J. New developments in nephrology care. Beaumont Health Symposium for Primary Care Medicine, 2022 Nov 4-5, Novi, MI.

Mercier K. Hypertension management: Case studies and guidelines. Beaumont Health Symposium for Primary Care Medicine, 2022 Nov 4-5, Novi, MI.

Pokharel A, Li W, Kanaan HD, Zhang PL, **Blatt NB**. Minimal change disease secondary to either COVID-19 infection or Pfizer-BioNTech COVID-19 vaccination. Annual Meeting of the American Society for Clinical Pathology, 2022 Sep 7-9, Chicago, IL.

Sardarli K, Daboul R, Khanal S, **Zarouk S**. HIV-associated nephropathy presenting as the first manifestation of HIV 2 infection. National Kidney Foundation Spring Clinical Meeting, 2022 Apr 6-10, Boston, MA.

Sardarli K, Morris A, **AbuKhaled J**. Dual paraneoplastic syndrome in small cell lung cancer. American Society of Nephrology Annual meeting, 2022 Nov 3-6, Orlando, FL.

Sta Maria IMP, Tullio J, Mahalingam V, **Abukhaled J, Garlapaty V**. Hidden in plain sight: An unusual presentation of extrapulmonary sarcoidosis. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Swami A. Chronic kidney disease. Beaumont Health Practical and Progressive Updates in Primary Care Medicine, 2022 Apr 6. Virtual.

NEUROLOGY

Peer-Reviewed Publications:

Cascardo C, **Ismail A**, Fullmer J, Davila F. Anti-NMDA receptor encephalitis with initial negative markers: Diagnostic and therapeutic challenges of a refractory case with 9-month-long follow-up. *BMJ Case Rep.* 2022 Jun 28;15(6):e249126. doi:10.1136/bcr-2022-249126. PMID:35764337.

Elman L, Youn B, Proud CM, Frey MR, Ajroud-Driss S, **McCormick ME**, et al. Real-world adherence to nusinersen in adults with spinal muscular atrophy in the US: A multi-site chart review study. *J Neuromuscul Dis.* 2022;9(5):655-660. doi:10.3233/JND-210768. PMID:36031906.

McKnight D, Morales A, Hatchell KE, Bristow SL, Bonkowsky JL, Perry MS, et al, **[Nolan DA]**. Genetic testing to inform epilepsy treatment management from an international study of clinical practice. *JAMA Neurol.* 2022 Dec 1;79(12):1267-1276. doi:10.1001/jamaneurol.2022.3651. PMID:36315135.

Pennell PB, Karanam A, Meador KJ, Gerard E, Kalayjian L, Penovich P, et al, **[Zillgitt A]**. Antiseizure medication concentrations during pregnancy: Results from the Maternal Outcomes and Neurodevelopmental Effects of Antiepileptic Drugs (MONEAD) study. *JAMA Neurol.* 2022 Apr 1;79(4):370-379. doi:10.1001/jamaneurol.2021.5487. PMID:35157004.

Sharma J, Joshi R, **Al-Hakim MM**, Wang AM. An unusual case of non-traumatic perilymphatic fistula with acute presentation. *Clin Neuroradiol.* 2022 Mar;32(1):299-301. doi:10.1007/s00062-021-01038-w. PMID:34104976.

Zillgitt A, Haykal MA, Elisevich K, Patra S, Sherburn F, Bowyer SM, et al. Magnetoencephalography-identified preictal spiking correlates to preictal spiking on stereotactic EEG. *Epilepsy Behav Rep.* 2022 Mar 24;19:100538. doi:10.1016/j.ebr.2022.100538. PMID:35573060.

Zillgitt AJ, Haykal MA, Chehab A, Staudt MD. Centromedian thalamic neuromodulation for the treatment of idiopathic generalized epilepsy. *Front Hum Neurosci.* 2022 Aug 3;16:907716. doi:10.3389/fnhum.2022.907716. PMID:35992953.

Invited Presentations:

Al-Hakim MM. Transient global amnesia. Michigan Society of Electrodiagnostic Technologists (MSET) Annual Fall Conference, 2022 Sep 24, Troy, MI.

Aymen L. Headache management for the PCP. Neurology for the Primary Care Provider, 2022 Oct 28, Troy, MI.

Baki N. Clinically relevant issues with women in epilepsy. Neurology Grand Rounds Lecture Presentation, 2022 Oct 27, Royal Oak, MI.

Cascardo C, **Ismail A**, Marijanovich N, Davila F. 9-month course of refractory anti-NMDA receptor encephalitis with initial negative markers: Diagnostic and therapeutic challenges. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Doty J, Fellows J. A rare case of autoimmune glial fibrillary acidic protein astrocytopathy. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Fellows J. Adult dementia. Neurology for the Primary Care Provider, 2022 Oct 28, Troy, MI.

Fellows J. Dementia. Beaumont Health Symposium for Primary Care Medicine, 2022 Nov 4, Novi, MI.

Green D. Neurologic complications of cancer. NORO - Neurology Osteopathic Residency Organization, Michigan State University, 2022 Aug 5. Virtual.

Green D. Status epilepticus. NORO - Neurology Osteopathic Residency Organization, Michigan State University, 2022 Aug 5. Virtual.

Grysiewicz R. Advanced imaging for determination of treatment eligibility for ischemic stroke. Stroke Lunch and Learn Series, 2022 May 5. Virtual.

Grysiewicz R. Pre-hospital stroke symptoms of care and FAST-ED study. Stroke Lunch and Learn Series, 2022 May 12. Virtual.

Grysiewicz R. Stroke discussion with Q & A. Neurology for the Primary Care Provider, 2022 Oct 28, Troy, MI.

Haykal M. Seizure semiology. Michigan Society of Electrodiagnostic Technologists (MSET) Annual Fall Conference, 2022 Sep 24, Troy, MI.

Haykal MA. Primary care management of seizures. Neurology for the Primary Care Provider 2022, Troy MI, 2022 Oct 28.

Klein S, Wallace A, Zelenka D, **Nass J.** Stroke teams: Can an emergency room team provide quicker door-to-needle times than a neurology team? 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Kojan S. Multiple sclerosis-identification and treatment options. Neurology for the Primary Care Provider, 2022 Oct 28, Troy, MI.

Kuhlman A. Movement disorders. Neurology for the Primary Care Provider, 2022 Oct 28, Troy, MI.

Manasseh A, Guider H, Bondy B, Patra S, Burdette D, Haykal MA, et al, [Baki N Parres C, Zillgitt A]. Responsive neurostimulation (RNS) of the centromedian nucleus of the thalamus for the treatment of drug resistant idiopathic generalized epilepsy. American Epilepsy Society Annual Meeting, 2022 Dec 5, Orlando, FL.

Menkes DL. Adult neuromuscular. Neurology for the Primary Care Provider, 2022 Oct 28, Troy, MI.

Menkes DL. EMG case discussions. Practical Approach to Electromyography and Neuromuscular Disorders Conference, Boston University School of Medicine, 2022 Oct 14-16, Boston, MA.

Menkes DL. Evoked potentials in the era of MRI. Michigan Society of Electrodiagnostic Technologists (MSET) Annual Fall Conference, 2022 Sep 24, Troy, MI.

Menkes DL. Guillain Barre syndrome. Practical Approach to Electromyography and Neuromuscular Disorders Conference, Boston University School of Medicine, 2022 Oct 14-16, Boston, MA.

Menkes DL. Integrating EMG/NCVs into clinical practice. American Clinical Neurophysiology Society Annual Meeting, 2022 Jan 26-30. Virtual.

Menkes DL. The clinical neurophysiology of COVID-19. Neurology Grand Rounds Lecture Presentation, 2022 Aug 25, Beaumont Hospital, Royal Oak, MI.

Menkes DL. Update on the Guillain Barre Syndrome. Neurology Grand Rounds Lecture Presentation, 2022 Jan 8, Louisiana State University. Virtual.

Singer D. Primary care approaches to headaches. Beaumont Health Symposium for Primary Care Medicine, 2022 Nov 4, Novi, MI.

Vieder B, Olen N, Boudouris W, Pierce R. Inflammatory myositis and Myasthenia Gravis overlap syndrome. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Young E. Stroke: Prevention and management. Practical and Progressive Updates in Primary Care Medicine, 2022 Apr 6. Virtual.

Zaituna D, Manasseh A, Pierce R. Isolated bilateral cerebellar restriction diffusion: An atypical presentation of Wernicke's encephalopathy. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Zillgitt A, Sumida A, Kirsch H. Adult clinical MEG cases. American Clinical Magnetoencephalography Society Annual Course, 2022 May6-7. Virtual.

Zillgitt A. 2022 Annual MEG course. American Clinical Magnetoencephalography Annual Course, 2022 May6-7. Virtual.

Zillgitt A. Clinical magnetencephalography in epilepsy. Michigan Society of Electrodiagnostic Technologists (MSET) Annual Fall Conference, 2022 Sep 24, Troy, MI.

Zillgitt A. Hidden temporal lobe epilepsy. Sharp Minds-Southeast Michigan Epilepsy Consortium, 2022 Oct, Novi, MI.

Zillgitt A. In general, we need more options - neuromodulation in idiopathic (genetic) generalized epilepsy. American Osteopathic Board of Neurology and Psychiatry/American Clinical Neuropsychiatrists Spring Meeting, 2022 Mar. Virtual.

Zillgitt A. Potential new clinical indications. American Clinical Magnetoencephalography Society (ACMEGS) Annual Meeting, 2022 May 20. Virtual.

Zillgitt A. The journey to the basement: The importance of magnetoencephalography (MEG) in the epilepsy presurgical evaluation. Beaumont Health Medical Grand Rounds Lecture Presentation, 2022 Jul 27, Royal Oak, MI.

NUTRITION AND PREVENTIVE MEDICINE

Peer-Reviewed Publications:

Lupher V, Lynch A, **Zalesin KC**. Health, weight loss, and surgery beliefs: Why patients choose to undergo bariatric surgery and what influences their choice of surgery procedure. *Bariatr Surg Pract Patient Care*. 2021 Mar 2022;17(1):2-8. doi:10.1089/bar.2020.0111.

Lynch A, Kozak AT, **Zalesin KC**. The stomach I have now has a brain connection: Changes in experiences of hunger and fullness following bariatric surgery. *Appetite*. 2022 Dec 1;179:106271. doi:10.1016/j.appet.2022.106271. PMID:35940336.

Invited Presentations:

Miller W. Obesity management. Beaumont Health Outpatient Family Medicine and Internal Medicine Department Meeting, 2022 May 10, Troy, MI.

Miller W. New approaches in managing obesity. Beaumont Health Practical Update in Cardiology, Troy, MI, 2022 Sep 24.

Spicer P, **Miller W**, **Ziegler K**, Graham S. Association of gut metabolomic biomarkers with sleeve gastrectomy weight-loss outcomes. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

PULMONARY AND CRITICAL CARE MEDICINE

Peer-Reviewed Publications:

Cartin-Ceba R, Khatua B, El-Kurdi B, Trivedi S, Kostenko S, Imam Z, et al, **[Nair GB]**. Evidence showing lipotoxicity worsens outcomes in COVID-19 patients and insights about the underlying mechanisms. *iScience*. 2022 May 20;25(5):104322. doi:10.1016/j.isci.2022.104322. PMID:35502320.

Diaczok B, **Nair GB**, Lin CH, Paxton JH, Abbas AE, Barkley G, et al. Evolution of prescribing practices and outcomes in the COVID-19 pandemic in metropolitan areas. *Infez Med*. 2022 Mar 1;30(1):86-95. doi:10.53854/liim-3001-10. PMID:35350268.

Hess AL, Halalau A, Dokter JJ, Paydawy TS, Karabon P, Bastani A, et al, **[Galens SA]**. High-dose intravenous vitamin C decreases rates of mechanical ventilation and cardiac arrest in severe COVID-19. *Intern Emerg Med*. 2022 Sep;17(6):1759-1768. doi:10.1007/s11739-022-02954-6. PMID:35349005.

Kingrey JF, Zhou CY, **Dalal B**, Elwing JM. Expert provider survey of longitudinal assessment in patients with pulmonary arterial hypertension. *Heart Lung*. 2022 Nov 10;58:34-38. doi:10.1016/j.hrtlng.2022.10.016. PMID:36372061.

Lee Y, Jehangir Q, Li P, Gudimella D, Mahale P, Lin CH, et al, **[Nair GB]**. Venous thromboembolism in COVID-19 patients and prediction model: A multicenter cohort study. *BMC Infect Dis*. 2022 May 13;22(1):462. doi:10.1186/s12879-022-07421-3. PMID:35562677.

Lee Y, Jehangir Q, Lin CH, Li P, Sule AA, Poisson L, et al, **[Nair GB]**. 3D-PAST: Risk assessment model for predicting venous thromboembolism in COVID-19. *J Clin Med*. 2022 Jul 7;11(14):3949. doi:10.3390/jcm11143949. PMID:35887713.

Li P, Lee Y, Jehangir Q, Lin CH, Krishnamoorthy G, Sule AA, et al, **[Nair GB]**. SARS-COV-ATE risk assessment model for arterial thromboembolism in COVID-19. *Sci Rep*. 2022 Sep 28;12(1):16176. doi:10.1038/s41598-022-18510-3. PMID:36171201.

Luther VP, Winger DA, Lai CJ, Dao A, Garcia MM, Harper W, et al, **[Dalal B]**. Emerging from the pandemic: AAIM recommendations for internal medicine residency and fellowship interview standards. *Am J Med*. 2022 Jul 9;135(10):1267–72. doi:10.1016/j.amjmed.2022.07.001. PMID:35820460.

Medepalli K, **Purdon S**, Bade RM, Glassberg MK, Burnham EL, Gershengorn HB. Association of women leaders with women program director and trainee representation across US academic internal medicine. *J Gen Intern Med*. 2022 May 23:1–10. doi:10.1007/s11606-022-07635-w. PMID:35604632.

Sargent T, Kolderman N, **Nair GB**, Jankowski M, Al-Katib S. Factors influencing the total procedure time of CT-guided percutaneous core-needle biopsies of lung nodules: A retrospective analysis. *Diagn Interv Radiol*. 2022 Jul;28(4):337-343. doi:10.5152/dir.2022.20731. PMID:35950278.

Sargent T, Kolderman N, **Nair GB**, Jankowski M, Al-Katib S. Risk factors for pneumothorax development following CT-guided core lung nodule biopsy. *J Bronchology Interv Pulmonol*. 2022 Jul 1;29(3):198-205. doi:10.1097/LBR.0000000000000816. PMID:34654044.

Book or Chapter:

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Published Abstracts:

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Invited Presentations:

Allen S. Chronic thromboembolic disease. 24th Annual Beaumont Health Medical Staff Symposium, 2022 Jun 16-18, Boyne Falls, MI.

Bozyk P. Sepsis. Medical Grand Rounds Lecture Presentation, 2022 Oct 26, Beaumont Hospital, Royal Oak, MI.

Dalal B. Case-based approach to common respiratory symptoms. Practical and Progressive Updates in Primary Care Medicine, 2022 Apr 6. Virtual.

Gomez Rojas OR, **Naeem E**, Ionescu F, *Castillo E, **Nair GB.** A study to compare baseline functional residual capacity and forced vital capacity as a predictor of mortality and hospitalization in a cohort of mild to moderate interstitial lung disease. American Thoracic Society 2022 International Conference, 2022 May 13-18, San Francisco, CA.

Heal K. Updates in COPD and asthma. Beaumont Health Symposium for Primary Care Medicine, 2022 Nov 4, Novi, MI.

Keena D. Lung cancer screening overview and update. Medical Grand Rounds Lecture Presentation, 2022 May 4, Beaumont Hospital, Royal Oak, MI.

Mina N. Updates in sleep medicine. Medical Grand Rounds Lecture Presentation, 2022 Feb 2, Beaumont Hospital, Royal Oak, MI.

Nair GB. Beaumont quantitative lung function imaging. 11th Annual Oakland University William Beaumont School of Medicine Davidson Medical Education Week, 2022 May 16-20. Virtual.

Sager M. **Calvo-Ayala E.** Pulmonary rehabilitation in COVID-19 survivors: A single center experience. American College of Physicians Internal Medicine Meeting, 2022 Apr 28-30, Chicago, IL.

Tennant T, **Dalal B.** Diabetic ketoacidosis precipitated by COVID-19 induced acute pancreatitis. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Xin V, Shah A, **Bozyk P.** A case of pulmonary Langerhans cell histiocytosis. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Multimedia:

Gilpin, NE, **Bozyk P**, Pipta J. The sepsis episode. Beaumont HouseCall Podcast. Michigan: Beaumont Health, 2022 Apr 13. https://www.youtube.com/watch?v=gATPi_Md8rl.

NURSING

Peer-Reviewed Publications:

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***Grant SM**. Meaningful recognition for nurse managers. *J Nurs Adm*. 2022 Mar 1;52(3):127-128. doi:10.1097/NNA.0000000000001117. PMID:35179139.

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Vollstedt A, Tennyson L, Turner K, **Hasenau D**, Saon M, **McCartney T**, et al. Evidence for early cyclosporine treatment for Hunner lesion interstitial cystitis. *Female Pelvic Med Reconstr Surg*. 2022 Jan 1;28(1):e1-e5. doi:10.1097/SPV.0000000000001108. PMID:34608034.

Book or Chapter:

Burt SM, Osborne JC. Medical management and cancer treatments. In: Doherty DJ, Wilson CM, Boright LE (eds.) *Oncology rehabilitation: A comprehensive guidebook for clinicians*. Elsevier, 2022, p85-106.

Paul JC. Transitioning evidence to practice. In: Schmidt NA, Brown JM, editors. *Evidence-based practice for nurses: Appraisal and application of research*. 5th ed. Burlington MA, Jones & Bartlett, 2022:469-493.

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Blodgett E, **Oltean A**, **Rahmani K**, **Wong N**, **Garcia S**, **McDade B**. Making our bed: WOC nurse-led initiative to replace aging hospital beds to decrease pressure injuries. *J Wound Ostomy Continence Nurs*. 2022 May-Jun;49(3 Suppl):S65-S66.

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Easton RW, Easton M, Papakonstantinou NS, Vibert B, Ahlgren B, Lipphardt M, et al, **[Pestano C]**. Incidence, risk factors and clinical outcomes of cervical hematoma: An analysis from the Michigan Spine Surgery Improvement Collaborative registry. *Spine J*. 2022 Sep;22(9 Suppl):S141-S142. doi:10.1016/j.spinee.2022.07.071

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Manasseh A, Guider H, Bondy B, Patra S, Burdette D, Haykal A, et al, **[Terrell A]**. Responsive neurostimulation (RNS) of the centromedian nucleus of the thalamus for the treatment of drug resistant idiopathic generalized epilepsy. American Epilepsy Society Annual Meeting, 2022 Dec 5, Orlando, FL.

Pendergrast RA, Rosette M, Genter K, Veltigian S. Ostomy through the ages: Creating WOC interventions in response to age-related barriers to ostomy independence and self-care. *J Wound Ostomy Continence Nurs.* 2022 May-Jun;49(3 Suppl):S50.

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Stoia-Davis J, Colwell J, Emodi K, Fellows J, Gray M, Mahoney M, et al, **[McDade B]**. Survey of clinical practice in the postoperative period: Assessing the use of a convex pouching system. *J Wound Ostomy Continence Nurs.* 2022 May-Jun;49(3 Suppl) :S68.

Thomas G, Tom A, **Swartz K**, Studzinski DM, Callahan RE, Iacco M. Screening for post-traumatic stress disorder in ECMO survivors. Beaumont Health 50th Annual Residents and Fellows Research Forum, 2022 Apr 28, Royal Oak, MI.

Williams C, Beaver C, **Cook C**. Auditing: Does it increase fall compliance? *Oncol Nurs Forum.* 2022 Mar;49(2):33.

Invited Presentations:

Cameron-Camasco L, Murany K, **Lustig H**. Caring for geriatric patients. 23rd Annual Contemporary Issues in Trauma Nursing, 2022 Oct 7, Beaumont Health, Royal Oak, MI

Caskey B, Jones SC, **Berry S, Harris H**, Donaldson D, Bastani A. Evaluation of implementing team strategies and tools to enhance performance and patient safety' in a community emergency department. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Donovan A, Schaeffer A, Carter-Najar J, Langdon E, **Leonard D, McGraw L**, et al. Improving effective postoperative management for bariatric patients in a suburban clinic in Michigan. Gerontological Advanced Practice Nurses Association 2022 Annual Conference. 2022 Sep 15-17. Orlando FL.

Easton RW, Smith G, Lipphardt M, Silvasi D, Papakonstantinou N, *Chen NW, et al, **[Vander Beek S]**. Eras vs non-eras: A hospital performance metrics comparison in patients undergoing spinal fusion. 2022 Annual Congress of Enhanced Recovery and Perioperative Medicine, 2022 May 11-13, Baltimore, MA.

Harvey R, Studzinski DM, **England A**, Morden R, Novotny N, Stallion A, et al. Let them play: A prospective study of postoperative activity restrictions in children. American Pediatric Surgical Association Annual Meeting (APSA), 2022 May 15;San Diego, CA.

Hope J, ***Carr A**. Human trafficking: Screening, assessment & resources. Beaumont Health Continuing Medical Education Enduring Webinar Series, 2022 Nov 17.

Koujane R, Drogowski M, Abou-Alaiwi A, Newson J, **McNally V**, *Chen NW, et al. Discharging low-risk pulmonary embolism from an emergency room. Circulation: Cardiovascular Quality and Outcomes. 2022 May;15(Suppl_1):A256.

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Musto S. Concussion management-return to work, learn and play. Neurology for the Primary Care Provider, 2022 Oct 28, Troy, MI.

Pendergrast RA, Rosette M, Genter K, Veltigian S. Creating WOC interventions in response to age-related barriers to ostomy independence and self-care. Wound, Ostomy and Continence Nurses Society WOCNext, 2022 Jun 5-8, Fort Worth, TX.

Salimnia T, Gandham NR, **Andriacchi M**, Dogra S. Fat-burner fiasco: Acute liver failure secondary to fat-burner supplements. Chest. 2022 Oct;162(4 Suppl):A777. doi:10.1016/j.chest.2022.08.613.

Smyth M, **Carr A**. Child abuse "look alikes" - screening and assessment. Beaumont Health Continuing Medical Education Enduring Webinar Series, 2022 Aug 31. Virtual.

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Paul JC. Learning about venous ulcer care with Dr. Julia Paul. Advances in Skin & Wound Care 2022 Oct, 35(10) [podcast] <https://journals.lww.com/aswcjournal/pages/podcastepisodes.aspx?Podcastid=1>.

OBSTETRICS AND GYNECOLOGY

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Alhousseini A, Romero R, Benshalom-Tirosh N, Gudicha D, Pacora P, Tirosh D, et al. Nonovert disseminated intravascular coagulation (DIC) in pregnancy: A new scoring system for the identification of patients at risk for obstetrical hemorrhage requiring blood product transfusion. *J Matern Fetal Neonatal Med.* 2022 Jan;35(2):242-257. doi:10.1080/14767058.2020.1716330. PMID:31931643.

Alhousseini A, Turkoglu O, Sajja S, Wharton K, Idler J, Bahado-Singh RO. Does maternal SARS-CoV-2 infection or SARS-CoV-2 vaccination trigger an inflammatory response in the fetus? A prospective cohort study. *Gynecol Obstet Invest.* 2022;87(3-4):219-225. doi:10.1159/000525625. 2022 Jun 21. PMID:35728583.

Baecher-Lind L, **Fleming AC**, Bhargava R, Cox SM, Everett EN, Forstein DA, et al. Enhancing interprofessional collaboration and interprofessional education in women's health. *Med Educ Online.* 2022 Dec;27(1):2107419. doi:10.1080/10872981.2022.2107419. PMID:35924355.

Bahado-Singh RO, Ibrahim A, **Al-Wahab Z**, Aydas B, ***Radhakrishna U**, Yilmaz A, et al. Precision gynecologic oncology: Circulating cell free DNA epigenomic analysis, artificial intelligence and the accurate detection of ovarian cancer. *Sci Rep.* 2022 Nov 3;12(1):18625. doi:10.1038/s41598-022-23149-1. PMID:36329159.

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Acosta-Torres S. Optimizing fertility sparing management of endometroid cancer and endometrial intraepithelial neoplasia. Beaumont Health OB/GYN Conference, 2022 Jan 27, Royal Oak, MI.

Asao T. Enhanced recovery after cesarean and other peri-operative pearls. Beaumont Health OB/GYN Conference, 2022 Feb 24, Royal Oak, MI.

Daram N, **Kaur S.** Identifying discrepancies in diagnosis of PCOS with use of different diagnostic criteria. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Ashrafi N, **Vishweswaraiah S, Yilmaz A, *Akyol S,** Gordevicius J, **Graham SF.** An epimetabolomics approach for studying epigenetic and metabolic changes in Alzheimer's disease brain. Metabolomics Association of North America (MANA) 4th Annual Conference, 2022 Sept 16-18, Edmonton, Alberta, Canada.

Graham SF. Neurodegenerative disease research at Beaumont. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Gutfreund R. Sick cell disease in pregnancy. Beaumont Health OB/GYN Conference, 2022 Mar 24, Royal Oak, MI.

Hasbini Y, Goyert G, Tarca A, Keerthy M, **Jones T,** Thiel L, et al, **[Sajja S, Bahado-Singh RO].** COVID-19 is associated with early emergence of preeclampsia: Results from a large regional collaborative. SMFM's 42nd Annual Pregnancy Meeting, 2022 Feb 4. Virtual.

Idler J. JI2) deep metabolomic analysis: The prediction of severe maternal and newborn complications in preeclampsia. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Ismailova I, Sokol R, Gudicha D, Hasbini Y, Tarca A, Green P, et al, **[Jones T, Sajja S, Bahado-Singh RO].** Racial disparities in risk for COVID-19 in pregnancy: Results from a larger regional collaborative. SMFM's 42nd Annual Pregnancy Meeting, 2022 Feb 4. Virtual.

Jafry S, **Mausi L.** Toxic: A black woman's story -- facilitating conversations surrounding bias, microaggressions, and health disparities. 11th Annual Oakland University William Beaumont School of Medicine Davidson Medical Education Week, 2021 May 16-20, Rochester, MI.

Kaur Brar V, **Kaur S.** Descriptive causes for decreased breast and cervical screenings in Sikh populations. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Mironov N. Post-Roe reversal, the new era of Dobbs: Why you should care about abortion access for your patients. Beaumont Health OB/GYN Conference, 2022 Dec 1, Royal Oak, MI.

Puder K. Perspectives on maternal mortality. Beaumont Health OB/GYN Conference, 2022 Jun 2, Royal Oak, MI.

Randall E, Taylor R, Becker S, **Alpay-Savasan Z.** VBAC success in women with diabetes mellitus types I + II: A pilot study. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Saad J, Franz P, Wharton K. Pelvic organ prolapse quantification system-teaching residents with a 3D model. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Saija S. Comparison of the performance of risk assessment tools in postpartum pharmacologic thromboprophylaxis. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Shah AA, Nierenberg L, **Alpay-Savasan Z.** Population-based evaluation of neonatal abstinence in southeast Michigan. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Stuart S. Anterior cervical area and maximal displacement index: Novel sonographic parameters for prediction of preterm birth. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Stuart S. Abortion education. Beaumont Health Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Aug 16, Royal Oak, MI.

Stuart S. Late preterm steroids: Review of current evidence. Beaumont Health OB/GYN Conference, 2022 May 5, Royal Oak, MI.

Thomas A. Optimizing pain control in gynecologic surgery. Beaumont Health OB/GYN Conference, 2022 Sep 22, Royal Oak, MI.

Trudell H. Effect of diet on pregnancy outcomes. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

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Vishweswaraiah S, **Friedman P, Talbot C,** Aydas B, Southehal S, Mishra NK, et al, **[*Radhakrishna U, Bahado-Singh RO].** cfDNA in maternal blood and artificial intelligence: Accurate prenatal detection of fetal congenital heart defects. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Wong SY, **Alpay-Savasan Z.** Effectiveness of prenatal screening tests on predicting cardiac anomalies. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Yilmaz A, Liraz-Zaltsman S, Shohami E, Gordevicius J, Sherman E, Bahado-Singh RO, et al, **[Graham S].** Mild and severe traumatic brain injury longitudinally profiled using high-resolution metabolomics. Metabolomics Association of North America (MANA) 4th Annual Conference, 2022 Sept 16-18, Edmonton, Alberta, Canada.

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Non-Peer Reviewed Publications:

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ORTHOPEDIC SURGERY

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***Baker KC, *Baker EA, Fortin PT, Vaupel ZM,** Loy BN. Influence of local chemokine delivery and postoperative peripheral blood mobilization on achilles tendon repair. *Foot Ankle Orthop.* 2022 Jan;7(1):2473011421S00103. doi:10.1177/2473011421S00103.

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Invited Presentations:

Ahlgren C, Maxwell M, Moore D. Surveillance of dual-mobility hip systems: Damage mode and clinical data analysis. Michigan Orthopaedic Society Annual Meeting, 2022 Jun 17-19, Mackinac Island, MI.

Astolfi M, Vasileff C, Hinkel BB, Bisoc J. QT and PT rupture radiographic measures. Michigan Orthopaedic Society Annual Meeting, 2022 Jun 17-19, Mackinac Island, MI.

Audet M. Osteoporosis is under-diagnosed and under-treated following fragility femoral neck and vertebral compression fractures. Michigan Orthopaedic Society Annual Meeting, 2022 Jun 17-19, Mackinac Island, MI.

Audet M. Short-term outcomes for nitinol stapes for internal fixation of the pubic symphysis. Michigan Orthopaedic Society Annual Meeting, 2022 Jun 17-19, Mackinac Island, MI.

Brossy K. Pelvic trauma: A high energy experience. Beaumont Health Trauma Concepts, 2022 May 10, Royal Oak, MI.

DeClercq M, **Runner R, Weisz K, Whaley JD, Moore D**. Health disparities associated with total joint arthroplasty: A report from the Michigan Arthroplasty Registry Collaborative Quality Initiative (MARCQI) total joint registry database. Michigan Orthopaedic Society Annual Meeting, 2022 Jun 17-19, Mackinac Island, MI.

Easton RW, Smith G, **Lipphardt M**, Silvasi D, **Papakonstantinou N**, *Chen NW, et al, **[Vibert B]**. ERAS vs non-ERAS: A hospital performance metrics comparison in patients undergoing spinal fusion. 2022 Annual Congress of Enhanced Recovery and Perioperative Medicine, 2022 May 11-13, Baltimore, MA.

Englert E. Pre-operative MRI delays surgery in pediatric patients with infectious atraumatic extremity pain. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Espiritu M, **Feng J, Vartanyan P, Moore D, Runner R, Karadsheh M**. Public perception of robotic assisted total hip replacement surgery. Michigan Orthopaedic Society Annual Meeting, 2022 Jun 17-19, Mackinac Island, MI.

Feng JE, Abdullah RM, **Vartanyan P, Alish H, Moore DD, Cavinatto LM**, et al, **[Hinckel BB]**. Public perceptions of orthopaedic surgeon diversity in residency selection using online crowdsourcing. American Association of Hip and Knee Surgeons Annual Meeting, 2022 Nov 3-6, Grapevine, TX.

Feng JE, Chen IZ, **Vartanyan P**, Espiritu M, **Karadsheh M**. Patient perception of outpatient ambulatory clinics and COVID-19 vaccines. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Fenkell B. Management of common upper extremity musculoskeletal complaints. Beaumont Health Outpatient Family Medicine and Internal Medicine Department Meeting - Troy, 2022 Apr 12, Troy, MI.

Fleischer M, Newton M, Hartner S, **Driscoll JA**, **Arveschoug A**, **Vasileff CC**, et al. Augmented immunomodulation of endogenous marrow-derived stem cells in the setting of ACL rupture. The Mid-America Orthopaedic Association 39th Annual Meeting, 2022 Apr 6-10, San Antonio, TX.

Flikkema K, **Brossy K**. Parsonage-Turner Syndrome after COVID-19 vaccination. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Grant K. Pelvic fractures and bleeding in the trauma patient. Beaumont Health 23rd Annual Contemporary Issues in Trauma Nursing, 2022 Oct 7, Troy, MI

Hafen T, **Feng J**, **Vartanyan P**, **Moore D**, **Runner R**, **Karadsheh M**. Assessing patient preferences for technology-assisted vs traditional total knee arthroplasty using a validated online survey marketplace: Before and after patient education. Michigan Orthopaedic Society Annual Meeting, 2022 Jun 17-19, Mackinac Island, MI.

Harley J, Baker E, Gehrke C, **Ciufo D**, **Vaupel Z**, **Fortin PT**. Applying the periprosthetic joint infection consensus definition to ankle implant-associated and infection-suspected procedures to assess diagnosis. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Hinckel BB, **Auch E**, Baumann CA, Andrade R, Espregueira-Mendes J, **Wiater JM**. Reverse shoulder arthroplasty versus superior capsular reconstruction for massive irreparable rotator cuff tear without shoulder arthritis: A meta-analysis. Michigan Orthopaedic Society Annual Meeting, 2022 Jun 16-19, Mackinac Island, MI.

Markel JF, **Driscoll JA**, Hughes R, **Verner J**, Zheng T, Halstrom B, et al. Causes of early hip revision vary by age and sex: Analysis of data from a statewide quality registry. Mid-America Orthopaedic Association 39th Annual Meeting, 2022 Apr 6-10, San Antonio, TX

Minnock C. Common sports medicine injuries. Beaumont Health Practical Pediatrics Fall, 2022 Nov 12. Virtual.

Penvose IR, Baker EA, **Wiater JM**, Gehrke CK, **Wright JO**, **Khatib ON**, Wiater BP. Evaluating taper junction fretting and corrosion in reverse total shoulder arthroplasty. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Randall D, **Koueiter D**, **Luczak B**, **Anderson K**. Acute post-operative pain following anterior cruciate ligament reconstruction: A comparison of patellar tendon vs hamstring autograft. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Runner R. Common hip pathologies and how to diagnose and treat. Beaumont Health Neurosurgery Grand Rounds, M and M, and Staff Conference, 2022 Aug 9, Royal Oak, MI.

Saleh E. Computed tomography-based analysis of subcutaneous fat as a predictor of wound complications in total hip arthroplasty. Beaumont Hospital, Royal Oak, Department of Orthopedic Surgery Senior Resident and Fellow Graduation Research Day, 2022 Jun 2, Royal Oak, MI.

Saleh E. Pediatric upper cervical spine trauma: A 10-year retrospective review at a pediatric trauma center. 7th annual Robert J. Lucas Surgical Society Research Symposium. Oakland University William Beaumont SOM, 2022 Feb 24, Rochester, MI.

Saleh E. Pre-operative MRI delays surgery in pediatric patients with infectious atraumatic extremity pain. Beaumont Health 50th Annual GME Resident and Fellow Research Forum, 2022 Apr 28, Royal Oak, MI.

Saleh E. The effects of the COVID-19 pandemic on pediatric orthopedic trauma, a single center retrospective study. 7th annual Robert J. Lucas Surgical Society Research Symposium. Michigan Orthopedic Society Scientific Meeting. 2022, Jun 18. Mackinac Island, MI.

Saleh E. Pediatric upper cervical spine trauma: A 10-Year retrospective review at a pediatric trauma center. 7th Annual Robert J. Lucas Surgical Society Research Symposium. Oakland University William Beaumont School of Medicine, 2022 Feb 24, Rochester, MI.

Saleh E. Pelvic fractures and associated urogenital injuries in children: A systematic review. Great Lakes Pediatric Research Conference at the Detroit Medical Center, 2022 Mar 18, Detroit, MI and at the Michigan Orthopedic Society Scientific Meeting. 2022 Jun 18, Mackinac Island, MI.

Sargent T, **Smith J**, Smith C, Krauss J, Jankowski M, **Wiater JM**. Defining functional shoulder range of motion in middle-aged to elderly populations to guide shoulder surgical treatment. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Shermetaro J, Gard J, Brossy K. Asymmetric bilateral hip dislocations with an associated unstable pelvic ring injury: A case report. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Smith G, Easton RW, Shah KB, Silvasi D, **Lipphardt M,** George J, et al, [**Vibert B, Ahlgren B, Papakonstantinou N**]. What is the incidence of QT prolongation and life-threatening arrhythmia following IV methadone administration in patients undergoing lumbar fusion? 2022 Annual Congress of Enhanced Recovery and Perioperative Medicine, 2022 May 11-13, Baltimore, MA

Suhrawardy A, Al-Katib S, Almsaddi T, Barremkala M, Fried S, **Moore D.** Imaging-based modules for musculoskeletal anatomy and pathology in preclinical education. Michigan Orthopaedic Society Annual Meeting, 2022 Jun 17-19, Mackinac Island, MI.

Tooley T, Maxwell M, Penvose I, **Koueiter D, Wiater JM.** Evaluating trunnion-taper fretting and corrosion damage in anatomic total shoulder and shoulder hemiarthroplasty prostheses: A retrieval study. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Valk J, Shermetaro J, Sosnoski D, Brossy K. An irreducible posterior shoulder fracture-dislocation: A case report. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Zakko P. Do cellular based allograft increase fusion potential in anterior cervical discectomy and fusion. Michigan Orthopaedics Society Annual Meeting, 2022 Jun 16-19, Mackinac Island, MI.

Zakko P. Shorter length of stay and increased return to work with cervical disc arthroplasty versus anterior cervical discectomy fusion. Society for Minimally Invasive Spine Surgery Annual Forum, 2022 Sep 29-Oct 1, Las Vegas, NV.

OPHTHALMOLOGY

Peer-Reviewed Publications:

Abdelrahman AA, Powell FL, Jadeja RN, Jones MA, Thounaojam MC, Bartoli M, et al, **[AI-Shabrawey M]**. Expression and activation of the ketone body receptor HCAR2/GPR109A promotes preservation of retinal endothelial cell barrier function. *Exp Eye Res.* 2022 Aug;221:109129. doi:10.1016/j.exer.2022.109129. PMID:35649469.

Al-Khaled T, Patel SN, Valikodath NG, Jonas KE, Ostmo S, Allozi R, et al, **[Drenser KA, Capone A]**. Characterization of errors in retinopathy of prematurity diagnosis by ophthalmologists-in-training in the United States and Canada. *J Pediatr Ophthalmol Strabismus.* 2022 Oct 20:1-7. doi:10.3928/01913913-20220609-01. PMID:36263935.

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Cheng OT, **Schlachter DM.** Teprotumumab in advanced reactivated thyroid eye disease. *Am J Ophthalmol Case Rep.* 2022 Mar 15;26:101484. doi:10.1016/j.ajoc.2022.101484. PMID:35321251.

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Book or Chapter:

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Published Abstracts:

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PATHOLOGY AND LABORATORY MEDICINE

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- Pokharel A, Li W.** Association of isolated colitis with nonsteroidal anti-inflammatory drug usage. *Arch Path Lab Med.* 2022 Sep;146(9):e3-e4. doi:10.5858/arpa.2022-0231-AB.
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- Thorburn C, Deebajah M,** Zhao K, **Qu Z.** A cost-conscious whole slide imaging system for teaching and teleconsultation in pathology. *Arch Pathol Lab Med.* 2022 Sep;146(9):e154. doi:10.5858/arpa.2022-0231-AB.
- Zhang PL, Kanaan DH.** Prevalence of allergic fungal sinusitis in nonspecific allergic sinusitis. *Histopathology.* 2022 Oct, 80(S1):111.
- Zhang PL, Qu Z.** Increased eosinophils in the muscularis propria of appendix may indicate early symptomatic appendicitis. *Histopathology.* 2022 Oct 1, 81(1S):64.
- Zhang PL.** Paneth cell-like granules in clear cell renal cell carcinomas are CD68 and lysozyme positive lysosomes. *Histopathology.* 2022 Oct, 80(Suppl 1):186.

Zhao Y, Kant S, Kesarwani P, Hubert C, Nakano I, **Fullmer J**, et al. Glioma organoid model phenotypically recapitulates key aspects of malignant transformation in glioblastoma. *Neuro-Oncology*. 2022 Nov;24(Suppl 7):vii291. doi:10.1093/neuonc/noac209.1130.

Invited Presentations:

Afolayan-Oloye O, Anderson J, Zhang PL. Eosinophils are a useful morphologic marker to scrutinize plasma cells in endometrial polyps. American Society for Clinical Pathology Annual Meeting, 2022 Sep 7-9, Chicago, IL.

Afolayan-Oloye O, Moore M, Li W, Kanaan HD, Zhang PL. Myeloperoxidase (MPO) immunostaining can identify endothelial injury of peritubular capillaries and glomeruli in renal antibody mediated rejection. United States & Canadian Academy of Pathology USCAP 11th Annual Meeting, 2022 Mar 19-24, Los Angeles, CA.

Afolayan-Oloye O, Zhao L, Tejasvi T, Chan MP, Harms PW, Fullen DR, et al. CD-30 expression in cutaneous B-cell lymphomas. American Society of Dermatopathology 59th ADP Annual Meeting, 2022 Oct 20-23, Chicago, IL.

***Anderson J, Li W, Kanaan H, Zhang PL.** Varieties of renal diseases identified in the renal biopsies from patients infected by COVID-19. College of American Pathologists 2022 Annual Meeting (CAP22), 2022 Oct 10, New Orleans, LA.

***Anderson JD, Fatemi S, Fullmer J, Zhang PL.** Acute pericarditis and acute pleuritis/empyema following submandibular infection in a COVID-19 positive patient - an autopsy revealing the danger space of the neck. College of American Pathologists 2022 Annual Meeting (CAP22), 2022 Oct 8-11, New Orleans, LA.

Boyer D, Perry A, **Wey E**, Hsueh J, Zhang W, Song J. Fibrin-associated diffuse large B-cell lymphoma shows frequent mutations related to immune surveillance and PTEN. Lymphoma Symposium Session VII EAHP22-ABS-1615 European Association for Haematopathology-Society for Hematopathology 21st Meeting, 2022 Sep 21, Florence Italy.

Deebajah M, Li W, Kanaan H, Zhang PL. Spectrum of C3 glomerulopathies (C3GNs) – single center experience. College of American Pathologists 2022 Annual Meeting (CAP22), 2022 Oct 10, New Orleans, LA.

Elzienny M, Li W, Kanaan HD, Zhang PL. IgG4-related nephritis ranges from kidney mass to acute kidney injury. College of American Pathologists 2022 Annual Meeting (CAP22), 2022 Oct 10, New Orleans, LA.

Fatemi S, Qu E, Fullmer J. Anti-NMDA-receptor encephalitis in a patient with ovarian teratoma, harboring brain histology of varying developmental stages. 98th Annual Meeting of the American Association of Neuropathologists (AANP), 2022 Jun 9-12, Bonita Springs, FL.

Fullmer J. Introduction to muscle biopsy pathology and recent cases of interest. Beaumont Health Neurology Grand Rounds Lecture Presentation, 2022 Apr 28, Royal Oak, MI.

Mahalingam VD, Alassi OM. Cystic granulomatous neutrophilic mastitis. Case report. Michigan Society of Pathologists 2022 Annual Spring Meeting, 2022 May 8, Troy, MI.

Mahalingam VD, Moesch JR. Disseminated cutaneous nodules presenting in a patient secondary to anti-pd-I1 therapy for metastatic malignant melanoma. American Society of Dermatopathology 59th Annual Meeting, 2022 Oct 20-23, Chicago, IL.

Maine GN. Pre-transplant immunological evaluations. Henry Ford Transplant Institute Grand Rounds Lecture Presentation, 2022 Nov 14, Henry Ford Health, Detroit, MI

Metcalf B, Huang JZ, Li W, Kanaan H, Zhang PL. Final counts of monoclonal gammopathy of renal significance (MGRS) after bone marrow biopsies (BMB) and follow-up. American Society of Dermatopathology 59th Annual Meeting, 2022 Mar 21, Los Angeles, CA.

Moore MR, **Afolayan-Oloye O, Li W, Kanaan HD, Zhang PL.** Proteinuria in thrombotic microangiopathy (TMA) can be associated with adaptive partial podocytopathy with focal podocyte hyperplasia. American Society of Dermatopathology 59th Annual Meeting, 2022 Mar 23, Los Angeles, CA.

Nguyen A, **Gupta A, Smith M, Huang J.** Identification of aggressive variants of mantle cell lymphoma based on flow cytometry. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Ortiz DA. Monkeypox. University of Texas Medical Branch Pathology Grand Rounds Lecture Presentation, 2022 Sep 26. Virtual.

Ortiz DA. Role of a clinical laboratory director. Wayne State University Department of Biochemistry, Microbiology & Immunology Retreat 2022 Oct 14, Wayne State University, Detroit, MI.

Ortiz DN. New and emerging technology in clinical diagnostics. South Central Association of Clinical Microbiology (SCACM) Michigan Fall Meeting, 2022 Sep 15: Lansing Community College, Lansing MI.

Pokharel A, Li W, Kanaan HD, Zhang PL, Blatt NB. Minimal change disease secondary to either COVID-19 infection or Pfizer-BioNTech COVID-19 vaccination. Annual Meeting of the American Society for Clinical Pathology, 2022 Sep 7-9, Chicago, IL.

Pokharel A, Li W. Association of isolated colitis with non-steroidal anti-inflammatory drugs usage. College of American Pathologists 2022 Annual Meeting (CAP22), 2022 Oct 8-11, New Orleans, LA.

Pokharel A, Reinhold L, **Pokharel A,** Bateman J. A rare case of segmental arterial mediolysis. American College of Physicians Michigan Chapter Residents Day / Medical Students Day, 2022 May 13, Dearborn, MI.

Rusli P, **Huang J.** CSF flow cytometry in patients with leukemia and lymphoma. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Seelbinder B, Kim A, Rosado M, Musheiness M, Cimino A, **[Pui J],** et al. A rare case of subcutaneous panniculitis-like T-cell lymphoma. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Sta Maria IMP, Tullio J, **Mahalingam V,** Abukhaled J, Garlapaty V. Hidden in plain sight: An unusual presentation of extrapulmonary sarcoidosis. American College of Physicians Michigan Chapter Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Sun Q, Mallika Krishnan S, Walewski K, **Tang NY.** Reducing excessive delta checks: A large retrospective study. AACC Preanalytical Phase Conference, Reducing Errors and Improving Quality in the Preanalytical Phase: The role of the Laboratory, Jun 3-4, 2022, Alexandria, VA.

Tang NY. Reducing specimen rejection rates using concentration-dependent hemolysis rejection thresholds. AACC Preanalytical Phase Conference, Reducing Errors and Improving Quality in the Preanalytical Phase: The role of the Laboratory, Jun 3-4, 2022, Alexandria, VA.

Thapa B, Kark UJ, Ghimire B, **Pokharel A,** Niroula S, Chisti MM. A case of pancreatic squamous cell cancer. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Vadpey O, **Maine G**. Characterization of the clinical impact of a celiac disease algorithm on diagnostic workup of patients at Beaumont Hospital Royal Oak. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Yan Wu MK, **Chen X, Huang J**. Characterization of CD57+ T-cell subset in blood, bone marrow, and lymphoid tissue. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Non-Peer Reviewed Publications:

Hansen K, Rizvi Z, LaCasse A, **Pui J**. DermDx: Rash on arms, knees, and back. Clinical Advisor. 2022 Jun 21. Accessed May 5, 2022. <https://www.clinicaladvisor.com/slideshow/derm-dx/rash-arms-knees-back-eruptive-xanthomas/>.

PEDIATRIC SERVICES

Peer-Reviewed Publications:

Alslaim HS, Chan J, **Saleem-Rasheed F**, Ibrahim Y, Karabon P, Novotny N. Discordance among belief, practice, and the literature in infection prevention in the NICU. *Children (Basel)*. 2022 Apr 1;9(4):492. doi:10.3390/children9040492. PMID:35455536.

Barrow JM, Brannan GD, **Khandhar PB**. Research ethics. 2022 Sep 18. Treasure Island, FL. StatPearls Publishing, PMID:29083578.

Barrow JM, **Khandhar PB**. Deontology. 2022 Oct 19. Treasure Island, FL. StatPearls Publishing, PMID:29083671.

Basu RK, Bjornstad EC, Gist KM, Starr M, **Khandhar PB**, Chanchlani R, et al. Acute kidney injury in critically ill children and young adults with suspected SARS-CoV2 infection. *Pediatr Res*. 2022 Jun;91(7):1787-1796. doi:10.1038/s41390-021-01667-4. PMID:34331019.

Bhalala US, Gist KM, Tripathi S, Boman K, Kumar VK, Retford L, et al, **[Khandhar PB]**. Characterization and outcomes of hospitalized children with coronavirus disease 2019: A report from a multicenter, viral infection and respiratory illness universal study (coronavirus disease 2019) registry. *Crit Care Med*. 2022 Jan 1;50(1):e40-e51. doi:10.1097/CCM.0000000000005232. PMID:34387240.

Bjornstad EC, Cutter G, Guru P, Menon S, Aldana I, House S, et al, **[Khandhar PB]**. SARS-CoV-2 infection increases risk of acute kidney injury in a bimodal age distribution. *BMC Nephrol*. 2022 Feb 11;23(1):63. doi:10.1186/s12882-022-02681-2. PMID:35144572.

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David S, **Khandhar PB**. Double-blind study. 2022 Jul 18. Treasure Island, FL. StatPearls Publishing, PMID:31536248.

Ernest S, **Khandhar PB**. Laryngotracheobronchitis. 2022 Jun 27. Treasure Island, FL. StatPearls Publishing, PMID:30137816.

Gisondo C, **Lawrence C**, Cham P, Weiner G, Vartanian RJ, Ellsworth L. An Observational time study of neonatal intensive care unit multidisciplinary rounds. *Am J Perinatol*. 2022 Oct 28. doi:10.1055/a-1933-7137. PMID:36041467.

Gorsi HS, Toll SA, Sood S, Miler S, Altinok D, Kumar-Sinha C, et al, **[Yankelevich M]**. Ongoing response in a multiply relapsed metastatic posterior fossa ependymoma A after vorinostat and concomitant irradiation. *J Pediatr Hematol Oncol*. 2022 Mar 1;44(2):e576-e579. doi:10.1097/MPH.0000000000002175. PMID:33930008.

Gupta N, Settle L, Brown BR, Armaignac DL, Baram M, Perkins NE, et al, **[Khandhar PB]**. Association of renin angiotensin aldosterone system inhibitors and outcomes of hospitalized patients with COVID-19. *Crit Care Med*. 2022 Oct 1;50(10):e744-e758. doi:10.1097/CCM.0000000000005627. PMID:35894609.

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Jinna S, **Khandhar PB**. Hydroxyurea toxicity. 2022 May 1. Treasure Island, FL. StatPearls Publishing, PMID:30725894.

Jinna S, **Khandhar PB**. Thrombocytopenia. 2022 Jul 5. Treasure Island, FL. StatPearls Publishing, PMID:31194365.

Kalra RK, Jayadeep S, Ball AL. Acute pancreatitis in an adolescent following COVID vaccination. *Clin Pediatr (Phila)*. 2022 Mar;61(3):236-240. doi:10.1177/00099228211067678. PMID:35081801.

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Theis SR, **Khandhar PB**. Pseudohyponatremia. 2022 May 1. Treasure Island, FL. StatPearls Publishing, PMID:31985988.

Trang A, **Khandhar PB**. Physiology, acetylcholinesterase. 2022 May 8. Treasure Island, FL. StatPearls Publishing, PMID:30969557.

Tripathi S, Nadiger M, McGarvey JS, Harthan AA, Lombardo M, Gharpure VP, et al, **[Khandhar PB]**. Association of early steroid administration with outcomes of children hospitalized for COVID-19 without multisystem inflammatory syndrome in children. *JAMA Pediatr*. 2022 Oct 3:e223611. doi:10.1001/jamapediatrics.2022.3611. PMID:36190706.

Watchko JF, **Maisels MJ**. Exchange transfusion in Rh haemolytic disease. *Vox Sang*. 2022 Jan;117(1):146. doi:10.1111/vox.13120. PMID:34111304.

Watchko JF, **Maisels MJ**. Management of severe hyperbilirubinemia in the cholestatic neonate: A review and an approach. *J Perinatol*. 2022 Jun;42(6):695-701. doi:10.1038/s41372-022-01330-8. PMID:35145210.

Zhang PL, **Blatt NB**, Kanaan HD, **Wickman LT**. Most arginase-1 positive cells are likely injured S3 proximal tubular cells carrying upregulated phagocytotic capacity rather than M2 macrophages-too many to be true. *J Am Soc Nephrol*. 2022 Nov;33(11):2123-2124. doi:10.1681/ASN.2022070761. PMID:36316093.

Published Abstracts:

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Bobosky K, Menoch MJA, **Shubeck S**, **Scheid A**, **Gebara B**. The effect of physical distancing on pediatric health system volumes. *Acad Emerg Med* 2022 May;29(S1):S394.

Cascardo C, Kazyak K, Bohr M, Amin M, **Gebara S**, ***Freij BJ**. Postnatal cytomegalovirus infection as a potential trigger for very early onset Crohn's disease in an immunocompetent infant. *Am J Gastroenterol*. 2022 Oct;117(10 Suppl):e2125-e2126. doi:10.14309/01.ajg.0000870060.81770.40.

Gosal J, **Menoch MJA**, Minnock W. Decreasing lab turnaround time of COVID-19 polymerase chain reaction swabs in the emergency department. *Acad Emerg Med* 2022 May;29(S1):S307.

Pokharel A, Li W, Kanaan HD, Zhang PL, **Blatt NB**. Minimal change disease secondary to either COVID-19 infection or Pfizer-BioNTech COVID-19 vaccination. *Am J Clin Pathol*. 2022 Nov;158(Suppl 1):S154. doi:10.1093/ajcp/aaqac126.327.

Invited Presentations:

Abdo D, Rogers R, Edlibi S, **Pollak A**, **Shubeck S**, **Mychaliska K**. Pediatric obesity: A survey study of patients and caregivers' concern and interest in specialized programs. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Arndt D. Pediatric epilepsy. Michigan Society of Electrodiagnostic Technologists (MSET) Annual Fall Conference, 2022 Sep 24, Troy, MI.

Ayas M. Gut microbiome, a new frontier in understanding and managing gastrointestinal diseases. Pediatrics Grand Rounds & QI Conference, 2022 Apr 4, Beaumont Hospital, Royal Oak, MI.

Ball A, **Sahai S**. More at the bedside. 11th Annual Oakland University William Beaumont School of Medicine Davidson Medical Education Week, 2022 May 16. Virtual.

Ball A. Health equity rounds: An infant who fell. Pediatrics Grand Rounds & QI Conference, 2022 Nov 15, Beaumont Hospital, Royal Oak, MI.

Campbell S. The state of pediatric genetics. Practical Pediatrics Fall, 2022 Nov 12. Virtual.

Denenberg M. ER-when to come in and when to stay home & state level & local response to COVID. Practical Pediatrics, 2022 May 7. Virtual.

Denenberg M. Safety culture transformation - authority gradients. Pediatrics Grand Rounds & QI Conference, 2022 May 3, Beaumont Hospital, Royal Oak, MI.

***Freij BJ**, Robinson-Dunn BE, Schlievert PM. Detection of enterotoxin gene cluster in *Staphylococcus epidermidis* recovered from neonatal liver abscess. American Society for Microbiology ASM Microbe 2022, Washington, D.C., 2022 Jun 9-13.

Freij JB, ***Freij BJ**. Vampirism for the microbiologist. American Society for Microbiology ASM Microbe, 2022 Jun 9-13, Washington, D.C.

Gonzalez Rangel I. Cardiovascular clearance for sports participation. Practical Pediatrics Fall, 2022 Nov 12. Virtual.

Harper-Shankie M. Coordination of care in the pediatric neuromuscular patient. Neurology for the Primary Care Provider, 2022 Oct 28, Troy, MI.

Hashmi A, **Pollak A, Ludwig L, Mychaliska K, Rubenstein M, Adeyemo O**, et al, **[Shubeck S]**. Effect of SARS-COV2 on adolescent PHQ-9 screening result. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Indu J. Update on asthma for pediatrics. Practical Pediatrics Fall, 2022 Nov 12. Virtual.

Jayakumar M, **Hendershot L, Warner L**, Grogan JF. Development of verbal behavior in early, intensive behavioral therapy for autism spectrum disorder. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Kaiser K. Contemporary approach to acute immune thrombocytopenia. Practical Pediatrics Fall, 2022 Nov 12. Virtual.

Kalra R. Periodic fever syndromes in children. Pediatrics Grand Rounds & QI Conference, 2022 Mar 29, Beaumont Hospital, Royal Oak, MI.

Krasan G. "Thanks Doc, but I will do my own research" - childhood vaccine hesitancy in the COVID era. 24th Annual Beaumont Health Medical Staff Symposium, 2022 Jun 16-18, Boyne Falls, MI.

Krasan G. Updates in ID in relation to COVID. Practical Pediatrics Spring, 2022 May 7. Virtual.

Krishnaparasadh D, **Samburg M**, Fawaz L, Grant S, **Menoch MJA**. ConstiPatED: Evaluation in the pediatric ED-practice patterns and trends amongst provider types. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Laditan M, Kalra R, Reed L, **Khandar P**. Nasopharyngeal swabs gone wrong: An unexpected complication of a common procedure. Pediatric Critical Care Colloquium 27th PCCC. 2022 Oct 21-23, Sacramento, CA.

Lee J, Maiden M. Antibiotic stewardship in pediatrics. 11th Annual Oakland University William Beaumont School of Medicine Davidson Medical Education Week, 2022 May 19. Virtual.

Maiden M. Better antibiotic selections in children (BASiC) at Beaumont Children's Hospital, an American Academy of Pediatrics initiative. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Marks A. Are they sick or is it just allergies? Practical Pediatrics Fall, 2022 Nov 12. Virtual.

Mellos G. Depression and anxiety through COVID. Practical Pediatrics Spring, 2022 May 7. Virtual.

Mellos G. Psychodynamic development of psychic structure. Psychiatry Grand Rounds Lecture Presentation, 2022 May 4, Beaumont Hospital, Dearborn, MI.

Naseem A, Al-Hadidi A, Lapkus M, Karabon P, Akay B, **Khandar P**. Factors influencing reintubation in self extubated pediatric intensive care unit patients. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Obeid R. Updates in neonatal seizures. Pediatrics Grand Rounds & QI Conference, 2022 Oct 4, Beaumont Hospital, Royal Oak, MI.

Obeid R. Neonatal EEG. Michigan Society of Electrodiagnostic Technologists (MSET) Annual Fall Conference, 2022 Sep 24, Troy, MI.

Patel M. Overview of sleep problems in adults and children. Neurology for the Primary Care Provider, 2022 Oct 28, Troy, MI.

Sahai S. Clinical reasoning. Pediatrics Grand Rounds & QI Conference, 2022 Jun 14, Beaumont Hospital, Royal Oak, MI.

Schober M. Enuresis. Outpatient Family Medicine and Internal Medicine Department Meeting, 2022 Sept 13, Beaumont Hospital, Troy, MI.

Schober M. Undescended testis and scrotal emergencies. Practical Pediatrics Fall, 2022 Nov 12. Virtual.

Smyth M, Carr A. Child abuse "look alikes" - screening and assessment. Beaumont Health Continuing Medical Education Enduring Webinar Series, 2022 Aug 31. Virtual.

Stryk S. Chronic rhinosinusitis with nasal polyps. Pediatrics Grand Rounds & QI Conference, 2022 Mar 8, Beaumont Hospital, Royal Oak, MI.

Surhigh J. Updates on pediatric diabetes. Practical Pediatrics Fall, 2022 Nov 12. Virtual.

Taylor J. Exacerbations of eating disorders since COVID. Practical Pediatrics Spring, 2022 May 7. Virtual.

Taylor J. Weight-neutral well-being. Weight-Neutral Well-being, 2022 Jun 9. Virtual.

Yankelevich M. Neurofibromatosis. Pediatrics Grand Rounds & QI Conference, 2022 Feb 22, Beaumont Hospital, Royal Oak, MI.

PHARMACEUTICAL SERVICES

Peer-Reviewed Publications:

Abbas M, Bakhtyar A, **Bazzi R**. Neonatal HIV. 2022 Sep 20. Treasure Island, FL. StatPearls Publishing, PMID:33351437.

Abbas M, Malicke DT, Schramski JT. Stroke anticoagulation. 2022 May 1. Treasure Island, FL. StatPearls Publishing, PMID:31751016.

Compagner CT, **Wysocki CR**, **Reich EK**, **Zimmerman LH**, **Holzhausen JM**. Intravenous metoprolol versus diltiazem for atrial fibrillation with concomitant heart failure. *Am J Emerg Med*. 2022 Dec;62:49-54. doi:10.1016/j.ajem.2022.10.001. PMID:36252310.

Dabaja A, Dabaja A, **Abbas M**. Polyethylene glycol. 2022 May 12. Treasure Island, FL. StatPearls Publishing, PMID:32491584.

Gallimore CE, **Kline E**. A survey of pharmacists in integrated care: Benefits, barriers, and facilitators of integration. *Fam Syst Health*. 2022 Nov 17. doi:10.1037/fsh0000753. PMID:36395051.

Giuliano C, Haan B, **Hanni C**, Ng TH, Yost R. Conducting multicenter residency research. *J Pharm Pract*. 2022 Jul 18:8971900221116191. doi:10.1177/08971900221116191. PMID:35848055.

Gupta A, Petty L, Gandhi T, Flanders S, **Hsaiky L**, Basu T, et al. Overdiagnosis of urinary tract infection linked to overdiagnosis of pneumonia: A multihospital cohort study. *BMJ Qual Saf*. 2022 May;31(5):383-386. doi:10.1136/bmjqs-2021-013565. PMID:34987084.

Haymart B, Barnes GD, Kong X, **Ali MA**, Kline-Rogers E, DeCamillo D, et al. Comparison of patient outcomes before and after switching from warfarin to a direct oral anticoagulant based on time in therapeutic range guideline recommendations. *JAMA Netw Open*. 2022 Jul 1;5(7):e2222089. doi:10.1001/jamanetworkopen.2022.22089. PMID:35834255.

Hess AL, Halalau A, Dokter JJ, **Paydawy TS**, Karabon P, Bastani A, et al, **[Baker RE]**. High-dose intravenous vitamin C decreases rates of mechanical ventilation and cardiac arrest in severe COVID-19. *Intern Emerg Med*. 2022 Sep;17(6):1759-1768. doi:10.1007/s11739-022-02954-6. PMID:35349005.

Huynh DA, **Abbas M**, Dabaja A. Diphenhydramine toxicity. 2022 May 8. Treasure Island, FL. StatPearls Publishing, PMID:32491510.

Joyce E, Haymart B, Kong X, **Ali MA**, Carrigan M, Kaatz S, et al. Length of anticoagulation in provoked venous thromboembolism: A multicenter study of how real-world practice mirrors guideline recommendations. *J Am Heart Assoc*. 2022 Nov;11(21):e025471. doi:10.1161/JAHA.122.025471. PMID:36285782.

Lee J, Kong X, Haymart B, Kline-Rogers E, Kaatz S, Shah V, et al, **[Ali MA]**. Outcomes in patients undergoing periprocedural interruption of warfarin or direct oral anticoagulants. *J Thromb Haemost*. 2022 Nov;20(11):2571-2578. doi:10.1111/jth.15850. PMID:35962753.

Mayzel B, **Muench S**, **Lauster C**. Impact of pharmacist education on inhaler technique and adherence in an outpatient clinic. *Hosp Pharm*. 2022 Jun;57(3):402-407. doi:10.1177/00185787211046863. PMID:35615485.

McConachie SM, Hanni CM, Wilhelm SM. Deviant dosing: A post hoc analysis of pharmacist characteristics related to renal dosing decisions. *Ann Pharmacother.* 2022 Jan;56(1):65-72. doi:10.1177/10600280211016328. PMID:33969741.

Mohammad I, George J, Zimmerman J, Elteriefi R. Impact of ambulatory care pharmacist-led diabetes mellitus management on hemoglobin A1C values among patients with diabetes in a primary care clinic over two years. *Innov Pharm.* 2022 Dec 12;13(2):10.24926/iip.v13i2.4815. doi:10.24926/iip.v13i2.4815. PMID:36654698.

Mohammad I, Lobkovich A, Nardolillo J, Wilhelm S. Pharmacy student satisfaction and perceptions following a virtual sterile compounding experience. *Int J Pharm Compd.* 2022 Jan-Feb;26(1):10-17. PMID:35081039.

Roa PE, **Bazzi R.** Crushed bictegravir/emtricitabine/tenofovir alafenamide in a human immunodeficiency virus-positive patient with pancreatic cancer. *Int J STD AIDS.* 2022 Jan;33(1):97-98. doi:10.1177/09564624211048702. PMID:34787026.

Schaefer JK, Errickson J, Gu X, Alexandris-Souphis T, **Ali MA, Haymart B, et al.** Assessment of an intervention to reduce aspirin prescribing for patients receiving warfarin for anticoagulation. *JAMA Netw Open.* 2022 Sep 1;5(9):e2231973. doi:10.1001/jamanetworkopen.2022.31973. PMID:36121653.

Smythe MA, Burns C, Liu Q, Garwood CL. Potential dexamethasone-direct oral anticoagulant drug interaction: Is this a concern in COVID? *Ann Pharmacother.* 2022 Mar;56(3):319-329. doi:10.1177/10600280211025042. PMID:34137279.

Sobin MF, Ngo L, Lawrence DT, **Kirwen A.** Managing subarachnoid hemorrhage precipitated by anesthesia-assisted rapid opioid detoxification: A case report. *Clin Pract Cases Emerg Med.* 2022 Feb;6(1):25-28. doi:10.5811/cpcem.2021.9.53868. PMID:35226842.

Song M, Haymart B, Kong X, **Ali MA, Kaatz S, Kozlowski J, et al.** Association of adding antiplatelet therapy to warfarin for management of venous thromboembolism with bleeding and other adverse events. *Vasc Med.* 2022 Aug;27(4):382-384. doi:10.1177/1358863X221089333. PMID:35400235.

Swaminathan L, Kaatz S, Chubb H, Tae K, Ramesh MS, Fadel R, et al, **[Jones J]**. Impact of early corticosteroids on preventing clinical deterioration in non-critically ill patients hospitalized with COVID-19: A multi-hospital cohort study. *Infect Dis Ther.* 2022 Apr;11(2):887-898. doi:10.1007/s40121-022-00615-x. PMID:35267172.

Book or Chapter:

Goldsborough S. Bipolar disorder. In: Chilshom-Burns M, Schwinghammer T, Malone P, Kolesar J, Lee KC, Bookstaver PB, editors. *Pharmacology principles and practice.* 6th ed. New York:McGraw Hill, 2022. p.651-664.

Published Abstracts:

Kless S, Zimmernan LH, Kroneman O. Impact of soy-based versus composite lipid emulsion (soybean, medium chain triglycerides, olive and fish oil) in critically ill patients. *Journal of Parenteral and Enteral Nutrition (JPEN)* 2022;46:S100-S101. doi:10.1002/jpen.2345

Mathew TA, George J, **Yost CN, Deebajah M, Johnson PC, Huang J, et al.** 287. Procalcitonin and D-dimer levels at baseline, but not CRP, were informative of COVID-19 hospitalization outcomes. *Open Forum Infect Dis.* 2022 Dec 15;9(Suppl 2):ofac492.365. doi:10.1093/ofid/ofac492.365. PMID: PMC9752341.

Morgan G, Zimmerman LH, Messana E, Hanni C. 992: Comparative analysis of one- versus two-bag methods in the treatment of adult diabetic ketoacidosis. *Critical care medicine* 2022 Jan;50(1):493.

Ragsdale M, **Zimmerman LH, Messana E, Volgyi D.** Evaluation of vancomycin based on risk factors in emergent and critically ill patients. *Crit Care Med.* 2022 Jan;50(1):438. doi:10.1097/01.ccm.0000809864.79510.53.

Invited Presentations:

Bradley GR, Cadiz M, Natavio A. Impact of continuous infusion ketamine as sedation on concomitant opioid and sedative requirements in mechanically ventilated COVID-19 patients. ASHP Midyear 2022 Clinical Meeting & Exhibition, 2022 Dec 7, Las Vegas, NV.

Bratley A, Commons K, Natavio A. Levetiracetam for seizure prophylaxis in spontaneous intracerebral hemorrhage. ASHP Midyear 2022 Clinical Meeting & Exhibition, 2022 Dec 7, Las Vegas, NV.

Dezfuli C, Muench S, Lauster C. Pharmacist-provided educational intervention and its impact on medical resident knowledge and comfort level with continuous glucose monitors (CGMs). ASHP Midyear 2022 Clinical Meeting & Exhibition, 2022 Dec 7, Las Vegas, NV.

DiPietro S, Noskey K, Zoltowski R, Saeed T, Shah S. Evaluation of antimicrobial prophylaxis in spine surgery within an enhanced recovery program at a large community teaching hospital. ASHP Midyear 2022 Clinical Meeting & Exhibition, 2022 Dec 7, Las Vegas, NV.

Kless S, Zimmerman LH, Kroneman O. Impact of soy-based versus composite lipid emulsion (soybean, medium chain triglycerides, olive and fish oil) in critically ill patients. ASPEN Nutrition Science & Practice Conference, ASPEN2022, 2022 Mar 24-28, Seattle, WA.

Reich E, Hartnagle S, Pilotto J, Klotz H, Herc R. Evaluation of antibiotic selection and duration in patients with non-severe community acquired pneumonia. ASHP Midyear 2022 Clinical Meeting & Exhibition, 2022 Dec 7, Las Vegas, NV.

Rola A, Wirtz J, Kalaj D, Rrushi V, Cadiz M. Evaluation of safety outcomes of two hydrocortisone dosing regimens in patients in septic shock. ASHP Midyear 2022 Clinical Meeting & Exhibition, 2022 Dec 7, Las Vegas, NV.

VanDorf S, Shah P, Richardson C, Yost C. Ertapenem versus meropenem for the treatment of ESBL-producing Enterobacterales bacteremia in critically ill patients. ASHP Midyear 2022 Clinical Meeting & Exhibition, 2022 Dec 7, Las Vegas, NV.

Waldsmith E, Zimmerman LH, Hanni C. Safety evaluation of intravenous heparin protocol following alteplase treatment in patients with suspected or confirmed pulmonary embolism. ASHP Midyear 2022 Clinical Meeting & Exhibition, 2022 Dec 7, Las Vegas, NV.

PHYSICAL MEDICINE AND REHABILITATION

Peer-Reviewed Publications:

Berweck S, Banach M, Gaebler-Spira D, Chambers HG, Schroeder AS, Geister TL, et al, **[Dabrowski E]**. Safety profile and lack of immunogenicity of incobotulinumtoxinA in pediatric spasticity and sialorrhea: A pooled analysis. *Toxins (Basel)*. 2022 Aug 25;14(9):585. doi:10.3390/toxins14090585. PMID:36136523.

Bonfert M, Heinen F, Kaňovský P, Schroeder AS, Chambers HG, **Dabrowski E**, et al. Spasticity-related pain in children/adolescents with cerebral palsy. Part 2 incobotulinumtoxinA efficacy results from a pooled analysis. *J Pediatr Rehabil Med*. 2022 Aug 27. doi:10.3233/PRM-220020. PMID:36057802.

Boudiab EM, Peshel EC, Ibrahim Y, Gupta R, Chaiyasate K, Shaheen K, et al, **[Ysunza, PA]**. Treatment of VPI with customized pharyngeal flaps: One size does not fit all. *Plast Reconstr Surg Glob Open*. 2022 Apr 14;10(4):e4255. doi:10.1097/GOX.0000000000004255. PMID:35441063.

Carranza-Del Río J, Dursun N, Cekmece C, Bonikowski M, Pyrzanowska W, **Dabrowski E**, et al. Goal attainment after treatment with abobotulinumtoxinA and a tailored home therapy programme in children with upper limb spasticity: Descriptive, exploratory analysis of a large randomized, controlled study. *J Rehabil Med*. 2022 Dec 9;54:jrm00349. doi:10.2340/jrm.v54.2540. PMID:36306168.

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Lou J. I am weak in both hands: A curious case of a 66-year-old man with ulnar nerve compression associated with bilateral anconeus epitrochlearis. *PM&R* 2022 Oct;14(Suppl 1); S59-S60.

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Wilhelm KD. Rare diagnosis of para-infectious SARS-COV2 associated acute transverse myelitis based off clinical presentation and CSF studies with negative imaging: A case report. *PM&R* 2022 Oct;14(Suppl 1), S119-120.

Invited Presentations:

Aljassem A. Neuropathic pain management. *Neurology for the Primary Care Provider*, 2022 Oct 28, Troy, MI.

Alpiner N. Concussion management and early intervention. *Neurosurgery Grand Rounds, M&M, and Staff Conference*. Beaumont Hospital, 2022 Sept 20, Royal Oak, MI.

Bazil T, Ziske M, Halchishick E. Case diagnosis: Jamestown Canyon virus causing severe Guillain Barré Syndrome: A case report. *Association of Academic Physiatrists Physiatry '22*, 2022 May 24-28, New Orleans, LA.

Chowdhry N, **Fry A**. Your best self: Tips for PM&R away rotations. Representation in Rehab Webinar Series. 2022 Jul. Virtual.

Fry A. Comparing the reality and validity characteristics of FIM and CARE Tool: How do they stack up? AOCPMR Journal Club. 2022 Aug 24. Virtual.

Fry A. How to write a case report in PM&R. Representation in Rehab. 2022 Aug. Virtual.

Hite A, Karabon P, **Alpiner N**. Reporting of concussion symptoms in high school aged athletes. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Hull B, Karabon P, **Alpiner N**. Insufficient sleep following pediatric mild traumatic brain injury correlates with neurocognitive dysfunction. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Karageanes S. Mission impossible - prescribing exercise as medicine. Symposium for Primary Care Medicine, 2022 Nov 4, Novi, MI.

Kovan E. Acute and chronic pain management. Symposium for Primary Care Medicine, 2022 Nov 4, Novi, MI.

Lou J, Ferris J. Right arm weakness and vaginal spotting: A curious case of paraneoplastic necrotizing myopathy associated with endometrioid adenocarcinoma. Association of Academic Physiatrists Physiatry '22, 2022 May 24-28, New Orleans, LA.

Lou J, Sielski D, Saleh H, Trivax B, Ferris J, Taylor R. Myelin oligodendrocyte glycoprotein associated demyelinating disorder presenting as acute disseminated encephalomyelitis after Sars-Cov-2 vaccination: A case report. Association of Academic Physiatrists Physiatry '22, 2022 May 24-28, New Orleans, LA.

Lou J, Trivax B. Sarcoid myelitis masking as multiple sclerosis in an otherwise healthy 45-year-old: A case report. Association of Academic Physiatrists Physiatry '22, 2022 May 24-28, New Orleans, LA.

Ludema D, **Alpiner N**. Post-concussive visual symptoms in teens undergoing rehabilitation. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Maltese J. Inpatient rehab update. Medical Services Update Conference, 2022 Feb 22, Beaumont Hospital, Troy, MI.

Riutta J. Medical treatment of lymphedema. Innovations in Breast Cancer and Reconstruction, 2022 May 14, Bloomfield Hills MI.

Sielski D, Lou J, Bazil T, Grant L. Post COVID-19 infection multisystem inflammatory syndrome in adults presenting with pain, ascending weakness, and paresthesias: A case report. American Academy of Physical Medicine and Rehabilitation 2022 Annual Assembly. 2022 Oct 20-23, Baltimore, MD.

Sloan J, Taylor R. Protective effect of previous spine surgery in traumatic cervical spinal cord injury: A case report. American Academy of Physical Medicine and Rehabilitation 2022 Annual Assembly. 2022 Oct 20-23, Baltimore, MD.

Ysunza PA. Challenges in the diagnosis and treatment of velopharyngeal insufficiency (VPI). International Congress of Latin American Craniofacial and Cleft Palate Association (LATICFA). Cancun, Mexico. 2022 Oct.

Ysunza PA. Evaluation and diagnosis of velopharyngeal insufficiency (VPI). The XVI International Congress of Cleft Palate and Craniofacial Anomalies (ABCCMF). Rio de Janeiro. Brazil. 2022 Apr.

Ysunza PA. Forty years of velopharyngeal insufficiency (VPI). evolution of the concept. International Congress of Latin American Craniofacial and Cleft Palate Association (LATICFA). Cancun, Mexico. 2022 Oct.

Ysunza PA. Diagnosis and management of velopharyngeal insufficiency (VPI) in patients with velo cardio facial syndrome (VCFS). International Conference on VCFS, Hospital Burlo Barofolo, 2022 May, Trieste, Italy.

PODIATRY

Peer-Reviewed Publications:

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Carroll J, Wolf J, Fallat LM. Tibiotalocalcaneal fusion with bulk femoral head allograft in a patient with a rare, trauma induced, rigid, cavovarus foot deformity. *Foot & Ankle Surgery: Techniques, Reports & Cases.* 2022 Mar 1, 2(1):100134. doi:10.1016/j.fastrc.2021.100134.

Gupta R, Pfennig M, Gannon J, Young D, Gupta M, Chaiyasate S, et al, **[Kissel BG, Kissel EC].** Utilization of the pedicled and free fibula flap for ankle arthrodesis. *Plast Reconstr Surg Glob Open.* 2022 Nov 22;10(11):e4670. doi:10.1097/GOX.0000000000004670. PMID:36438462.

Gupta R, Pfennig M, Gannon J, Young D, Gupta R, Hart J, et al, **[Kissel BG, Kissel EC].** Utilization of the free fibular flap for first metatarsal reconstruction. *Plast Reconstr Surg Glob Open.* 2022 Dec 12;10(12):e4706. doi:10.1097/GOX.0000000000004706. PMID:36530855.

Kelesis M, Berkowitz J, Vest M, Chaiyasate K, DeSano J, Lubbe R, et al, **[Kissel BG, Kissel EC].** Vascularized pedicled fibula flap with split periosteal overlay for ankle arthrodesis: Modification of technique and case report. *Orthoplastic Surgery.* 2022 Dec;10:10-13. doi:10.1016/j.orthop.2022.09.005.

Mariano A, Fallat LM. A rare benign soft-tissue chondroma in the plantar foot: A case report. *Foot & Ankle Surgery: Techniques, Reports & Cases.* 2022 Mar 1, 2(1):100105. doi:10.1016/j.fastrc.2021.100105. Epub 2021 Oct 29.

Mogavero M, Khlopas H, Fallat LM. A rare presentation of Ewing's sarcoma presenting in the third metatarsal. *J Foot Ankle Surg.* 2022 Mar-Apr;61(2):421-425. doi:10.1053/j.jfas.2021.09.010. PMID:34728136.

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Wolf J, Fallat L, Coffey M. Outcomes and material cost comparison of transosseous versus suture anchor fixation of the Achilles tendon: A retrospective study. *J Foot Ankle Surg.* 2022 Jan-Feb;61(1):12-16. doi:10.1053/j.jfas.2021.05.012. Epub 2021 Jun 10. PMID:34247969.

Invited Presentations:

Boguski R, Shahid D. Filleted toe flap for closure of neuropathic wound with osteomyelitis. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Flores M, Panchbhaiya S. Case study: Injectable bone cement in treatment of ORIF calcaneal fractures. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Sajjad T, Johnson C, Baatile-Ajruche J. COVID-19 and incidence of necrotizing fasciitis: A case study. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

PSYCHIATRY

Peer-Reviewed Publications:

Guina J, Barlow S, Gutierrez D. Bipolar I disorder exacerbation following COVID-19 vaccination. *Innov Clin Neurosci*. 2022 Jul-Sep;19(7-9):9-11. PMID:36204171.

Guina J, Dornfeld B, Pinals DA. A 20-year follow-up survey of police officers' experience with Tarasoff warnings: How law enforcement reacts to clinicians' duty to protect. *Behav Sci Law*. 2022 Jul;40(4):505-513. doi:10.1002/bsl.2564. PMID:35195297.

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Majchrzak JD, Dillenburger K. Supporting young people on the autism spectrum: Analyzing the effectiveness of components of habit reversal treatment. *Int J Autism Related Disabilities* 2022 Mar 30;5(1). 150. <https://doi.org/10.29011/2642-3227.000050>.

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Mirza SA, Sheikh AAE, Barbera M, **Ijaz Z**, Javaid MA, Shekhar R, et al. COVID-19 and the endocrine system: A review of the current information and misinformation. *Infect Dis Rep*. 2022 Mar 11;14(2):184-197. doi:10.3390/idr14020023. PMID:35314653.

Sheikh AB, Javed N, **Ijaz Z**, Leyba K, Barrett E, Dunn A. Easing dementia caregiver burden, addressing interpersonal violence. *J Fam Pract*. 2022 Jan;71(1):E1-E8. doi:10.12788/jfp.0349. PMID:35259332.

Invited Presentations:

Gilbert C. **Karamchandani V**. Imposter syndrome and depressive symptoms in medical students. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Guina J. Troubleshooting antidepressants for depression and anxiety. Symposium for Primary Care Medicine, 2022 Nov 4, Novi, MI.

Guina J, Ijaz Z. Peripartum psychosis. Global Health Education Initiative, 2022 Jul. Virtual.

Guina J, Standifer W. Veteran mental health. Veterans Affinity Group Meeting, 2022 Mar 16. Virtual.

Ijaz Z. Effect of zuranolone vs placebo in postpartum depression. Psychiatry Grand Rounds Lecture Presentation, 2022 Mar 9, Beaumont Hospital, Dearborn, MI.

Khan A. Integrative medicine in psychiatry. Psychiatry Grand Rounds Lecture Presentation, 2022 May 11, Beaumont Hospital, Dearborn, MI.

Kruse KL, Saragoza P, **Guina J**, Calhoun D, Ross NE. Watch your back: The risk of harm to the forensic psychiatrist. 53rd Annual Meeting of the American Academy of Psychiatry and the Law, 2022 Oct 28, New Orleans, LA.

Kruse KL, Saragoza P, **Guina J**, Calhoun D, Ross NE. Improving the forensic interview. 53rd Annual Meeting of the American Academy of Psychiatry and the Law, 2022 Oct 29, New Orleans, LA.

Matei A. Mental health in acute care. Beaumont Health Nurse Professional Development Day, 2022 Oct 5, Royal Oak, MI.

Mellos G. Depression and anxiety through COVID. Practical Pediatrics Spring, 2022 May 7. Virtual.

Mellos G. Psychodynamic development of psychic structure. Psychiatry Grand Rounds Lecture Presentation, 2022 May 4, Beaumont Hospital, Dearborn, MI.

Rana L. Woman's mental health. Psychiatry Grand Rounds Lecture Presentation, 2022 Apr 6, Beaumont Hospital, Dearborn, MI.

***Samaritan R**. Personality disorders, an overview. Medical Grand Rounds Lecture Presentation, 2022 Jun 22, Beaumont Hospital, Royal Oak, MI.

Zeman, LL. COVID pandemic: Reflecting and coping. Beaumont Health Practical and Progressive Updates in Primary Care Medicine 2022, Apr 6 – May 15, 2022. Virtual.

Zimmerman-Slayton L. Prevention of incident and recurrent major depression in older adults with insomnia. Psychiatry Grand Rounds Lecture Presentation, 2022 Mar 9, Beaumont Hospital, Dearborn, MI.

Multimedia:

Shajahan A, Jones D. The resilience episode. Beaumont HouseCall Podcast. Michigan: Beaumont Health, 2022 Apr 13. <https://www.youtube.com/watch?v=pPESX7hR33Q>.

Shajahan A, **Guina J**. The alcohol awareness episode. Beaumont HouseCall Podcast. Michigan: Beaumont Health, 2022 Apr 13. <https://www.youtube.com/watch?v=dGkneT4F3n0>.

RADIATION ONCOLOGY

Peer-Reviewed Publications:

Alvi MA, Asher AL, Michalopoulos GD, **Grills IS**, Warnick RE, McInerney J, et al. Factors associated with progression and mortality among patients undergoing stereotactic radiosurgery for intracranial metastasis: Results from a national real-world registry. *J Neurosurg*. 2022 Jan 14;1-14. doi:10.3171/2021.10.JNS211410. PMID:35171833.

Amini A, Verma V, Simone CB 2nd, Chetty IJ, Chun SG, Donington J, et al, **[Kestin LL]**. American Radium Society appropriate use criteria for radiation therapy in oligometastatic or oligoprogressive non-small cell lung cancer. *Int J Radiat Oncol Biol Phys*. 2022 Feb 1;112(2):361-375. doi:10.1016/j.ijrobp.2021.09.022. PMID:34571054.

Burmeister JW, Coffey CW, Hazle JD, Kirby N, Kuang Y, Lamba MA, et al, **[Loughery B]**. AAPM Report 373: The content, structure, and value of the professional Doctorate in Medical Physics (DMP). *J Appl Clin Med Phys*. 2022 Sep 15:e13771. doi:10.1002/acm2.13771. PMID:36107002.

Campbell KC, Rehemtulla A, Sunkara P, **Hamstra DA**, Buhnerkempe M, Ross B. Oral D-methionine protects against cisplatin-induced hearing loss in humans: Phase 2 randomized clinical trial in India. *Int J Audiol*. 2022 Aug;61(8):621-631. doi:10.1080/14992027.2021.1983215. PMID:34622731.

Cao X, Liu P, Gao XS, Shang S, Liu J, Wang Z, et al, **[Ding X]**. Redefine the role of proton beam therapy for the locally-advanced non-small cell lung cancer assisting the reduction of acute hematologic toxicity. *Front Oncol*. 2022 Jun 30;12:812031. doi:10.3389/fonc.2022.812031. PMID:35847952.

Chang S, Liu G, Zhao L, Zheng W, *Yan D, Chen P, et al, **[Deraniyagala R, Stevens CW, Grills IS, Chinnaiyan P, Li X, Ding X]**. Redefine the role of spot-scanning proton beam therapy for the single brain metastasis stereotactic radiosurgery. *Front Oncol*. 2022 May 19;12:804036. doi:10.3389/fonc.2022.804036. PMID:35664795.

Chang S, Liu G, Zhao L, Zheng W, *Yan D, Chen P, et al, **[Deraniyagala R, Stevens CW, Grills IS, Chinnaiyan P, Li X, Ding X]**. Introduce a rotational robust optimization framework for spot-scanning proton arc (SPArc) therapy. *Phys Med Biol*. 2022 Dec 22;68(1). doi:10.1088/1361-6560/aca874. PMID:36546347.

Chen S, Peng Y, Qin A, Liu Y, Zhao C, Deng X, et al, **[Deraniyagala R, Stevens CW, Ding X]**. MR-based synthetic CT image for intensity-modulated proton treatment planning of nasopharyngeal carcinoma patients. *Acta Oncol*. 2022 Nov;61(11):1417-1424. doi:10.1080/0284186X.2022.2140017. PMID:36305424.

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Zhao L, **Liu G**, Souris K, Wuyckens S, Janssens G, Poels K, et al, [**Deraniyagala RL**, **Stevens CW**, **Li X**, **Ding X**]. Machine-specific delivery sequence model of compact superconducting synchrocyclotron proton therapy systems - a multi-institutional investigation. *Int J Radiat Oncol Biol Phys*. 2022 Nov 1;114(3 Suppl):e541. doi:10.1016/j.ijrobp.2022.07.2156.

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Invited Presentations:

Baker KH, **Pruetz BL**, **Arden JD**, **Quinn TJ**, **Wilson GD**. The prognostic significance of glucose-6-phosphate dehydrogenase as a biomarker in head and neck squamous cell carcinomas treated with conventional chemoradiation. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Chinnaiyan P. Metabolic reprogramming in glioblastoma. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Knill C. End-to-end commissioning & treatment plan quality assurance for cranial single-isocenter multi-target (SIMT) radiosurgery. AAPM 64th Annual Annual Meeting & Exhibition, 2022 Jul 10, Washington, DC.

Knill C. Implementing linac-based cranial radiosurgery. American Society for Radiation Oncology (ASTRO) Annual Meeting 2022 Oct 23-26, San Antonio, TX.

Krauss D. Contemporary radiotherapeutic management of prostate cancer. Hematology/Oncology Grand Rounds Lecture Presentation, 2022 Jan 18, Beaumont Hospital, Royal Oak, MI.

Loving B. Gamma knife stereotactic radiosurgery retreatment of trigeminal neuralgia: Prognostic factors and clinical outcomes. Beaumont Health 50th Annual Resident & Fellow Research Forum, Apr 28, 2022, Royal Oak, MI.

Nandalur K, Walker D, **Ye H**, Al-Katib SA, Siefman B, Gangwish D, et al, [**Nandalur S**]. Expansion of the detrusor muscular ring surrounding the bladder neck on MRI: Moving beyond the prostate as an etiology of lower urinary tract symptoms due to benign prostatic hyperplasia. Radiological Society of North America (RSNA) Annual Meeting, 2022 Nov 27 – Dec 1, Chicago, IL.

Quach D, Porter E, ***Guerrero TM**. Functional lung segmentation from computed tomography images using deep learning. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Shamim S, **Seymour Z**. Evaluating the impact of software distortion correction on target doses in cranial stereotactic radiosurgery. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Solano C, Sala IM, Maurer B, **Levitin R**, ***Guerrero TM**. Fluoroscopic demonstration of thoracic tumor immobilization with high frequency percussive ventilation. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Taylor AM, Porter E, ***Guerrero TM**. Development of a deep neural network for synthesis of non-contrast cranial T1-weighted magnetic resonance imaging. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Multimedia:

Knill C, Rahimian J, Johansson W, Schlottmann M. Benefits of implementing Brainlab elements in the clinical routine. Brainlab Webinar. Jul 27, 2022. Virtual.

Knill C. End-to-end commissioning and treatment plan quality assurance for cranial single-isocenter multi-target (SIMT) radiosurgery. Sun Nuclear. Apr 19, 2022. Accessed May 4, 2022.

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RESEARCH ADMINISTRATION

Peer-Reviewed Publications:

Bahl A, Johnson S, Mielke N, ***Chen NW**. Risk factors for midline catheter failure: A secondary analysis of an existing trial. *Ther Clin Risk Manag*. 2022 Oct 7;8:999-1007. doi:10.2147/TCRM.S383502. PMID:36238957.

Berkowitz BA, ***Podolsky RH, Childers KL**, Burgoyne T, De Rossi G, Qian H, et al. Functional changes within the rod inner segment ellipsoid in wildtype mice: An optical coherence tomography and electron microscopy study. *Invest Ophthalmol Vis Sci*. 2022 Jul 8;63(8):8. doi:10.1167/iops.63.8.8. Erratum in: *Invest Ophthalmol Vis Sci*. 2022 Sep 1;63(10):11. PMID:35816042.

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Bukhsh MA, Thyagarajan R, Todd BR, ***Chen NW, Qu L**, Swaminathan L. An electronic medical record-based intervention to improve hepatitis A vaccination rates in the emergency department during a regional outbreak. *BMJ Open Qual*. 2022 Nov;11(4):e001876. doi:10.1136/bmjopen-2022-001876. PMID:36410781.

***Chen NW**, Mutambudzi M, Markides KS. Trajectories of concurrent depressive symptoms and cognitive function on health outcomes and mortality among older Mexican Americans. *Arch Gerontol Geriatr*. 2022 May-Jun;100:104663. doi:10.1016/j.archger.2022.104663. PMID:35248914.

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Gill I, Shams C, Hanna A, **George J**, Jamil LH, Patel A. Role of demographics in non-invasive testing for colorectal cancer screening: Do targeted cut-off values improve detection? *Minerva Gastroenterol (Torino)*. 2022 Mar 28. doi:10.23736/S2724-5985.22.03124-2. PMID:35343664.

Islam MI, Nagakannan P, Shcholok T, Contu F, Mai S, Albensi BC, et al, [**Sharoar MG**]. Regulatory role of cathepsin L in induction of nuclear laminopathy in Alzheimer's disease. *Aging Cell*. 2022 Jan;21(1):e13531. doi:10.1111/acer.13531. PMID:34905652.

Johnson SE, Pai E, Voroba A, ***Chen NW**, Bahl A. Examining D-dimer and empiric anti-coagulation in COVID-19-related thrombosis. *Cureus*. 2022 Jul 15;14(7):e26883. doi:10.7759/cureus.26883. PMID:35978762.

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Published Abstracts:

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Koujane R, Drogowski M, Abou-Alaiwi A, Newson J, McNally V, ***Chen NW**, et al. Discharging low-risk pulmonary embolism from an emergency room. *Circulation: Cardiovascular Quality and Outcomes*. 2022 May;15(Suppl_1):A256.

Mathew TA, **George J**, Yost CN, Deebajah M, Johnson PC, Huang J, et al. 287. Procalcitonin and D-dimer levels at baseline, but not CRP, were informative of COVID-19 hospitalization outcomes. *Open Forum Infect Dis*. 2022 Dec 15;9(Suppl 2):ofac492.365. doi:10.1093/ofid/ofac492.365. PMID: PMC9752341.

Pestano C, Easton RW, Lipphardt M, Easton M, ***Chen NW**, Papakonstantinou NS, et al. TXA vs no TXA: Tranexamic acid in lumbar fusion, a retrospective study comparison. *Spine J*. 2022 Sep;22(9 Suppl):S148. doi:10.1016/j.spinee.2022.07.084

***Sandoval S**, Goyal A, Gappy R, Crowe R, Frawley J, et al, **[*Chen NW]**. Prehospital use of ketamine vs benzodiazepines for sedation among pediatric patients with behavioral emergencies. *Acad Emerg Med*. 2022 May;29(S1):S185.

Todd BR, Nguyen A, ***Chen NW**, Eberhardt L, Bahl A. 30-Day outcomes of hypertensive emergency department patients discharged with antihypertensive therapy. *Ann Emerg Med*. 2022 Oct 1;80(4):S18-9.

Versalle RL, Todd BR, ***Chen NW**, Turner-Lawrence DE. Early postgraduate year one milestone assessment can predict postgraduate year one performance. *Acad Emerg Med*. 2022 May;29(S1):S126.

Invited Presentations:

Challa JA, Khan AM, **Taranikanti V**. Comparing radiological characteristics of neck pain in younger versus older patients: A retrospective analysis. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Easton RW, Smith G, Lipphardt M, Silvasi D, Papakonstantinou N, ***Chen NW**. Eras vs non-eras: A hospital performance metrics comparison in patients undergoing spinal fusion. 2022 Annual Congress of Enhanced Recovery and Perioperative Medicine, 2022 May 11-13, Baltimore, MA.

Goyal A, Gappy R, Crowe R, Frawley J, ***Chen NW**, Swor RA. Prehospital use of ketamine in the pediatric population. National Association of EMS Physicians Conference, 2022 Jan, San Diego, CA.

Hashmi A, Pollak A, Ludwig L, Mychaliska K, Rubenstein M, Adeyemo O, et al, **[Qu L, *Coffey M]**. Effect of SARS-COV2 on adolescent PHQ-9 screening result. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Homayouni R. Population health: Using data analytics to customize interventions & improve health outcomes. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Jurdzy B, **Sims P**. Grant proposal development & submission. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Layton S, Edgerly Y, **Higgins B, Sherer K**. Monitoring the health of a study. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Macha J, **Paul L**. IRB collaboration & building a future together. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Schimmel O, **Taranikanti V**. Therapeutic efficacy of zinc in the treatment of COVID-19 patients: A systematic review. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Schuiteman-Bishop P, Rajasekaran S, **Kennedy RH**. Overview of research. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Smith G, Easton RW, Shah KB, Silvasi D, Lipphardt M, **George J**, et al. What is the incidence of QT prolongation and life-threatening arrhythmia following IV methadone administration in patients undergoing lumbar fusion? 2022 Annual Congress of Enhanced Recovery and Perioperative Medicine, 2022 May 11-13, Baltimore, MA.

Song J, Berger DA, Paxton JH, Miller JB, Reynolds J, ***Chen NW**. Cardiac arrest patient length of stay and survival in Michigan hospitals. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Tram J, Pressman A, ***Chen NW**, Berger DA, Miller J, Welch R, et al. Ventricular assist device association in improving outcomes in patients resuscitated from out of hospital cardiac arrest. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Zhao L. Role of biostatistics in medical research. BSHS Research Summit, 2022 Oct 21, Grand Rapids, MI.

Zhou J, Benoit M, **Sharoar MG**. Recent advances in pre-clinical diagnosis of Alzheimer's disease. Metab Brain Dis. 2022 Aug;37(6):1703-1725. PMID:33900524.

SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES

BREAST CARE CENTER

FEMALE PELVIC RECONSTRUCTIVE SURGERY

GENERAL SURGERY

NEUROSURGERY

OTOLARYNGOLOGY

PEDIATRIC SURGERY

PLASTIC SURGERY

THORACIC SURGERY

VASCULAR SURGERY

BREAST CARE CENTER

Peer-Reviewed Publications:

Hwang ES, Beitsch P, Blumencranz P, Carr D, Chagpar A, Clark L, et al, **[Dekhne N, Gold L]**. INSITE study team. Clinical impact of intraoperative margin assessment in breast-conserving surgery with a novel pegulicianine fluorescence-guided system: A nonrandomized controlled trial. JAMA Surg. 2022 Jul 1;157(7):573-580. doi:10.1001/jamasurg.2022.1075. PMID:35544130.

Published Abstracts:

Sarvepalli N, Dekhne N, Sebai M, Karabon P. National trends and survival outcomes of performing immediate breast reconstruction for male breast cancer patients. Ann Surg Oncol. 2022, 29 (Suppl 2):S418.

Invited Presentations:

Aoun M, Jahshan A, **Dekhne N**, Taranikanti V. Relationship between obesity and triple-negative breast cancer: A retrospective study. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Jahshan A, Aoun M, **Dekhne N**, Taranikanti V. Relationship between smoking and triple-negative breast cancer: A retrospective analysis. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Shakir Z. Breast ABSITE review. Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Dec 13, Beaumont Hospital, Royal Oak, MI.

CARDIOVASCULAR SURGERY

Peer-Reviewed Publications:

Gualano SK, Seth M, Gurm HS, Sukul D, Chetcuti SJ, Patel HJ, et al, **[Schwartz C, Shannon F]**. Renal function-based contrast threshold predicts kidney injury in transcatheter aortic valve replacement. *J Soc Cardiovasc Angiogr Interv*. 2022 May-Jun;1(3):100038. doi:10.1016/j.jscai.2022.100038.

Wagner CM, Clark MJ, Theurer PF, Lall SC, Nemeh HW, Downey RS, et al, **[Dabir RR, Robinson PL]**. Predictors of discharge home without opioids after cardiac surgery: A multicenter analysis. *Ann Thorac Surg*. 2022 Dec;114(6):2195-2201. doi:10.1016/j.athoracsur.2021.10.005. PMID:34924190.

Published Abstracts:

Madanat L, Schott JP, Mando R, Hanson ID, Renard BM, **Fazzalari F**, et al. Is discordance between echocardiography and invasive transaortic valve mean gradients related to pressure recovery? *J Am Coll Cardiol*. 2022 Sep 20;80(12 Suppl):B147-B148. doi:10.1016/j.jacc.2022.08.430.

Mando R, Abbas AE, Allen O, Renard BM, Gallagher MJ, **Shannon FL**, et al, **[Vivacqua A]**. The relationship of aortic valve calcium score and glomerular filtration rate in patients with severe aortic stenosis and chronic kidney disease. *J Am Coll Cardiol*. 2022 Mar 8;79(9 Suppl):690.

Mando R, Madanat L, Almany SL, Hanson ID, Gallagher MJ, **Shannon FL**, et al, **[Vivacqua A]**. Multimodality assessment of low flow low gradient aortic stenosis with low ejection fraction. *J Am Coll Cardiol*. 2022 Mar 8;79(9 Suppl):739.

Invited Presentations:

Vivacqua A. Frozen elephant trunk in type A aortic dissection. Cardiology Grand Rounds Lecture Presentation, 2022 Mar 14, Royal Oak, MI. Virtual.

FEMALE PELVIC RECONSTRUCTIVE SURGERY

Peer-Reviewed Publications:

Eisner H, McIntosh GV. Pubovaginal sling. 2022 Aug 22. Treasure Island, FL. StatPearls Publishing, PMID:34283516.

Friedman BJ, Nguyen J, Vollstedt A, Diaz M, **Hoang Roberts L**, **Sirls LT**. A modified Altis® mid-urethral sling that allows immediate post-operative adjustment: Experience in 197 patients. *Int Urol Nephrol*. 2022 Feb;54(2):241-247. doi:10.1007/s11255-021-03081-5. PMID:34981416.

Reynolds WS, Suskind AM, Anger JT, Brucker BM, Cameron AP, Chung DE, et al, **[Padmanabhan P]**. Incomplete bladder emptying and urinary tract infections after botulinum toxin injection for overactive bladder: Multi-institutional collaboration from the sufu research network. *Neurourol Urodyn*. 2022 Feb;41(2):662-671. doi:10.1002/nau.24871. PMID:35019167.

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Vollstedt A, Tennyson L, Turner K, Hasenau D, Saon M, McCartney T, et al, **[Gilleran JP]**. Evidence for early cyclosporine treatment for Hunner lesion interstitial cystitis. *Female Pelvic Med Reconstr Surg*. 2022 Jan 1;28(1):e1-e5. doi:10.1097/SPV.0000000000001108. PMID:34608034.

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Roberts LH, Vollstedt A, **Eisner H**, Tennyson L, Shea E, Vargos L, et al, **[Padmanabhan P]**. Fractional carbon dioxide vaginal laser for the treatment of urinary symptoms: 12 months results. *J Urol*. 2022 May;207(Suppl 5):e94. doi:10.1097/JU.0000000000002525.05.

Stephens J, **Burks FN**. Comparing outcomes of pelvic fracture urethral injury repair in third world countries versus United States. *J Urol*. 2022 May;207(Suppl 5):e485-e486. doi:10.1097/JU.0000000000002573.18.

Invited Presentations:

Burks FN. Trauma/reconstruction/diversion: External genitalia reconstruction and urotrauma (including transgender surgery). American Urological Association (AUA) Annual Meeting 2022 May 13-16, New Orleans, LA.

Burks FN. Ureteral repair (moderator). American Urological Association (AUA) Annual Meeting, 2022 May 13-16, New Orleans, LA.

Gilleran JP. Trigger point injections for pelvic pain. Hands-on Neuromodulation: Sacral, Pudendal, Tibial, Pelvic Pain, 2022 Apr 8, Beaumont Hospital, Royal Oak, MI.

Gilleran JP, Kobashi KC, Goudelocke CM, Khan AA. When neuromodulation stops working-a case-based approach to troubleshooting the patient, the practitioner and the device. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) 2022 Winter Meeting, 2022 Feb 22-26, San Diego, CA.

Padmanabhan P. Urodynamics/lower urinary tract dysfunction/female pelvic medicine:non-neurogenic voiding dysfunction II (moderator). American Urological Association (AUA) Annual Meeting, 2022 May 13-15, New Orleans, LA.

***Roberts LH**, Zwaans BMM, Peters KM, Chancellor MB, **Padmanabhan P**. The incidence of new or worsening OAB symptoms in patients with prior SARS CoV-2 infection. Society of Urodynamics,

Female Pelvic Medicine & Urogenital Reconstruction, SUFU 2022 Winter Meeting, 2022 Feb 22-26, San Diego, CA.

***Roberts LH**, Zwaans BMM, Fortney DT, Kessler SA, **Eisner H**, Tennyson L, et al, [**Sirls LT**]. Standardizing the pelvic floor exam: Is it reproducible and durable? Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) 2022 Winter Meeting, 2022 Feb 22-26, San Diego, CA

Vollstedt A, Friedman B, **Roberts LH**, **Eisner H**, **Gilleran JP**, Peters KM, et al, [**Padmanabhan P**]. Implantable neuromodulation in the setting of neurogenic bladder: Single-institution experience. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) 2022 Winter Meeting, 2022 Feb 22-26, San Diego, CA.

GENERAL SURGERY

Peer-Reviewed Publications:

Abdu RW, Long GW, **Baker D**, **Boudiab E**, **Callahan RE**, **Studzinski DM**, et al. Intramural hematoma of the thoracic aorta: A single-institution, 12-year experience. *J Vasc Surg.* 2022 Jun;75(6):1872-1881.e1. doi:10.1016/j.jvs.2021.12.077. PMID:35066059.

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Bolt RJ, Jafri SSM, **Siegel TS**, Werns S. A concurrent pseudoaneurysm and an arteriovenous fistula following percutaneous radial artery access. *Cureus.* 2022 Nov 7;14(11):e31207. doi:10.7759/cureus.31207. PMID:36514642.

Boudiab E, **Kawak S**, **Tom A**, **Studzinski DM**, Novotny N, **Brahmamdham P**. Prospective evaluation of an evidence-based decision tool to assess pediatric blunt abdominal trauma (BAT). *Pediatr Surg Int.* 2022 Jan;38(1):183-191. doi:10.1007/s00383-021-05013-x. PMID:34586483.

Boudiab EM, **Peshel EC**, Ibrahim Y, Gupta R, Chaiyasate K, Shaheen K, et al. Treatment of VPI with customized pharyngeal flaps: One size does not fit all. *Plast Reconstr Surg Glob Open.* 2022 Apr 14;10(4):e4255. doi:10.1097/GOX.0000000000004255. PMID:35441063.

Broderick J, **Siegel T**. A case of an anomalous tract involving the cecum after open right inguinal hernia repair. *Cureus.* 2022 Feb 16;14(2):e22275. doi:10.7759/cureus.22275. PMID:35350494.

Chagpar AB, Dupont E, Chiba A, Levine EA, Gass JS, Lum S, et al, **[Brown E]**. Are we choosing wisely? Drivers of preoperative MRI use in breast cancer patients. *Am J Surg.* 2022 Jul;224(1 Pt A):8-11. doi:10.1016/j.amjsurg.2021.10.028. PMID:34706816.

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Connett B, Krohn EF, Hilu J. Complete hydrothorax after revision shoulder arthroscopic surgery: A case report. *Cureus.* 2022 Mar 28;14(3):e23590. doi:10.7759/cureus.23590. PMID:35494961.

Coste AH, Jaafar S, **Parmely JD**. Umbilical hernia. 2022 Jul 18. Treasure Island, FL. StatPearls Publishing, PMID:29083594.

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Woeste MR, Salyer CE, Hammaker AC, Dodwad SJ, **Foote DC**, Nahmias JT, et al. Do general surgery residents begin specializing before fellowship? A multi-institutional study from the US ROPE Consortium. *J Am Coll Surg*. 2022 Nov 1;235(5):799-808. doi:10.1097/XCS.00000000000000311. PMID:36102575.

Ziegler MA, **Bauman JC**, Welsh RJ, Wasvary HJ. Can the American college of surgeons national surgical quality improvement program risk calculator predict outcomes for urgent colectomies? *Am Surg*. 2022 Jan;88(1):65-69. doi:10.1177/0003134820973392. PMID:33345578.

Published Abstracts:

Blodgett E, Oltean A, Rahmani K, Wong N, Garcia S, **McDade B**. Making our bed: WOC nurse-led initiative to replace aging hospital beds to decrease pressure injuries. *J Wound Ostomy Continence Nurs*. 2022 May-Jun;49(3 Suppl):S65-S66.

Colwell J, Davis J, Emodi K, Fellows J, Mahoney M, **McDade B**, et al. Consensus guidance on when to choose a convex pouching system in the postoperative period. *J Wound Ostomy Continence Nurs*. 2022 May-Jun;49(3Suppl):S76.

Odil E, Reilly J, Studzinski DM, Zeigler K. Postoperative hemorrhage versus self-limited bleeding after Roux-en-Y gastric bypass: What are the risk factors? *Surg Obes Relat Dis*. 2022 Jul;18(8 Suppl):S35-S36. doi:10.1016/j.soard.2022.06.124.

Perez-Cruet MJ, **Ramanathan S**, Chaudhry R, Chieng L, McKee C, Rapp A. Hydrogel matrix human stem cell based nucleus pulposus intervertebral disc regeneration. J Neurosurg. 2022 May;136(5). doi:10.3171/2022.5.JNS.AANS2022abstracts.

Sarvepalli N, Dekhne N, **Sebai M**, Karabon P. National trends and survival outcomes of performing immediate breast reconstruction for male breast cancer patients. Ann Surg Oncol. 2022, 29(Suppl 2):S418.

Stoia-Davis J, Colwell J, Emodi K, Fellows J, Gray M, Mahoney M, et al, **[McDade B]**. Survey of clinical practice in the postoperative period: Assessing the use of a convex pouching system. J Wound Ostomy Continence Nurs. 2022 May-Jun;49(3 Suppl):S68.

Invited Presentations:

Al-Hadidi A, Rollins Z, Rehman R, **Lapkus M**, Novotny N, **Brahmamdham P**, et al. Pre-operative splenic artery embolization for massive splenomegaly in children. Beaumont Health Research Institute Residents' and Fellows' Research Forum, 2022 Apr, Royal Oak, MI and at the International Pediatric Endosurgery Group Annual Meeting (IPEG). 2022 Jun, Miami, FL.

Angus A, Howard KK, Jawanda H, **Ziegler KM**, Roach V. The effect of an attending vs neutral observer on peg transfer and intracorporal knot tying laparoscopic tasks. Detroit Surgical Association Meeting, 2022 Feb.

Angus A, Howard KK, Jawanda H, **Ziegler KM**, Roach V. Impact of the mental skills curriculum on stress response of surgical residents performing a simulated task. Annual American College of Surgeons (ACS) Surgical Simulation Summit, 2022 Mar.

Aoun M, Jahshan A, Dekhne N, Taranikanti V. Relationship between obesity and triple-negative breast cancer: A retrospective study. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Batra N, Aggarwal N, Niroula S, Misra D, **Czako P**, Shelden D. Multiple endocrine neoplasia type 1 in a young man with seizures. American College of Physicians Michigan Chapter Annual Scientific Meeting, 2022 Oct 13-16, Bellaire, MI.

Boudiab E. Clinical and public health interventions to improve road traffic safety. Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Mar 22, Beaumont Hospital, Royal Oak, MI.

Boudiab E. Patient reported outcomes using the breast-q in latissimus dorsi breast reconstruction: A systematic review. American Society for Reconstructive Microsurgery Annual Meeting, 2022 Jan 14-18, Carlsbad, CA.

Cohn S. Renal/liver transplantation overview. Symposium for Primary Care Medicine 2022, Nov 4, 2022, Novi, MI.

Foote DC, Amortegui D, Diaz C, Brajcich BC, Bilimoria KY, Hu YY, Johnson JK. Resident labor unions: A mechanism for agency or conflict. Association for Surgical Education Annual Meeting, 2022 May3-7, San Antonio, TX.

Foote DC, Amortegui D, Rosenblatt A, Wu C, Li RD, Bilimoria KY, et al. A beast that cannot be conquered: Parenthood during surgical residency. Academic Surgical Congress, Lake Buena Vista, 2022 Feb 1-3, Lake Buena Vista, FL.

Foote DC, Amortegui D, Rosenblatt A, Wu C, Li RD, Bilimoria KY, et al. The realities of parenthood during surgical residency. Beaumont Health 50th Annual Residents and Fellows Research Forum, 2022 Apr 28, Royal Oak, MI.

Foote DC, Donkersloot JN, Rodoni B, Baker SJ, Matusko N, Solano Q, et al. The impact of contact sports: A marker of grit among general surgery residents. Association for Surgical Education Annual Meeting, 2022 May3-7, San Antonio, TX.

Foote DC, Evans J, Engler T, Gutterman S, Lussiez A, Amortegui D. How program directors understand general surgery resident wellness. Association for Surgical Education Annual Meeting, 2022 May3-7, San Antonio, TX.

Foote DC, **Howard KK**, **Ivascu FA**, Nguyen N. A novel hybrid operative anatomy course for a resident preparatory curriculum. 11th Annual William Davidson Medical Education Week, 2022 May 18, Royal Oak, MI.

Foote DC, **Howard KK**, **Ivascu FA**, Roach VA. Use of a needs assessment to inform development of a successful 2-week surgery bootcamp. 68th Annual Meeting of the Michigan Chapter of the American College of Surgeons, 2022 May 17-20, Traverse City, MI.

Habib P, **Serena T**, Flynn C, **Hartkop A**, Wey E, Lang D, et al. Incidental pathogenic fibrin-associated diffuse large B-cell lymphoma found during aorto-biiliac bypass. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Hammaker AC, Dodwad SJ, Salyer CE, Adams SD, **Foote DC**, **Ivascu FA**, et al. A multi-institutional study of factors associated with pursuing general surgery after residency. Academic Surgical Congress, Lake Buena Vista, 2022 Feb 3, Lake Buena Vista, FL.

Howard KK, Hussein M, Novotny NM, Mi M, Nguyen N. The value of robotic surgery simulation for training surgical residents and attendings: A systematic review. Annual American College of Surgeons (ACS) Surgical Simulation Summit, 2022 Mar 3-4, Chicago, IL.

Janczyk R. Nutrition for surgeons and their patients. Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Nov 22, Beaumont Hospital, Royal Oak, MI.

Jawanda H, **Howard K**, **Angus A**, **Ziegler KM**, Roach V. A crossover study on the impact on the mental skills curriculum on surgical resident stress. 68th Annual Meeting of the Michigan Chapter of the American College of Surgeons, 2022 May 17-20, Traverse City, MI.

Jawanda H, **Howard KK**, **Callahan RE**, **Ziegler KM**, Roach VA. Heart rate variability in surgical residents performing an educational task under stress. 11th Annual William Davidson Medical Education Week, 2022 May 18, Royal Oak, MI.

Kalthoff R, **Boudiab E**, **Studzinski DM**, Novotny N, **Brahmamdham P**, Akay B. Clearance of the cervical spine in obtunded pediatric blunt trauma patients: Quality assessment of an existing clearance pathway. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Keidan R. Detroit2Nepal: Learning to listen. 24th Annual Beaumont Health Medical Staff Symposium, 2022 Jun 16-18, Boyne Falls, MI.

Keidan R. Applying lessons learned in Nepal to healthcare in Detroit. Surgery/Trauma Grand Rounds Lecture Presentation, May 10, 2022, Beaumont Hospital, Royal Oak, MI.

LaFayette N. Bariatric surgery. OB/GYN Grand Rounds Lecture Presentation, 2022 Oct 11, Beaumont Hospital, Dearborn, MI.

Laskovy M, Long GW, **Osei S**, Murdock J, Goodson R, **Studzinski DM**. Eliminating barriers to prosthetic use following lower extremity amputation. Beaumont Health 50th Annual Residents and Fellows Research Forum, 2022 Apr 28, Royal Oak, MI.

Laskovy M, Menning A, Wasvary HJ, Callahan RE, Studzinski DM, Ziegler M. Does insufflation type effect adenoma detection rate? The Michigan Society of Colon and Rectal Surgeons Annual Meeting, 2022 Oct 20, Novi, MI.

Li RD, Eng JS, Etkin C, **Foote DC**, Wu C, Easter SR. Mistreatment, pregnancy complications, and risk of attrition among us surgical resident parents. Academic Surgical Congress, Lake Buena Vista, 2022 Feb 3, Lake Buena Vista, FL.

Li RD, Eng JS, **Foote DC**, Wu C, Johnson JK, Easter SR, et al. Obstetric complications and wellbeing among US surgical residents. Society of Asian Academic Surgeons Annual Meeting, 2022 Sept 17, Honolulu, HI.

Mangla J. Chest wall injury management updates. Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Aug 23, Beaumont Hospital, Royal Oak, MI.

Masters S, Howard K, Foote D, Callahan RE, Studzinski DM, Ivascu FA, et al. Team-based competition improves American Board of Surgery in-training examination performance – a novel approach. Beaumont Health Research Institute Residents' and Fellows' Research Forum, 2022 Apr, Royal Oak, MI.

Masters S, Howard K, Foote D, Callahan RE, Studzinski DM, Ivascu FA, et al. Addition of a team-based competition improves scores on the American Board of Surgery in-training examination. Oakland University William Beaumont School of Medicine William Davidson Medical Education Week, 2022 May 16, Rochester, MI.

Masters SE, Howard KK, Foote DC, Studzinski DM, Callahan RE, Ivascu FA, et al. Improving American Board of Surgery in-training examination (ABSITE) scores through a team-based approach. American College of Surgeons Clinical Congress, 2022 Oct 16-20, San Diego, CA.

Masters SE, Howard KK, Foote DC, Studzinski DM, Callahan RE, Ivascu FA, et al. The competitive edge: Improving ABSITE scores through a team-based approach. 68th Annual Meeting of the Michigan Chapter of the American College of Surgeons, 2022 May 19, Traverse City, MI.

Naseem A, **Al-Hadidi A, Lapkus M**, Karabon P, Akay B, Khandar P. Factors influencing reintubation in self extubated pediatric intensive care unit patients. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Odil E, Reilly J, Sun F, Studzinski DM, Callahan RE, Nagar S. Radioactive iodine therapy (RAIT) in N1 papillary thyroid cancer: Are we overtreating. Beaumont Health 50th Annual Residents and Fellows Research Forum, 2022 Apr 28, Royal Oak, MI.

Osei S. Mass casualty trauma scenario. Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Jan 25, Beaumont Hospital, Royal Oak, MI.

Parmely J. Giving effective feedback. Giving Effective Feedback, 2022 Aug 17. Virtual.

Pasley A. Penetrating trauma and concerns for injuries. Trauma Concepts, 2022 May 10. Virtual.

Pasley J. MCI with an active shooter: A hospital's response. Trauma Concepts, 2022 May 10. Virtual.

Reilly D. Public health. Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Jan 11, Beaumont Hospital, Royal Oak, MI.

Robbins J. Seeking truth in the information age. Surgery/Trauma Grand Rounds Lecture Presentation, Sep 20, 2022, Beaumont Hospital, Royal Oak, MI.

Roby K, Barkach C, **Studzinski DM**, Akay B, **Brahmamdram P**. Spontaneous pneumomediastinum in children is not associated with esophageal perforation. American Pediatric Surgical Association Annual Meeting (APSA), 2022 May, San Diego, CA and at the Michigan Chapter of the American College of Surgeons Annual Meeting, 2022 May, Traverse City, MI.

Rosado M. Outcomes of pilonidal cyst surgery performed at Beaumont Farmington Hills. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Seelbinder B, Kim A, **Rosado M**, Musheinessh M, Cimino A, Pui J, et al. A rare case of subcutaneous panniculitis-like T-cell lymphoma. 2022 Alvin Yarrows Research Day, Beaumont Hospital, 2022 May 5, Farmington Hills, MI.

Spicer P, Miller W, **Ziegler K**, Graham S. Association of gut metabolomic biomarkers with sleeve gastrectomy weight-loss outcomes. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Stevens-Chase A. The ups & downs of weight loss surgery. 24th Annual Beaumont Health Medical Staff Symposium, 2022 Jun 16-18, Boyne Falls, MI.

Thomas G, **Tom A**, Swartz K, **Studzinski DM**, **Callahan RE**, Iacco M. Screening for post-traumatic stress disorder in ECMO survivors. Beaumont Health 50th Annual Residents and Fellows Research Forum, 2022 Apr 28, Royal Oak, MI.

Villalba M. Anticoagulation and reversal agents in the trauma patient. Beaumont Health 23rd Annual Contemporary Issues in Trauma Nursing, 2022 Oct 7, Troy, MI.

Williams A, **Osei S**, Karabon P, **Studzinski DM**, Akay B, **Brahmamdram P**. Perioperative antibiotic use in neonatal general surgery: A survey of APSA membership. Southeast Michigan Center for Medical Education (SEMCME) 44th Annual Research Forum, 2022 May 25, Detroit, MI.

Yohanathan L. Pancreatic cancer. Hematology/Oncology Grand Rounds Lecture Presentation, 2022 Jul 19, Beaumont Hospital, Royal Oak, MI.

Ziegler K, Novotny N. Simulation: Bridging healthcare and education. 11th Annual Oakland University William Beaumont School of Medicine Davidson Medical Education Week, 2022 May 16-20, Rochester, MI.

NEUROSURGERY

Peer-Reviewed Publications:

Olmsted ZT, Petersen EA, Pilitsis JG, Rahimi SY, Chen PR, Savitz SI, et al, **[Staudt MD]**. Toward generalizable trajectory planning for human intracerebral trials and therapy. *Stereotact Funct Neurosurg.* 2022;100(4):214-223. doi:10.1159/000521916. PMID:35130557.

Ragheb A, Vanood A, **Fahim DK**. The addition of radiofrequency tumor ablation to kyphoplasty may reduce the rate of local recurrence in spinal metastases secondary to breast cancer. *World Neurosurg.* 2022 May;161:e500-e507. doi:10.1016/j.wneu.2022.02.052. PMID:35183797.

Sheldon BL, DiMarzio M, Chung SH, Tram J, Khazen O, **Staudt MD**, et al. Association of outcomes of spinal cord stimulation for chronic low back pain and psoas measurements based on size of iliopsoas muscles. *Neuromodulation.* 2022 Jan;25(1):121-127. doi:10.1111/ner.13375. PMID:35041581.

Staudt MD, Prabhala T, Sheldon BL, Quaranta N, Zakher M, Bhullar R, et al. Current strategies for the management of painful diabetic neuropathy. *J Diabetes Sci Technol.* 2022 Mar;16(2):341-352. doi:10.1177/1932296820951829. PMID:32856490.

Staudt MD. The multidisciplinary team in pain management. *Neurosurg Clin N Am.* 2022 Jul;33(3):241-249. doi:10.1016/j.nec.2022.02.002. PMID:35718393.

Zillgitt AJ, **Haykal MA**, **Chehab A**, **Staudt MD**. Centromedian thalamic neuromodulation for the treatment of idiopathic generalized epilepsy. *Front Hum Neurosci.* 2022 Aug 3;16:907716. doi:10.3389/fnhum.2022.907716. PMID:35992953.

Book or Chapter:

Harland TA, **Staudt MD**, Sukul VV. Intrathecal drug delivery for pain. In: Tubbs RS, Iwanaga J, Rizk EB, D'Antoni AV, Dumont AS, editors. *Cerebrospinal fluid and subarachnoid space: Volume 2: Pathology and disorders* Academic Press, 2022 Oct 14. doi:10.1016/C2019-0-00083-0

Mong ER, **Fahim DK**. Minimally invasive treatment of spinal metastasis. In: **Perez-Cruet M**, editor. *Minimally Invasive Spinal Fusion [Working Title]*. London: IntechOpen, 2022 doi:10.5772/intechopen.102485

Staudt MD, Khazen O, Patel S, Slavin KV, Pilitsis JG. Limiting morbidity in neuromodulation. In: Arle JE, Shils JL, editors. *Essential neuromodulation*. 2nd ed, Academic Press, 2022. doi:10.1016/B978-0-12-817000-7.00014-4.

Published Abstracts:

Loving B, Ramanathan, S, Ye H, Marvin K, Fontanesi J, Grills IS, et al, **[Michael D]**. A non-invasive stereotactic radiosurgery instrument stereotactic radiosurgery retreatment of trigeminal neuralgia: Prognostic factors and clinical outcomes. *Int J Radiat Oncol Biol Phys.* 2022 Nov 1;114(3 Suppl):e421. doi:10.1016/j.ijrobp.2022.07.1615.

Perez-Cruet MJ, Ramanathan S, Chaudhry R, **Chieng L**, McKee C, **Rapp A**. Hydrogel matrix human stem cell based nucleus pulposus intervertebral disc regeneration. *J Neurosurg.* 2022 May;136(5). doi:10.3171/2022.5.JNS.AANS2022abstracts.

Invited Presentations:

Asaad W, **Staudt M**, Dougherty D, Goodman W, Richardson R, Sheth. Cases in psychiatric neurosurgery. Congress of Neurological Surgeons Annual Meeting, 2022 Oct 5, San Francisco, CA.

Fahim D. Cerebral cortex anatomy 1. Neurosurgery Grand Rounds, M&M, and Staff Conference. Beaumont Hospital, 2022 Jan 11, Royal Oak, MI.

Fahim D. Cerebral cortex anatomy 2. Neurosurgery Grand Rounds, M&M, and Staff Conference, 2022 Jan 25, Beaumont Hospital, Royal Oak, MI.

Manasseh A, Guider H, Bondy B, Patra S, Burdette D, Haykal A, et al, [**Staudt M**]. Responsive neurostimulation (RNS) of the centromedian nucleus of the thalamus for the treatment of drug resistant idiopathic generalized epilepsy. American Epilepsy Society Annual Meeting, 2022 Dec 5, Orlando, FL.

Perez-Cruet MJ. Complex spine conference. Grand Rounds Lecture Presentation. Beaumont Hospital, 2022 Jan 18, Royal Oak, MI.

Perez-Cruet MJ. Complex spine conference. Grand Rounds Lecture Presentation, 2022 Mar 15, Beaumont Hospital, Royal Oak, MI.

Perez-Cruet MJ. Pertinent anatomy in minimally invasive spine surgery. Grand Rounds Lecture Presentation, 2022 Feb 15, Beaumont Hospital, Royal Oak, MI.

Ponce F, Shih LC, **Staudt M**. Clinical trial innovations in a post-COVID world. American Society for Stereotactic and Functional Neurosurgery Biennial Meeting, 2022 Jun 7, Atlanta, GA.

Rapp A. Long-term analysis of adjacent level pathology in minimally invasive transforaminal lumbar interbody fusion (MI-TLIF). The Spine: Base to Summit, 2022 Jan, Vail, CO.

Rapp A. Long-term outcomes after multi-level lumbar laminectomy. Michigan Association of Neurological Surgeons (MANS) 40th Annual Meeting, 2022 Jun, Boyne Falls, MI.

Serrano C. Post-hemorrhagic hydrocephalus. Beaumont Health Neurosurgery Grand Rounds, M and M, and Staff Conference, 2022 Feb 22, Royal Oak, MI.

Staudt M. Anesthetic considerations for functional and epilepsy neurosurgery. Michigan Association of Nurse Anesthetists Spring Conference, 2022 Apr 29-30, East Lansing, MI.

Zillgitt A, Guider H, Bernard A, Perry V, Manasseh A, Bondy B, et al [**Staudt M**]. Utility of dual signal subspace projection (DSSP) in magnetoencephalography from a patient with a responsive neurostimulator. American Epilepsy Society Annual Meeting, 2022 Dec 5, Orlando, FL.

OTOLARYNGOLOGY

Peer-Reviewed Publications:

Anderson BP, Metz CM. B-cell lymphoblastic lymphoma of the paranasal sinuses: A case study of a rare clinical entity. *Cureus*. 2022 Nov 16;14(11):e31565. doi:10.7759/cureus.31565. PMID:36540538.

Anderson BP, Shifman HP, Hauptert MS, Thottam PJ. Utilization of intranasal ipratropium bromide in the prevention of recurrent croup events: Is it effective? *Int J Pediatr Otorhinolaryngol*. 2022 Oct 12;163:111341. doi:10.1016/j.ijporl.2022.111341. PMID:36257168.

Anderson BP, Sioshansi PC, Conway RM, Minutello K, Bojrab DI, Hong RS, et al, [Sargent EW, Schutt CA, Bojrab DI 2nd, Zappia JJ, Babu SC]. Rate of development of venous thromboembolism in lateral skull base surgery. *Laryngoscope*. 2022 Mar;132(3):662-667. doi:10.1002/lary.29889. PMID:34633085.

Boudiab EM, Peshel EC, Ibrahim Y, Gupta R, Chaiyasate K, Shaheen K, et al, [Rontal M, Thottam PJ]. Treatment of VPI with customized pharyngeal flaps: One size does not fit all. *Plast Reconstr Surg Glob Open*. 2022 Apr 14;10(4):e4255. doi:10.1097/GOX.0000000000004255. PMID:35441063.

Bughrara MS, Almsaddi T, John J, Prentice B, Johnson J, Henriquez O, et al, [Folbe AJ]. Fibrosarcomas of the paranasal sinuses: A systematic review. *Cureus*. 2022 Aug 10;14(8):e27868. doi:10.7759/cureus.27868. PMID:36110445.

Chen T, Ashman PE, Bojrab DI 2nd, Johnson AP, Benson B, Hong RS, et al. Otologic manifestations of Langerhans cell histiocytosis: A systematic review. *Otolaryngol Head Neck Surg*. 2022 Jan;166(1):48-59. doi:10.1177/01945998211004590. PMID:33945752.

Conway RM, Babu SC, Mallany P, Weymon A, Wilkerson BJ. Endolymphatic sac decompression effect on secondary symptoms of Meniere's disease. *Am J Otolaryngol*. 2022 Dec 26;44(2):103777. doi:10.1016/j.amjoto.2022.103777. PMID:36634488.

Conway RM, Sioshansi PC, Babu SC, Tu NC, Schettino AE, Bojrab DI, et al, [Schutt CA]. Audiologic outcomes of footplate drillout for obliterative otosclerosis. *Otol Neurotol*. 2022 Jan 1;43(1):29-35. doi:10.1097/MAO.0000000000003361. PMID:34619729.

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Invited Presentations:

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Folbe A. Sinus anatomy for neurosurgeons. Beaumont Health Neurosurgery Grand Rounds, M and M, and Staff Conference, 2022 Jan 18, Royal Oak, MI.

Fritz CG, **Bojrab DI II, Tu NC, Schutt CA, Bojrab DI, Babu SC**. Hearing durability and trajectory after radiosurgery for vestibular schwannoma. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Hauptert M. Hearing disorders. Beaumont Health Practical Pediatrics Spring, 2022 May 7. Virtual.

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PEDIATRIC SURGERY

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Published Abstracts:

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Harvey R, **Akay B**, Studzinski DM, **Novotny N**, **Stallion A**, **Brahmamdham P**. Let them play: A prospective study of postoperative activity restrictions in children. *Oakland University William Beaumont School of Medicine Embark Capstone Colloquium*, 2022 May 2, Rochester Hills, MI.

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Lai S, Karabon P, Modren R, **Akay B**, **Stallion A**, **Brahmamdham P**. Blunt trauma and diaphragm injury in children: An analysis of the National Trauma Data Bank. *Oakland University William Beaumont School of Medicine Embark Capstone Colloquium*, 2022 May 2, Rochester Hills, MI.

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novel approach. Beaumont Health Research Institute Residents' and Fellows' Research Forum, 2022 Apr, Royal Oak, MI.

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Masters SE, Howard KK, Foote DC, Studzinski DM, Callahan RE, Ivascu FA, et al, **[Akay B]**. The competitive edge: Improving ABSITE scores through a team-based approach. 68th Annual Meeting of the Michigan Chapter of the American College of Surgeons, 2022 May 19, Traverse City, MI.

Masters SE, Howard KK, Foote DC, Studzinski DM, Callahan RE, Ivascu FA, et al, **[Akay B]**. Improving American Board of Surgery in-training examination (ABSITE) scores through a team-based approach. American College of Surgeons Clinical Congress, 2022 Oct 16-20, San Diego, CA.

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Roby K, Barkach C, Studzinski DM, **Novotny NM, Akay B, Brahmamdam P**. Spontaneous pneumomediastinum in children is not associated with esophageal perforation. American Pediatric Surgical Association Annual Meeting (APSA), 2022 May, San Diego, CA and at the Michigan Chapter of the American College of Surgeons Annual Meeting. 2022 May, Traverse City, MI.

Stallion A. HIPEC: Who and when? Beaumont Health Practical Pediatrics Spring, 2022 May 7. Virtual.

Stallion A. Perioperative care of the pediatric surgical patient. Beaumont Health 2022 Perioperative Nursing Conference, 2022 Sep 24. Virtual.

Tolkacz M, Wilhelm S, **Novotny N, Akay B, Brahmamdam P**. Robotic repair of cholecystoduodenal fistula. American College of Surgeons Clinical Congress (ACS), 2022 Oct, San Diego, CA.

Wilhelm S, Kopel L, Perry B, Karabon P, **Novotny N, Akay B**, et al, **[Brahmamdam B]**. Duration of perioperative antibiotic prophylaxis in neonatal surgery: Less is more. Beaumont Health Research Institute Residents' and Fellows' Research Forum, 2022 Apr, Royal Oak, MI and at the Academic Surgical Congress Annual Meeting, 2022 Feb, Orlando, FL.

Wilhelm S, Tolkacz M, **Novotny N, Stallion A, Brahmamdam P, Akay B**. Robotic assisted transabdominal repair of a left-sided morgagni diaphragmatic hernia. American College of Surgeons Clinical Congress (ACS), 2022 Oct, San Diego, CA.

Williams A, Osei S, Karabon P, Studzinski DM, **Akay B, Brahmamdam P**. Perioperative antibiotic use in neonatal general surgery: A survey of APSA membership. Southeast Michigan Center for Medical Education (SEMCMC) 44th Annual Research Forum, 2022 May 25, Detroit, MI.

Ziegler K, **Novotny N**. Simulation: Bridging healthcare and education. 11th Annual Oakland University William Beaumont School of Medicine Davidson Medical Education Week, 2022 May 16-20, Rochester, MI.

PLASTIC SURGERY

Peer-Reviewed Publications:

Boudiab EM, Peshel EC, Ibrahim Y, Gupta R, **Chaiyasate K, Shaheen K**, et al. Treatment of VPI with customized pharyngeal flaps: One size does not fit all. *Plast Reconstr Surg Glob Open*. 2022 Apr 14;10(4):e4255. doi:10.1097/GOX.0000000000004255. PMID:35441063.

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Published Abstract:

Pendergrast RA, **Rosette M**, Genter K, **Veltigian S**. Ostomy through the ages: Creating WOC interventions in response to age-related barriers to ostomy independence and self-care. *J Wound Ostomy Continence Nurs*. 2022 May-Jun;49(3 Suppl):S50.

Invited Presentations:

Chaiyasate K. Aesthetic and functional reconstruction after gunshot wound to the face. 23rd Annual Contemporary Issues in Trauma Nursing – Beaumont, 2022 Oct 7, Troy, MI.

Chaiyasate K. Lymphatic surgery. Surgery/Trauma Grand Rounds, Beaumont Hospital, 2022 Mar 1, Royal Oak, MI.

Chaiyasate K. Open skull base approach and skull. Neurosurgery Grand Rounds, M&M, and Staff Conference. Beaumont Hospital, Royal Oak. 2022 Oct 11, Royal Oak, MI.

THORACIC SURGERY

Peer-Reviewed Publications:

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Invited Presentations:

Watson T. Evolution in the surgical management of lung cancer: The impact of clinical trials. Surgery/Trauma Grand Rounds Lecture Presentation, Sep 6, 2022, Beaumont Hospital, Royal Oak, MI.

VASCULAR SURGERY

Peer-Reviewed Publications:

Abdu RW, **Long GW**, Baker D, Boudiab E, Callahan RE, Studzinski DM, et al, **[Brown OW]**. Intramural hematoma of the thoracic aorta: A single-institution, 12-year experience. *J Vasc Surg*. 2022 Jun;75(6):1872-1881.e1. doi:10.1016/j.jvs.2021.12.077. PMID:35066059.

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Serena T, Bailey W, **Bendix S**. Endovascular management of extensive ilio caval thrombosis secondary to synchronous uterine myoma compression and May-Thurner syndrome. *J Vasc Surg Cases Innov Tech*. 2022 Mar 5;8(2):179-182. doi:10.1016/j.jvscit.2022.01.008. PMID:35402754.

Published Abstract:

Howard R, Albright J, Corriere M, Osborne N, **Laveroni E**, Henke P. Variability and outcomes of medical and lifestyle management of peripheral arterial disease at the time of lower extremity bypass. *J Vasc Surg*. 2022 Jan 1;75(1):e19-20.

Invited Presentations:

Bendix S. Vascular presentation. Family Medicine/Internal Medicine CME Series. 2022 Apr 11. Beaumont Hospital, Grosse Pointe, MI.

Long GW. Making the case for research. Surgery/Trauma Grand Rounds Lecture Presentation, 2022 Oct 4. Beaumont Hospital, Royal Oak, MI.

UROLOGY

Peer-Reviewed Publications:

Abramowitz D, Sam AP, Pachorek M, Ruel N, Martins F, Angulo J, et al, **[Burks FN, Shetty Z]**. Multi-institutional review of non-hypospadiac penile urethral stricture management and outcomes. *Int J Urol*. 2022 May;29(5):376-382. doi:10.1111/iju.14786. PMID:35118726.

Agochukwu-Mmonu N, Qi J, Dunn RL, Montie J, Wittmann D, Miller D, et al, **[Johnston WK 3rd]**. Patient- and surgeon-level variation in patient-reported sexual function outcomes following radical prostatectomy over 2 years: Results from a statewide surgical improvement collaborative. *JAMA Surg*. 2022 Feb 1;157(2):136-144. doi:10.1001/jamasurg.2021.6215. Erratum in: *JAMA Surg*. 2022 Jan 5, PMID:34851369.

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***Vollstedt A, *Tennyson L, Turner K, *Hasenau D**, Saon M, ***McCartney T**, et al, [**Beck D, Gilleran JP, Peters KM**]. Evidence for early cyclosporine treatment for Hunner lesion interstitial cystitis. *Female Pelvic Med Reconstr Surg.* 2022 Jan 1;28(1):e1-e5. doi:10.1097/SPV.0000000000001108. PMID:34608034.

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Published Abstracts:

Butaney M, Johnson A, Bulusu A, Gandham D, Qi J, Jamil M, et al, [**Levin M, Rosenberg BH**]. Reducing post-operative emergency department visits and readmissions after nephrectomy: An initial evaluation of the MUSIC-KIDNEY registry. *Eur Urol.* 2022 Feb, 81(S1):223-224.

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Ching CB, Sweeney DD, Westrum AM, **Burks FN**, Christensen P, Costa JA, et al. The projected impact of COVID-19 on global health services: Taxing an already critically limited resource. J Urol. 2022 May;207(Suppl 5):e479-e480. doi:10.1097/JU.0000000000002573.05.

Chuang YC, **Bartolone S, Ward E**, Lin TK, Chang CC, **Zwaans BMM**, et al, **[Chancellor MB]**. Patients with Alzheimer's disease and neurogenic bladder dysfunction have altered urine hepatocyte growth factor. J Urol. 2022 May;207(Suppl 5):e419-e420. doi:10.1097/JU.0000000000002566.12.

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Gangwish D, Zwaans BMM, Miriani P, Dejoie W, Ajo A, Ervin C, et al, **[Hafron JM]**. Analysis of discontinuation rates and causes of early discontinuation of novel oral hormone therapy in men with advanced prostate cancer. J Urol. 2022 May;207(Suppl 5) :e629-e630. doi:10.1097/JU.0000000000002593.07.

Kim HJ, Daignault-Newton S, DiBianco JM, **Jafri SM, Frontera JR, Seifman B**, et al. Preoperative urine testing for ureteroscopy in the State of Michigan: American Urological Association guideline adherence and clinical implications. J Urol. 2022 May;207(Suppl 5):e230. doi:10.1097/JU.0000000000002542.20.

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***Roberts LH, *Vollstedt A, Eisner H, *Tennyson L, *Shea E, Vargos L, et al, [Tenney D, Zwaans BMM, Sirils LT, Padmanabhan P, Peters KM].** Fractional carbon dioxide vaginal laser for the treatment of urinary symptoms: 12 months results. *J Urol.* 2022 May;207(Suppl 5):e94. doi:10.1097/JU.0000000000002525.05.

***Roberts LH, *Zwaans BMM, Chancellor MB, Peters KM, Padmanabhan P.** The incidence of new or worsening OAB symptoms in patients with prior SARS COV-2 infection. *J Urol.* 2022 May;207(Suppl 5):e363-e364. doi:10.1097/JU.0000000000002559.08.

Shah M, Geisenhoff A, Kraemer S, Qi J, Dave C, Sun F, et al, [Shetty S, Seifman B, Hafron JM]. Patient reported outcomes of urinary incontinence rates using viable cryopreserved umbilical tissue over neurovascular bundles during robotic assisted radical prostatectomy. *J Urol.* 2022 May;207(Suppl 5):e1027. doi:10.1097/JU.0000000000002645.06.

Sharma P, Bartolone S, Ward E, *Carabulea A, Peters KM, Janicki J, et al, [Zwaans BMM, Chancellor MB, *Lamb LE]. A cost and time analysis of participant recruitment and urine sample collection through social media optimization. *J Urol.* 2022 May;207(Suppl 5):e665. doi:10.1097/JU.0000000000002599.03.

Singhal U, Qi J, Ginsberg K, Semerjian A, Maatman T, Dibianco J, et al, [Johnston W, Jafri SM, Rosenberg BH]. Redefining opioid use after prostatectomy: Results from the implementation of a statewide opioid-free pain optimization pathway. *J Urol.* 2022 May;207(Suppl 5):e915. doi:10.1097/JU.0000000000002631.01.

Stephens J, Burks FN. Comparing outcomes of pelvic fracture urethral injury repair in third world countries versus United States. *J Urol.* 2022 May;207(Suppl 5):e485-e486. doi:10.1097/JU.0000000000002573.18.

Ward E, Barolone S, *Carabulea A, Sharma P, Janicki J, Laudano M, et al, [Zwaans BMM, Chancellor MB, *Lamb LE]. Comparing concentration of inflammatory cytokines in IC, OAB, UTI, and bladder cancer urine samples. *J Urol.* 2022 May;207(Suppl 5):e106-e107. doi:10.1097/JU.0000000000002527.05.

Ward E, Bartolone S, *Carabulea A, Janicki J, Peters H, Peters KM, et al, [Zwaans BMM, Chancellor MB, *Lamb LE]. Conducting urology research during COVID-19: Social media-based crowdsourcing of urine samples for biomarker development. *J Urol.* 2022 May;207(Suppl 5):e480. doi:10.1097/JU.0000000000002573.07.

Ward E, Bartolone S, *Carabulea A, *Lamb LE, Chancellor MB, Zwaans BMM. Identification of key molecular players in the development of radiation cystitis through RNA sequencing. *J Urol.* 2022 May;207(Suppl 5):e364. doi:10.1097/JU.0000000000002559.09.

Invited Presentations:

Asantey K, *Meier K, Rollins Z, Banooni AB, Liss Z. Elimination of postoperative narcotics in infant robotic pyeloplasty using caudal anesthesia and a non-narcotic pain pathway. Oakland University William Beaumont School of Medicine Embark Capstone Colloquium, 2022 May 2, Rochester Hills, MI.

Burks FN. Trauma/reconstruction/diversion: External genitalia reconstruction and urotrauma (including transgender surgery). Presentation moderated at: American Urological Association (AUA) Annual Meeting 2022 May 13-16, New Orleans, LA.

Burks FN. Ureteral repair (moderator). American Urological Association (AUA) Annual Meeting, 2022 May 13-16, New Orleans, LA.

Chancellor MB. COVID associated cystitis (CAC). Hands-on Neuromodulation: Sacral, Pudendal, Tibial, Pelvic Pain, 2022 Apr 8, Beaumont Hospital, Royal Oak, MI.

Chancellor MB. Debate: First line medical therapy for a 60 year old female with OAB-beta agonists versus anticholinergics. American Urological Association (AUA) Annual Meeting, 2022 May 13-16, New Orleans, LA.

Diokno AC. Testosterone treatment for hypogonadism and aging related prostate gland diseases: Evidence based new approach. American Urological Association (AUA) Annual Meeting, 2022 May 13-16, New Orleans, LA.

Geisenhoff A, Shah M, Schober M. Make a wish: Happy birthday bladder candle. 96th Annual Meeting of the North Central Section of the American Urological Association, 2022 Aug 28-31, Chicago, IL.

Gilleran JP. Trigger point injections for pelvic pain. Hands-on Neuromodulation: Sacral, Pudendal, Tibial, Pelvic Pain, 2022 Apr 8, Beaumont Hospital, Royal Oak, MI.

Gilleran JP, Kobashi KC, Goudelocke CM, Khan AA. When neuromodulation stops working-a case-based approach to troubleshooting the patient, the practitioner and the device. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) 2022 Winter Meeting, 2022 Feb 22-26, San Diego, CA.

Hafron JM, Boldt-Houie D, Atkinson S. Comparison of major adverse cardiovascular events risk with androgen deprivation therapy by personal history of cardiovascular diseases using real world data. 96th Annual Meeting of the North Central Section of the American Urological Association, 2022 Aug 28-31, Chicago, IL.

Hafron JM. Advanced prostate cancer treatments: The large urology group practice model. American Urological Association (AUA) Annual Meeting, 2022 May 13-16, New Orleans, LA.

Johnston WK III. Balloon debate: Management of asymptomatic 1 cm lower pole stone: Shockwave lithotripsy. 7th Developments in Ureteroscopic Stone Treatment Symposium (DUST) Annual Meeting, 2022 Aug 12-13, Miami, FL

Johnston WK III. Freeing up your hands in endourology. 7th Developments in Ureteroscopic Stone Treatment Symposium (DUST) Annual Meeting, 2022 Aug 12-13, Miami, FL.

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Johnston WK III. Pain relief in ureteroscopy: Listen to the MUSIC. 7th Developments in Ureteroscopic Stone Treatment Symposium (DUST) Annual Meeting, 2022 Aug 12-13, Miami, FL

Johnston WK III. Innovation, Development, Experiments, Assessment (IDEA) Research Forum: CystoAssist's role in reducing ureteral trauma and increasing stentless ureteroscopy. 7th Developments in Ureteroscopic Stone Treatment Symposium (DUST) Annual Meeting, 2022 Aug 12-13, Miami, FL

Klein E, Partin A, Lotan Y, Baniel J, Dineen M, **Hafron JM**, et al. ISOPSA: Clinical performance of a single parameter, structure based test for high grade prostate cancer unaffected by 5-ARI and A-blocker medications. 96th Annual Meeting of the North Central Section of the American Urological Association, 2022 Aug 28-31, Chicago, IL.

Muhammad B, Peters KM. Successful treatment of symptomatic cystitis glandularis presenting as bladder mass, with COX-2 inhibitor: A case report. 96th Annual Meeting of the North Central Section of the American Urological Association, 2022 Aug 28-31, Chicago, IL.

Nandalur K, Walker D, Ye H, Al-Katib SA, **Siefman B, Gangwish D**, et al, [**Zwaans BMM, Hafron JM**]. Expansion of the detrusor muscular ring surrounding the bladder neck on MRI: Moving

beyond the prostate as an etiology of lower urinary tract symptoms due to benign prostatic hyperplasia. Radiological Society of North America (RSNA) Annual Meeting, 2022 Nov 27 – Dec 1, Chicago, IL.

Padmanabhan P. COVID associated cystitis (CAC): Neuromodulation for neurogenic bladder. Hands-on Neuromodulation: Sacral, Pudendal, Tibial, Pelvic Pain, 2022 Apr 8, Beaumont Hospital, Royal Oak, MI.

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