

Report of Research Accomplishments



2020

Beaumont
HEALTH

Report of Research Accomplishments Beaumont Health Research Institute

For more than **55** years, researchers at Beaumont have helped to 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 Beaumont physicians, scientists and staff.

Outstanding biomedical research is a major component of the excellent reputation of Beaumont Health 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 of key programs. This commitment has helped to forge the reputation of Beaumont Health as a leading academic health system, with recognition by U.S. News and World Report, a distinction which places Beaumont in the forefront of medicine in the U.S.

With Beaumont Health's role as the health care affiliate of the Oakland University William Beaumont School of Medicine, our research activities, graduate medical education, and scholarly endeavors are even more important. Our Board of Directors and senior leadership have 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) is steadily increasing the requirements for excellence in both faculty research achievement and resident/fellow research training in order to maintain full accreditation for residency and fellowship programs. The Board for Accrediting Level 1 Trauma Center status, presently achieved by Beaumont Royal Oak, now requires productivity of 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 research opportunities for medical students. The OUWB medical school provides further impetus to enhance biomedical research at both Beaumont and Oakland University, to integrate research activities between the two institutions, and to initiate new programs, centers, and collaborative projects shared by both institutions. Beaumont and Oakland University already have several areas of long-standing ongoing research collaboration.

Beaumont research is heavily oriented towards translational research, investigating new treatments, pharmaceuticals, medical devices, and scientific approaches aimed at enhancing the excellence and safety of patient care. Beaumont has a robust program of clinical research, with over 1,200 trials. Beaumont's clinical services are superb, providing the standard upon which new and innovative research is built. The volume of patients served at Beaumont, combined with the excellence of clinical care, provides a striking opportunity to develop new treatments. Moving forward, Beaumont Health 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 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 Beaumont's academic excellence, including our affiliation with OUWB. We extend our congratulations and appreciation to the many investigators who have contributed these extraordinary achievements.



Beaumont Research Institute 2020 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 801 residents and 109 fellows, and 150 research staff.

Funding

Research Institute actual operations \$31.3M

External Sources of Research Funding

- Non-Federal sponsors 18 %
- Federal sponsors 18 %
- Philanthropic sponsors 24 %
- Intellectual Property 40 %

Types of Research at Beaumont Health

Percentage of expenses

- Clinical Research 42 %
- Pre-Clinical Research 58 %

External Research Funding by Service Line

- Radiation Oncology 31 %
- Urology 12 %
- Emergency 5 %
- Infectious Diseases 5 %
- Orthopaedics 5 %
- Cardiology 4 %
- Other Service Line 11 %
- Intellectual Property 27 %

Clinical Research

- 1,510 clinical studies
- 378 interventional studies
- 1,132 non-interventional studies
- 459 active principal investigators
- 25,369 registered research participants

Educational Opportunities for Research Staff

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

Support Staff Available

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

Support for the Research Institute

- AAALAC accredited animal facility
- AAHRPP accredited human research protection program
- Beaumont Research Coordinating Center
- 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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BEAUMONT HOSPITAL
Royal Oak, Troy, Grosse Pointe

ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Peer Reviewed Articles:

Alslaim HS, **Banooni AB**, Shaltaf A, Novotny NM. Tracheoesophageal fistula in the developing world: Are we ready for thoracoscopic repair? *Pediatr Surg Int* 2020 May;36(5):649-654.

Bittinger AC, Dunn K, **Hranchook A**, Codier E. Relationship between emotional intelligence and occupational stress levels among certified registered nurse anesthetists. *AANA J* 2020, October;88(5):398-404.

Easton RW, Nicholas S, Papakonstantinou N, Vibert B, Ahlgren B, **Silvasi D**, et al, **[Smith G]**. ERAS vs non-ERAS: Protocol implementation resulted in significant outcomes improvement in patients undergoing lumbar spine fusion. *The Spine Journal*, Volume 20, Issue 9, Supplement, September 2020.

Fischgrund JS, Rhyne A, Macadaeg K, Moore G, Kamrava E, Yeung C, et al, **[*Sikorsky M]**. Long-term outcomes following intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: 5-year treatment arm results from a prospective randomized double-blind sham-controlled multi-center study. *European Spine Journal* August 2020;29(8):1925-1934.

Khanna A, Bergese S, Jungquist C, Morimatsu H, Uezono S, Lee S, et al, **[Soto R]**. Prediction of opioid-induced respiratory depression on inpatient wards using continuous capnography and oximetry: An international prospective, observational trial. *Anesthesia and Analgesia*. October 2020;131:1012-1024.

Kheterpal S, Vaughn M, Dubovoy T, Shah N, Bash L, Colquhoun D, et al, **[Soto R]**. Sugammadex versus neostigmine for reversal of neuromuscular blockade and postoperative pulmonary complications (STRONGER): A multicenter matched cohort analysis. *Anesthesiology* June 2020;132:1371-1381.

Lau WC, Shannon FL, Hanzel GS, Safian RD, Abbas AE, Sakwa MP, et al, **[Fayne RJ]**. Transfemoral transcatheter aortic valve replacement using fascia iliaca block as an alternative approach to conscious sedation as compared to general anesthesia. *Cardiovasc Revasc Med*, 2020 May;21(5):594-601.

Lee Y, **Banooni A**, Yuki K, Staffa SJ, DiNardo JA, Brown ML. Incidence and predictors of post-operative nausea and vomiting in children undergoing electrophysiology ablation procedures. *Paediatr Anaesth*, 2020 February;30(2):147-152.

Mathis M, Naik I, Freundlich R, Shanks A, Heung M, Kim M, et al, **[Soto R]**. Multicenter perioperative outcomes group investigators. Preoperative risk and the association between hypotension and postoperative acute kidney injury. *Anesthesiology*, March 2020;132:461-475.

ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Invited Research Presentations:

Al-Attar N, Mossa-Basha, Aslani K. Lung protective strategies in the PICU: High-Frequency Oscillatory Ventilation (HFOV) indications and weaning parameters. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Al-Attar N, Mossa-Basha N, Manders L. Pharmacologic immobilization: Post-operative pain control and sedation in cerebral palsy patients at risk for wound dehiscence. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Chokr M, Vahabzadeh C. Von Willebrand disease and the strategy for successful neuraxial anesthesia in pregnancy. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Chokr M, *De Vera I. A unique case of respiratory failure following cervical fusion. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Cruz A, *Bhatti A. A breath of fresh airway: Considerations in the patient with complex neck trauma. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Cruz A, *Bastani A. The straight and narrow: Equipment failure in the ARDS patient. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Dakhlallah N, Soto R. Unusual presentation of pulmonary embolism. Post Graduate Assembly in Anesthesiology (PGA) Meeting, December 10-14, 2020.

Dakhlallah N, Katz E, Markatos S, *Kouatli Y. COVID-19 pneumonia requiring intubation in pregnancy. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Daklallah Y, Kraemer J, *Kouatli Y. Usage of blood salvage in a cancer patient during massive transfusion. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Daklallah Y, Kraemer J, *Kouatli Y. Upper extremity amputation after hemipelvectomy in a morbidly obese patient. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Fuentes P, **Mossa-Basha N, Soto R.** COVID-19 respiratory failure in patient with obstetric complications. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Ibironke O, **Nowak Z, Soto R.** Pressure-induced necrosis management: A challenging case report. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Invited Research Presentations:

Ibironke O, Nowak Z, Soto R. Challenges of pain management in the context of suspected medication divergence. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Katz E, *Faulkner M. Complications of central line placement in the setting of subcutaneous emphysema. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Katz E, *Faulkner M. Pain management considerations in the COVID positive laboring parturient. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Khan H, Laney M, Soto R. Pain free weight loss. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Khan H, Toma B, Murray R. Allergic stridor after thyroidectomy. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Kraemer J, De Vera I. Venous air embolism during laparoscopic pyloromyotomy. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Kraemer J, Sternberg DI. Suspected embolic event during idiopathic scoliosis correction surgery. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Laney M, Soto R. Airway management and cuff leak in Ludwig's angina. American Society of Anesthesiology Annual Meeting Washington, DC, October 2-5, 2020. Virtual.

Laney M, Soto R. Anesthetic planning for delivery of triplets in patient with pulmonary atresia. American Society of Anesthesiology Annual Meeting Washington, DC, October 2-5, 2020. Virtual.

Maheshwari N, Ohanian S. Airway management in Crouzon syndrome. American Society of Anesthesiology Annual Meeting Washington, DC, October 2-5, 2020. Virtual.

Maheshwari N, Soto R. Introducing narcotic medications in the palliative care setting. American Society of Anesthesiology Annual Meeting Washington, DC, October 2-5, 2020. Virtual.

Markatos S, Mossa-Basha N, Hnatiuk N. Ketorolac, ondansetron, and atropine as a treatment for anaphylactoid syndrome of pregnancy. American Society of Anesthesiology Annual Meeting Washington, DC, October 2-5, 2020. Virtual.

Markatos S, *Larson B, Asbahi M. Risk of anaphylaxis with chlorhexidine impregnated central venous catheters. American Society of Anesthesiology Annual Meeting Washington, DC, October 2-5, 2020. Virtual.

Mossa-Basha N, Tobes D, Glaeser A. Is it from the epidural? Acute CVA management in the post-partum patient. American Society of Anesthesiology Annual Meeting Washington, DC, October 2-5, 2020. Virtual.

ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Invited Research Presentations:

Mossa-Basha N, Fuentes P, Hnatiuk N. Management of severe anemia in a Jehovah's witness patient with HELLP syndrome and pre-eclampsia with severe features. American Society of Anesthesiology Annual Meeting Washington, DC, October 2-5, 2020. Virtual.

Nowak Z, Soto R. Why is the patient sweating? Management and treatment of an intraoperative MI. American Society of Anesthesiology Annual Meeting Washington, DC, October 2-5, 2020. Virtual.

Nowak Z, Soto R. Novel method of intubation with a rigid laser endotracheal tube and proline suture. American Society of Anesthesiology Annual Meeting Washington, DC, October 2-5, 2020. Virtual.

Nowatzke R, Chokr M, Soto R. COVID-19 resulting in acute myocardial injury and mortality. American Society of Anesthesiology Annual Meeting Washington, DC, October 2-5, 2020. Virtual.

Nowatzke R, Chokr M, *Eichenbaum K. Angiotensin converting enzyme inhibitor induced angioedema. American Society of Anesthesiology Annual Meeting Washington, DC, October 2-5, 2020. Virtual.

Reilly E, Mic M, Manders L. Bilateral lead fracture in an implanted spinal cord stimulator system. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Reilly E, Maheshwari N, Mic M, Manders L. Airway management in the setting of a traumatic dens fracture. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Soto R. Prehabilitation for the frail patient. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Tobes D, Kraemer J, Skolnik B. Dissecting complicated labor: A parturient after a spontaneous coronary dissection. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Tobes D, Toma B, De Vera I, Folbe M. No oral opening? No problem! American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Toma B, Kraemer J, Manders L. Genicular nerve stimulation for intractable knee pain. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Toma B, *Sikorsky M. An unusual case of a spinal cord stimulator battery rupture. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

Vanood A, **Laney M, *Yaldou B.** Early discontinuation of perioperative intravenous lidocaine infusion: A missed opportunity. American Society of Anesthesiology Annual Meeting, Washington, DC, October 2-5, 2020. Virtual.

ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Invited Research Presentations:

Yousef J, Soto R. Flash pulmonary edema secondary to myxoma. Post Graduate Assembly in Anesthesiology (PGA) Meeting, December 10-14, 2020.

Abstracts with Associated Research Presentations:

Easton RW, Ahlgren B, Papakonstantinou,N, Vibert B, **Silvasi D, Smith G**, et al. A newly implemented ERAS utilizing multi-modal analgesia with intraoperative methadone reduces in-patient total opioid consumption in patients undergoing lumbar fusion. 2020 Annual Congress of Enhanced Recovery and Perioperative Medicine, Baltimore, Maryland. April 2020. Virtual.

Non-Peer Reviewed Research Publications:

Reilly E, Walters B. A brief history of the endotracheal tube. Emergency Physicians Monthly, November 2020, Volume 27, Issue 11.

Maheshwari R, Soto R. Face masks during COVID-19. The Ventilator, Winter 2020.

BIOBANK

Peer-Reviewed Articles:

Almahariq MF, Quinn TJ, Arden JD, Roskos PT, **Wilson GD**, Marples B, et al, [**Grills IS, Chen PY, Krauss DJ**]. Pulsed radiation therapy for the treatment of newly diagnosed glioblastoma. *Neuro Oncol*, July 13, 2020.

Clark DJ, Dhanasekaran SM, Petralia F, Pan J, Song X, Hu Y, et al, [**Wilson GD, Pruetz BL**]. Integrated proteogenomic characterization of clear cell renal cell carcinoma. *Cell*, January 2020; 180(1):207.

Dou Y, Kawaler EA, Cui Zhou D, Gritsenko MA, Huang C, Blumenberg L, et al, [***Karabon R, Wilson GD**]. Proteogenomic characterization of endometrial carcinoma. *Cell*, February 2020; 180(4):729-748.

Douglas JK, Callahan RE, Hothem ZA, Cousineau CS, Kawak S, ***Thibodeau BJ**, et al. Genomic variation as a marker of response to neoadjuvant therapy in locally advanced rectal cancer. *Mol Cell Oncol*, March 2020;7(3):1716618.

Gillette MA, Satpathy S, Cao S, Dhanasekaran SM, Vasaikar SV, Krug K, et al, [**Wilson GD, Pruetz BL**]. Proteogenomic characterization reveals therapeutic vulnerabilities in lung adenocarcinoma. *Cell*, July 2020;182(1):200-225.

Marples B, **Wilson GD**. Predicting outcome using genomic-based liquid biomarkers. *Int J Radiat Oncol Biol Phys*, 2020 January 1;106(1):1-4.

Pinatti LM, Sinha HN, Brummel CV, Goudsmit CM, ***Geddes TJ, Wilson GD**. Association of human papillomavirus integration with better patient outcomes in oropharyngeal squamous cell carcinoma. *Head Neck*, October 19, 2020.

Wilson GD, *Wilson TG, Hanna A, Dabjan M, Buelow K, *Torma J, et al, [**Galoforo S**]. Dacomitinib and gedatolisib in combination with fractionated radiation in head and neck cancer. *Clin Transl Radiat Oncol*, 2020 November 8;26:15-23.

Wilson GD, Wilson TG, Hanna A, Kulchycki J, Buelow K, Pruetz BL, et al. Low dose irradiation reduces amyloid- β and tau in 3xTg-AD mice. *J Alzheimers Dis*, May 5, 2020;75(1):15-21.

***Wilson TG, Hanna A, Recknagel J, Pruetz BL, Baschnagel AM, Wilson GD**. Prognostic significance of MTOR expression in HPV positive and negative head and neck cancers treated by chemoradiation. *Head Neck*, February 2020;42(2):153-162.

Yilmaz A, Ugur Z, Bisgin H, Akyol S, Bahado-Singh R, **Wilson GD**, et al. Targeted metabolic profiling of urine highlights a potential biomarker panel for the diagnosis of Alzheimer's disease and mild cognitive impairment: A pilot study. *Metabolites*, August 2020;10(9):357.

CARDIOVASCULAR MEDICINE

Peer Reviewed Articles:

Abbas AE, Mando R, *Hanzel G, Goldstein J, Shannon F, Pibarot P. Hemodynamic principles of prosthetic aortic valve evaluation in the transcatheter aortic valve replacement era. *Echocardiography*, 2020 May;37(5):738-757.

Abbas AE. Prosthesis-patient mismatch following transcatheter aortic valve replacement: Does size matter? *JACC Cardiovasc Interv*, 2020 January 13;13(1):138.

Abbas AE. Letter by Abbas regarding articles, balloon-expandable versus self-expanding transcatheter aortic valve replacement: A propensity-matched comparison from the FRANCE-TAVI registry and “Impact of sapien 3 balloon-expandable versus evolut r self-expandable transcatheter aortic valve implantation in patients with aortic stenosis: Data from a nationwide analysis”. *Circulation*, 2020 June 16;141(24).

Ades PA, Balady GJ, Berra K, **Franklin BA**, Froelicher V, Hamm LF, et al. The Journal of Cardiopulmonary Rehabilitation and Prevention at 40 years and its role in the evolution of cardiac rehabilitation. *J Cardiopulm Rehabil Prev*, 2020 January;40(1):2-8.

Al'Aref SJ, Singh G, Choi JW, Xu Z, Maliakal G, van Rosendael AR, et al, [**Chinnaiyan KM, Raff GL**]. A boosted ensemble algorithm for determination of plaque stability in high-risk patients on coronary CTA. *JACC Cardiovasc Imaging*, 2020 October;13(10):2162-2173.

Al'Aref SJ, Maliakal G, Singh G, van Rosendael AR, Ma X, Xu Z, et al, [**Chinnaiyan KM, Raff GL**]. Machine learning of clinical variables and coronary artery calcium scoring for the prediction of obstructive coronary artery disease on coronary computed tomography angiography: Analysis from the CONFIRM registry. *Eur Heart J*, 2020 January 14;41(3):359-367.

Baskaran L, Al'Aref SJ, Maliakal G, Lee BC, Xu Z, Choi JW, et al, [**Chinnaiyan KM, Raff GL**]. Automatic segmentation of multiple cardiovascular structures from cardiac computed tomography angiography images using deep learning. *PLoS One*, 2020 May 6;15(5).

Bax AM, van Rosendael AR, Ma X, van den Hoogen IJ, Gianni U, Tantawy SW, et al, [**Chinnaiyan KM**]. Comparative differences in the atherosclerotic disease burden between the epicardial coronary arteries: Quantitative plaque analysis on coronary computed tomography angiography. *Eur Heart J Cardiovasc Imaging*, 2020 November 20;275.

Bloomingdale R, Safian RD. What's so anomalous about anomalous coronary arteries? *Catheter Cardiovasc Interv*, 2020 August;96(2):328-329.

Boyd R, Danforth MD, Rapoport G, Sleeper MM, Devlin WH, **Kutinsky I**, et al. Great ape heart project guidelines for the echocardiographic assessment of great apes. *J Zoo Wildl Med*, 2020 January 9;50(4):822-836.

CARDIOVASCULAR MEDICINE

Peer Reviewed Articles:

Bradley CJ, Haines DE. Pulsed field ablation for pulmonary vein isolation in the treatment of atrial fibrillation. *J Cardiovasc Electrophysiol*, 2020 August;31(8):2136-2147.

Brown EC, **Franklin BA**, Regensteiner JG, Stewart KJ. Effects of single bout resistance exercise on glucose levels, insulin action, and cardiovascular risk in type 2 diabetes: A narrative review. *J Diabetes Complications*, 2020 August;34(8):107610.

***Cami E, Tagami T, Raff G, Gallagher MJ**, Fan A, Hafeez A, et al, [**Willner SJ, George J, Bilolikar A, Chinnaiyan KM, Safian RD**]. Importance of measurement site on assessment of lesion-specific ischemia and diagnostic performance by coronary computed tomography angiography-derived fractional flow reserve. *J Cardiovasc Comput Tomogr*, 2020 August 29;S1934-5925(20)30413-5.

Carroll JD, Mack MJ, Vemulapalli S, Herrmann HC, Gleason TG, ***Hanzel G**, et al. STS-ACC TVT registry of transcatheter aortic valve replacement. *J Am Coll Cardiol*, 2020 November 24;76(21):2492-2516; *Ann Thorac Surg*, 2020 November 16;S0003-4975(20)31514-9.

Chen S, David SW, Khan ZA, Metzger DC, Wasserman HS, Lotfi AS, et al, [**Hanson ID, Dixon SR**]. One-year outcomes of supersaturated oxygen therapy in acute anterior myocardial infarction: The IC-HOT study. *Catheter Cardiovasc Interv*, 2020 July 10.

Chinnaiyan KM, Safian RD, Gallagher ML, George J, Dixon SR, Bilolikar AN, et al, [**Abbas AE, Shoukfeh M, Brodsky M, Stewart J, Cami E, Forst D, Timmis S, Crile J, Raff GL**]. Clinical use of CT-derived fractional flow reserve in the emergency department. *JACC Cardiovasc Imaging*, 2020 February;13(2 Pt 1):452-461.

Choi JW, van Rosendael AR, Bax AM, van den Hoogen IJ, Gianni U, Baskaran L, et al, [**Chinnaiyan KM**]. The Journal of Cardiovascular Computed Tomography year in review - 2019. *J Cardiovasc Comput Tomogr*, 2020 March-April;14(2):107-117.

Cloutier Barbour C, Danforth MD, Murphy H, Sleeper MM, **Kutinsky I**. Monitoring great ape heart health through innovative electrocardiogram technology: Training methodologies and welfare implications. *Zoo Biol*, 2020 September 10.

Conte E, Dwivedi A, Mushtaq S, Pontone G, Lin FY, Hollenberg EJ, et al, [**Chinnaiyan KM, Raff GL**]. Age- and sex-related features of atherosclerosis from coronary computed tomography angiography in patients prior to acute coronary syndrome: Results from the ICONIC study. *Eur Heart J Cardiovasc Imaging* 2020 August 13.

Fairbairn TA, Dobson R, Hurwitz-Koweek L, Matsuo H, Norgaard BL, Rønnow Sand NP, et al, [**Chinnaiyan KM, Raff GL**]. Sex differences in coronary computed tomography angiography-derived fractional flow reserve: Lessons from ADVANCE. *JACC Cardiovasc Imaging*, 2020 December;13(12):2576-2587.

CARDIOVASCULAR MEDICINE

Peer Reviewed Articles:

Ferraro RA, van Rosendaal AR, Lu Y, Andreini D, Al-Mallah MH, Cademartiri F, et al, **[Chinnaiyan KM, Raff GL]**. Non-obstructive high-risk plaques increase the risk of future culprit lesions comparable to obstructive plaques without high-risk features: The ICONIC study. *Eur Heart J Cardiovasc Imaging*, 2020 September 1;21(9):973-980.

Franklin BA, Brubaker PH, Harber MP, Lavie CJ, Myers J, Kaminsky LA. The Journal of Cardiopulmonary Rehabilitation and Prevention at 40 years and its role in promoting lifestyle medicine for prevention of cardiovascular diseases: Part 1. *J Cardiopulm Rehabil Prev*, 2020 May;40(3):131-137.

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CARDIOVASCULAR MEDICINE

Invited Research Presentations:

Abbas A, Kadri A, Okuno T, Elmariah S, Almany SL, Hanzel G, et al. The impact of valvular hemodynamics post TAVR for native aortic valve stenosis on 1-year outcomes: Multicenter international retrospective study. TCT, Miami, FL, September 23-27.

Allen O, Dixon SR. Unstable angina in a low risk patient: Zero does not mean no risk. American College of Cardiology/World Congress of Cardiology 2020, Chicago, IL, March 28-30, 2020.

Assar S, **Mando R, Gaines R, *Hanzel GS, Shannon F, Hanson ID, et al, [Almany S, Safian RD, Kerner N, Gallagher M, Abbas AE].** The effect of flow and gradient on the acceleration and ejection times and their ratio in patients with severe aortic stenosis. American College of Cardiology/World Congress of Cardiology, Chicago, IL, March 28-30, 2020.

Bloomingdale R, Vira A, Trivax J, Kado H. Spontaneous pulmonic intratumoral airway-vascular fistula resulting in massive STEMI and cardiac arrest. American College of Cardiology/World Congress of Cardiology 2020, Chicago, IL, March 28-30, 2020.

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Bradley C, Williamson B, *Varma D, Dai S, Douglas A, George J, et al, [Nori D, Al-Ameri H, Haines D]. HIS bundle implant outcomes and one-year capture threshold. 16th Annual European Cardiac Arrhythmia Society, Marseille, France, April 2-4, 2020.

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Gaines R, Mando R, Tucker C, Assar S, Hite A, *Hanzel GS, et al, [Gallagher M, Almany S, Safian R.D, Kerner N, Abbas AE]. CT versus echocardiographic stroke volume index to invasively derived cardiac index to assess flow in patients with aortic stenosis. American College of Cardiology, ACC 2020 World Congress of Cardiology, Chicago, IL, March 28-30, 2020.

Gaines R, Mando R, Tucker C, Assar S, Hite A, *Hanzel GS, et al, [Gallagher M, Almany S, Safian RD, Kerner N, Abbas AE]. Echocardiographic vs. computed tomographic-derived energy loss index compared to invasive aortic valve area in aortic stenosis. American College of Cardiology, ACC 2020 World Congress of Cardiology, Chicago, IL, March 28-30, 2020.

Hite A, **Abbas A, Hanzel G, Shannon F, Almany SL, Hanson I, et al.** Invasive versus echocardiographic gradients post valve in valve TAVR: A multi-center trial. JACC, September 23-27, 2020.

CARDIOVASCULAR MEDICINE

Invited Research Presentations:

Kelly R, Ledvina A, Otero R, **Gaines R, Abbas AE**, Dalal B, et al. Epidemiologic differences in respiratory failure due to COVID-19 in a large suburban healthcare system. American College of Emergency Physicians Research Forum 2020: Virtual Research Forum. October 26, 2020.

Langnas E, Mustafa S, **Vira A, Bilolika A**. Rapidly progressing purulent pericarditis caused by neisseria meningitidis infection. Chest Annual Meeting 2020, October 18-21, 2020. Virtual.

Mustafa S, Zafar M, Langnas E, **Vira A, Hanson ID**. Intractable hemolysis after post-myocardial infarction ventricular septal defect closure. Chest Annual Meeting 2020, October 18-21, 2020. Virtual.

O'Connell T, Tiska J, George J, **Safian R, Chinnaiyan KM**. Coronary CTA and CT-derived fractional flow reserve: Gatekeepers to invasive angiography in patients with high pre-test probability of coronary artery disease. American College of Cardiology, 2020 World Congress of Cardiology, Chicago, IL, March 28-30, 2020.

Sheikh MA, Kong X, Haymart B, Gu X, Kaatz S, Krol G, et al, **[Almany S]**. Low bleeding risk procedures: Should we let DOAC be? Thrombosis & Hemostasis Summit of North America 2020; Short Talk, October 28, 2020.

Tagami T, Bilolika N. Use of coronary tomography angiography to detect coronary artery disease in breast cancer survivors previously treated with radiotherapy. Online presentation, Society of Cardiovascular Computed Tomography Annual Conference, July 17-18, 2020.

Tagami T. Bio-pella support in cardiogenic shock. Houston Shock Symposium. Houston, TX, March 8, 2020.

CARDIOVASCULAR MEDICINE

Abstracts with Associated Research Presentations:

Abbas A, Kadri A, Okuno T, Elmariah S, **Almany SL**, ***Hanzel G**, et al. The impact of valvular hemodynamics post TAVR for native aortic valve stenosis on 1-year outcomes. A multicenter international retrospective study. TCT, Miami, FL, October 14-18, 2020.

Hite A, **Abbas A**, ***Hanzel G**, **Shannon F**, **Almany SL**, **Hanson ID**, et al. Invasive versus echocardiographic gradients post valve in valve TAVR: A multi-center trial. TCT, Miami, FL, October 14-18, 2020.

Langnas E, Mustafa S, **Vira A**, **Bilollikar A**. Rapidly progressing purulent pericarditis caused by neisseria meningitides infection. Annual Meeting of CHEST, October 14-18, 2020, Virtual.

COLON AND RECTAL SURGERY

Peer Reviewed Articles:

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*Douglas J, Callahan R, Hothem Z, Cousineau C, Kawak S, *Thibodeau B, et al, [Bergeron S, Li W, Peeples C, Wasvary H]. Genomic variation as a marker of response to neoadjuvant therapy in locally advanced rectal cancer. Journal Molecular and Cellular Oncology, March 2, 2020, Vol. 7;3.

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Ziegler M, Bauman J, Welsh R, Wasvary H. Can the American College of Surgeons national surgical quality improvement program risk calculator predict outcomes for urgent colectomies? Am Surg, December 21, 2020.

COLON AND RECTAL SURGERY

Abstracts with Associated Research Presentations:

Bauman J, Ziegler M, Welsh R, Wasvary H. Can the American College of Surgeons national surgical quality improvement program risk calculator predict outcomes for urgent colectomies? The American Society of Colon and Rectal Surgeons Annual Meeting, Boston, MA, June 6-10, 2020.

***Daneshvar M, Colvin R, Piziali D, Raofi V, Bergeron S, Wasvary H.** 18-Month outcomes in patients who have undergone hyperthermic intraperitoneal chemotherapy (HIPEC) for peritoneal disease. Oakland University William Beaumont Hospital School of Medicine Graduate Student Research Conference. Rochester, MI, March 19, 2020.

Diaz SE, **Hain JM**, Morgan B, McClure A. Quick shots of distinction. American Society of Colon and Rectal Surgeons Annual Scientific Meeting, Boston, MA, June 6-10, 2020.

***Eed J, Wasvary H.** Incorporation of enhanced recovery after surgery program and impact on surgical outcomes. Oakland University William Beaumont Hospital School of Medicine Graduate Student Research Conference, Rochester, MI, March 19, 2020.

Friedman R, Wasvary J, Ziegler M, Wasvary H. Adopting the national accreditation program for rectal cancer guidelines improves compliance with pretreatment rectal cancer care standards. Michigan Society of Colon and Rectal Surgeons Annual Meeting, Taylor, MI, October 2020.

Hart B, Diaz S, **Hain JM.** Diversion colitis resulting in perforation and abscess formation. American College of Osteopathic Surgeons Virtual Annual Clinical Assembly, October 20-23, 2020.

Hilli R, Habra M, Wasvary H. Does day of the week impact length of stay in colorectal patients under ERAS pathways? The American Society of Colon and Rectal Surgeons Annual Meeting. Boston, MA, June 6-10, 2020.

Kawak S, Wasvary J, Ziegler M. Opioid requirements in laparoscopic colectomies: Do ERAS protocols make a difference? The American Society of Colon and Rectal Surgeons Annual Meeting, Boston, MA, June 6-10, 2020.

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***Tarhuni M, Kohanan P, Wasvary H.** Tumor regression grade as a clinical marker of long-term survival in locally advanced rectal cancer treated with neoadjuvant chemoradiation therapy. Oakland University William Beaumont Hospital School of Medicine Graduate Student Research Conference, March 19, 2020.

DIAGNOSTIC RADIOLOGY AND MOLECULAR IMAGING

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Bartholomew B, ***Patel SR**. Achondroplasia and chari 1 malformation. American College of Radiology (ACR) Case in Point, April 13, 2020.

Freij BJ, Gebara BM, Tariq R, **Wang AM**, Gibson J, El-Wiher N, et al. Fatal central nervous system co-infection with SARS-CoV-2 and tuberculosis in a healthy child. BMC Pediatr, 2020 September 9;20(1):429-1.

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DIAGNOSTIC RADIOLOGY AND MOLECULAR IMAGING

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Vanood A, Young AL, Leleszi E, **Krishnan A**. Symptomatic neurocutaneous melanosis: Mild clinical onset in a teenager. BMJ Case Report, 2020 November 30;13(11).

DIAGNOSTIC RADIOLOGY AND MOLECULAR IMAGING

Book Chapter or Full Book Publications:

Wu D. Clinical nuclear medicine neuroimaging: An instructional casebook. Springer International Publishing. May 12, 2020.

DIAGNOSTIC RADIOLOGY AND MOLECULAR IMAGING

Abstracts with Associated Research Presentations:

Arora S, **Nandalur KR**, et al. Post-ablation prostate imaging reporting and data system (PAPI-RADS): Preliminary evaluation after whole-gland MRI-guided transurethral ultrasound ablation (TULSA). Society of Abdominal Radiology (SAR) Annual Scientific Meeting and Educational Course, Maui, HI, March 1-6, 2020.

Arora S, **Nandalur KR**, et al. Pivotal study of MRI-guided transurethral ultrasound ablation (TULSA) in men with localized prostate cancer. Society of Abdominal Radiology (SAR) Annual Scientific Meeting and Educational Course, Maui, HI, March 1-6, 2020.

Chapman J, Palamara E, Al-Katib S. Small bowel diverticulitis: Spectrum of CT findings from review of 95 cases. American Roentgen Ray Society (ARRS) Annual Meeting, ay 3-8, 2020. Virtual.

Clement D. *Tominna M, Wang A. Difficult diagnoses: Acute neurologic deficits due to spinal cord infarct. American Society of Neuroradiology (ASNR) 58th Annual Meeting, May 30-June 4, 2020. Virtual.

Colvin R, Savin JH, Kirsch A, *Roberson J, Lal N, Al-Katib S. Reproducibility of ventricular diameter ratio measurements in acute pulmonary embolism at an academic institution. International Symposium on Endovascular Therapy (ISET) Annual Meeting, Hollywood, FL, January 22-25, 2020.

Colvin R, Savin JH, Kirsch A, *Roberson J, Lal N, Al-Katib S. Reproducibility of ventricular diameter ratio measurements in acute pulmonary embolism at an academic institution. Michigan Radiological Society (MRS) 23rd Annual Resident Section Conference, Novi, MI, February 7, 2020. **Diagnostic Radiology Abstract Winner.**

Colvin R, Savin J, Kirsch A, *Roberson J, Lal N, Al-Katib S. Interventricular septal bowing on CT associated with longer length of stay in patients undergoing catheter-directed therapy for pulmonary embolism. Society of Thoracic Radiology (STR) Annual Meeting, Indian Wells, CA, March 8-11, 2020.

Colvin R, *Chapman J, Piziali D, Campbell J, Al-Katib S. Increasing radiation monitoring badge use and return compliance among radiology residents. American Roentgen Ray Society (ARRS) Annual Meeting, May 3-8, 2020. Virtual.

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Green A, Basmaji C, Shetty M. Scrotal ultrasound in the emergency room: A case-based review of the essentials. American Roentgen Ray Society (ARRS) Annual Meeting, May 3-8, 2020. Virtual.

DIAGNOSTIC RADIOLOGY AND MOLECULAR IMAGING

Abstracts with Associated Research Presentations:

Gupta R, ***Walworth G, Al-Katib S**. Pulmonary infarct. RSNA case collection. Radiologic Society of North America. December 16, 2020.

John J, ***Mapkar Z, Al-Katib S**. Stroke following CT guided chest biopsy. RSNA case collection. Radiologic Society of North America, May 18, 2020.

Joshi R, *Wiegmann D, Yadavalli S. Stable or unstable: Recognizing and classifying C-spine trauma. American Roentgen Ray Society (ARRS) Annual Meeting, May 3-8, 2020. Virtual.

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Kelsch R, Krishnan A, Nolan, D. Unusual case of biotin-thiamine responsive encephalopathy without basal ganglia involvement. American Society of Neuroradiology (ASNR) 58th Annual Meeting, May 30-June 4, 2020. Virtual.

Kelsch R, Krishnan A, *Goncalves L. Pre- and post-natal imaging of a patient with Dandy-Walker malformation in combination with pontine tegmental cap dysplasia: Novel case and possible etiology. American Society of Neuroradiology (ASNR) 58th Annual Meeting, May 30-June 4, 2020. Virtual.

Kelsch R, Soan M, *Patel S. Case of stimulant induced posterior cerebral artery vasospasm. Beaumont Resident and Fellow Research Forum 2020, Beaumont Hospital, Royal Oak, MI. May 2020.

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Loudon NE, Asare B, ***Osetek A, Dixit PK**. Cost analysis of ultrasound-enhanced catheter use in the treatment of pulmonary embolism. International Symposium on Endovascular Therapy (ISET) Annual Meeting, Hollywood, FL, January 22-25, 2020.

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***Mettler J, Al-Katib S, Farah M**. Thoracic lymphoma: Manifestations and mimics. American Roentgen Ray Society (ARRS) Annual Meeting, virtual meeting, May 3-8, 2020.

Mir S, Marcantonio D. Surface lesions of bone: A multi-modality review of the practicing radiologist and radiologist in training, with emphasis on pathogenesis and imaging appearance. Society of Skeletal Radiology (SSR) Annual Scientific Meeting, Huntington Beach, CA, March 28-April 1, 2020.

DIAGNOSTIC RADIOLOGY AND MOLECULAR IMAGING

Abstracts with Associated Research Presentations:

Nair G, **Al-Katib S**, Podlosky R, Castillo E. Detection of early disease progression in idiopathic pulmonary fibrosis using quantitative lung function and pulmonary blood mass imaging. American Thoracic Society International (ATI) Annual Conference, Philadelphia, PA, May 15-20, 2020.

***Patel S, Vartanian S.A.** Hepatic arterial-portal fistula embolization. Clinically Relevant Vascular and Endovascular Surgery (CARVE) Annual Meeting, Vail, CO. February 18-20, 2020.

Savin JH, Handel JD, Loudon NE, Campbell JM, Savin MA. Hot vessel sign: Technetium-99m macroaggregated albumin at the catheter tip location during radioembolization planning. Society of Interventional Radiology Oncology (SIO) 20th Annual Scientific Meeting, New Orleans, LA, January 31-February 3, 2020.

Soan M, **Kelsch R, Sutherland E, Tech K, Al-Katib S.** Discrepancies of preferred reporting style between clinicians and radiologists. American College of Radiology (ACR) Annual Meeting 2020, May 16-19, 2020. Virtual.

Sun F, Dreyer Z, **Moudgil P**, Studzinski D, **Vartanian SA.** Complications and outcomes of ablation vs nephrectomy for treatment of renal cell carcinoma. Society of Interventional Radiology Oncology (SIO) 20th Annual Scientific Meeting, New Orleans, LA, January 31 - February 3, 2020.

***Tran K, Krishnan A.** Imaging review of subependymal lesions. American Society of Neuroradiology (ASNR) 58th Annual Meeting, May 30 - June 4, 2020. Virtual.

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***Tominna M, Wilseck J.** Angiographic toolbox: Tools and techniques for managing neurovascular emergencies. Imaging the acute and critical patient. American Osteopathic College of Radiology (AOCR) Annual Meeting, Tampa, FL, May 4-7, 2020.

***Walworth G, Al-Katib S.** Clinical conundrum #6. Society of Thoracic Radiology (STR) Annual Meeting, Indian Wells, CA, March 8-11, 2020.

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DIAGNOSTIC RADIOLOGY AND MOLECULAR IMAGING

Abstracts with Associated Research Presentations:

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***Wiegmann D, Joshi R, Yadavalli S**. A pictorial review of reconstructive surgery of ankle and foot: What the radiologist must know. American Roentgen Ray Society (ARRS) Annual Meeting, May 3-8, 2020. Virtual.

Yadavalli S, Mir S. What do radiologists think of their health, stress and finances - a survey. Society of Skeletal Radiology (SSR) Annual Scientific Meeting, Huntington Beach, CA, March 28 - April 1, 2020.

Yadavalli S, Mir S. Job satisfaction and work environment – a survey of radiologists. Society of Skeletal Radiology (SSR) Annual Scientific Meeting, Huntington Beach, CA, March 28 - April 1, 2020.

Zintsmaster S, Marcantonio M. Healthcare disparities in the radiologic exam lifecycle: Does implicit bias affect patient care. American Roentgen Ray Society (ARRS) Annual Meeting, virtual meeting, May 3-8, 2020; Beaumont Hospital Residents' and Fellows' Research Forum- Royal Oak, Royal Oak, MI, May 2020.

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Amen A, Karabon P, Bartram C, Irwin K, Dunne R, Wolff M, et al, **[Swor RA]**. Disparity in receipt and utilization of telecommunicator CPR instruction. Prehospital emergency care: Official Journal of the National Association of EMS Physicians and the National Association of State EMS Directors, January 2020;24(4),544-549.

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Campbell D, Clark PC. An initiative using simulation to aid in retention of advanced cardiac life support knowledge and skills in an emergency department nurse residency program. Dimens Crit Care Nurs, 2020;39(1):33-38.

***Campbell D, Ditkoff J**. Evaluating hospital readmissions through the perspective of the returning emergency department patient. Quality Management in Health Care, March 2020;29(1),5-19.

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Peer-Reviewed Articles:

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Chen B, Kanaan C, Jaiyesimi I, Ezekwudo D, **Swor RA**. Clinical characteristics of patients with cancer presenting to the emergency department and their use of emergency medical service transport. *Prehospital Emergency Care*, February 2020;24(6).

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Kache S, Patel S, **Chen NW**, Qu L, **Bahl A**. Doomed peripheral intravenous catheters: Bad outcomes are similar for emergency department and inpatient placed catheters: A retrospective medical record review. November 2020. *The Journal of Vascular Access*, November 2020.

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Lee DM, **Berger DA, Wloszczynski PA**, Karabon P, Qu L, **Burla MJ**. Assessing the impact of resuscitation residents on the treatment of cardiopulmonary resuscitation patients. *American Journal of Emergency Medicine*, December 2020;41:46-50.

EMERGENCY MEDICINE

Peer-Reviewed Articles:

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Mansour M, **Krishnaprasadh D**, Lichtenberger J. Implementing the patient health questionnaire modified for adolescents to improve screening for depression among adolescents in a federally qualified health centre. *BMJ Open Quality*, October 2020;9.

Maloy JD, **Chen NW**, Qu L, Merwine SJ, **Ziadeh J**, **Berger DA**. Opioid ordering habits in the acute emergency department visit: Before and after implementation of departmental prescribing guidelines. *Journal of the American College of Emergency Physicians Open*, November 2020.

McLean SA, Ressler K, Koenen KC, Neylan T, Germine L, Jovanovic T, et al, [**Swor RA**]. The AURORA Study: A longitudinal, multimodal library of brain biology and function after traumatic stress exposure. *Molecular psychiatry*, September 2020.

Moore AB, Su E, Weiss RE, Yagapen AN, Malveau SE, Adler DH, et al, [**Bastani A**, **Clark CL**]. Frequency of abnormal and critical laboratory results in older patients presenting to the emergency department with syncope. *Acad Emerg Med*, 2020 February;27(2):161-164.

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Moskowitz A, Huang DT, Hou PC, Gong J, Doshi PB, Grossestreuer AV, et al, [**Ngo L**, **Otero RM**]. Effect of ascorbic acid, corticosteroids, and thiamine on organ injury in septic shock: The ACTS randomized clinical trial. *JAMA*, August 2020;324(7),642–650.

Newson JM, Sefa N, **Berger DA**. Identifying acute myocardial infarction in ventricular-paced patients - A case report on the effective modified sgarbossa criteria. *American Journal of Emergency Medicine*, December 2020.

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Omar H, Yue R, Amen A, Kowalenko T, **Walters BL**. Reassessment of violence toward emergency medicine physicians in Michigan. *Am J Emerg Med*, 2020 August;38(8):1582-1583.

Olsen KM, Manouchehr-Pour S, Donnelly EF, Henry TS, Berry MF, et al, [**Harrison NE**]. Expert Panel on Thoracic Imaging, ACR Appropriateness Criteria® Hemoptysis. *J Am Coll Radiol*, 2020 May;17(5S):S148-S159.

Patek P, **Corcoran J**, Adams L, Khandhar P. SARS-CoV-2 infection in a 2-week-old male with neutropenia. September 2020, *Clin Pediatr*, 59(9-10):918-920.

EMERGENCY MEDICINE

Peer-Reviewed Articles:

Patel F, **Benjamin J**, Gadiwala J. Acute torticollis in a 3-year-old child: Think outside the neck. *Pediatrics in Review*, November 2020;41(11):596-598.

Pollack CVJ, Peacock WF, Bernstein RA, **Clark CL**, Douketis J, Fermann GJ, et al. The safety of oral anticoagulants registry (SOAR): A national, ED-based study of the evaluation and management of bleeding and bleeding concerns due to the use of oral anticoagulants. *The American Journal of Emergency Medicine*, June 2020;38(6):1163–1170.

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Rosen A, Liu SW, **Cameron-Comasco L**, Clark S, Mulcare MR, Biese K, et al. Geriatric emergency medicine fellowships: Current state of specialized training for emergency physicians in optimizing care for older adults. *AEM Education and Training*. January 2020. 4(S1):S122-S129.

Saleem S, Berman B. Deep vein thrombosis and pulmonary embolism in the setting of mycoplasma infection. *Case Reports in Medicine*, September 2020;8708417.

Saleem S, ***Levasseur K**. Facial swelling post-surgery. *J Emerg Med*, July 2020;S0736-4679(20).

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Todd B, Traylor S, Heron L, **Turner-Lawrence D**. SPRINT through tasks: A novel curriculum for improving resident task management in the emergency department. *MedED Portal*, March 2020.

Todd B, Nierenberg L, ***Price J**. Mondor's Disease: A rare cause of chest pain in the emergency department. *Cureus* 12(2), February 2020.

Todd B, ***Shinthia N**, Nierenberg L, Mansour L, Miller M, **Otero, R**. Impact of electronic medical record alerts on emergency physician workflow and medical management. *J Emerg Med*, December 2020.

Tram J, Pressman A, **Chen NW**, **Berger DA.**, Miller J, Welch RD, et al, **[Hanson I, Swor RA]**. Percutaneous mechanical circulatory support and survival in patients resuscitated from out of hospital cardiac arrest: A study from the CARES surveillance group. *Resuscitation*, October 2020.

Travers B, **Jones S**, **Bastani A**, **Opsommer M**, Beydoun A, Karabon P, et al, **[Donaldson D]**. Assessing geriatric patients with head injury in the emergency department using the novel level III trauma protocol. *Am J Emerg Med*, 2020 November 18.

EMERGENCY MEDICINE

Abstracts with Associated Research Presentations:

Epley CT, Purekar M, Chen NW, Sawyer KN, Burla MJ, Berger DA. Change in resident resuscitation-specific confidence and anxiety levels from a novel rotation. Council of Residency Directors Academic Assembly, New York, March 2020.

Ford EJ, Mann C, Karabon P, **Swor RA.** Cardiac arrests in school: Assessing outcomes and AED/CPR legislative landscape. Resuscitation Science Symposium, American Heart Association, Dallas, November 2020.

***Halpern NE, Ziadeh J, Ditkoff J,** Rivera J, **Swor RA.** Effect of patient volumes and holds on patients leaving without being seen at a Level I emergency center. Society for Academic Emergency Medicine (SAEM), May 2020. Virtual.

Hamera J, *Talia N, Sawyer KN, Berger DA. Treatment of pulmonary embolism in population with low risk simplified pulmonary embolism. Society of Critical Care Medicine, Orlando, FL, February 2020.

Jeong Y, Menoch M, I'm blue: Raynauds in a toddler. American Academy of Pediatrics Annual Meeting, May 2020. Virtual.

Jeong Y. That's not supposed to be there: Scrotal chylorrhea. American Academy of Pediatrics Annual Meeting, May 2020. Virtual.

Kache S, Patel S, Chen NW, Qu L, Bahl A. Doomed peripheral intravenous catheters: Similar outcomes for emergency department and inpatient catheters. Society for Academic Emergency Medicine, May 2020. Virtual.

Keene S, Cameron-Comasco L. An ED geriatric assessment program is associated with increased discharge rate and decreased hospital length of stay. American College of Emergency Physicians Scientific Assembly, October 2020.

Kelly R, Otero R, Grines R, Abbas A, Jackson R, Swor RA. Epidemiologic differences in respiratory failure due COVID-19 in a large suburban healthcare system. American College of Emergency Physicians Annual Meeting, Dallas, TX, September 2020.

Ledvina A, **Otero R, Hamilton J, Clark C, Bastani A, Ziadeh J, [Ditkoff J, Swor RA].** Preliminary report of drive through screening COVID-19 screening process in a large suburban community. American College of Emergency Physicians Annual Meeting, Dallas, TX, September 2020.

Lee DM, **Berger DA, Wloszczynski PA, Burla MJ.** Assessing the impact of resuscitation residents on the treatment of cardiopulmonary patients. Society for Academic Emergency Medicine, May 2020. Virtual.

***Levasseur K,** Zuckerbraun N, Kou M, Rose J, Roskind C, Vu T, et al. Female vs male milestone assessments in a national sample of pediatric emergency medicine fellowship programs. Society for Academic Emergency Medicine, May 2020. Virtual.

EMERGENCY MEDICINE

Abstracts with Associated Research Presentations:

Lobo JJ, Tungate AS, Peak DA, **Swor RA**, Rathlev NK, Hendry PL, et al. Examination of genetic overlap in vulnerability to posttraumatic chronic pain, stress and depression symptoms following motor vehicle collision using polygenic risk score analysis, Society for Biological Psychiatry Meeting, New York, May 2020.

Narajeenron K, **Todd B**, Hsu R, Clark R, Ren R, Jara-almonte G, et al. A novel tool for accessing the quality of FEEDback in the emergency room (FEED-ER). Society for Academic Emergency Medicine, May 2020. Virtual.

Porto A, Goyal A, Menoch M. Emergency visits for autistic children with a psychiatric disorder-Is there a disparity of care? American Academy of Pediatrics Annual Meeting, May 2020. Virtual.

Robinson C, Turner-Lawrence D. Feasibility and cost of a rideshare program for resident use within a large healthcare system. Mid-Atlantic Society of Academic Emergency Medicine, Washington DC, March 2020.

Rose J, Vu T, ***K Levasseur**. Milestones achievement from residency to fellowship: Is it a continuum? Pediatric Academic Symposium, Virtual, May 2020.

Saleem S. Specific concussion curriculum: Does it improve resident's comfort, knowledge and ITE scores? A pilot study. American Academy of Pediatrics Annual Meeting, Virtual, May 2020.

Song J, **Berger DA, Chen NW**, Paxton J, Miller J, Pribble J, et al, [**Swor RA**]. Post-cardiac arrest care length of stay in Michigan hospitals and their impact on survival. Resuscitation Science Symposium, American Heart Association, Dallas, TX, November 2020.

***Talia N, Berger D, Chen NW**, Purekar M, Qu L, **Swor RA, [Otero R]**. Lactate expression category and mortality in emergency department patients with severe sepsis and septic shock. Resuscitation Science Symposium, American Heart Association, Dallas, TX, November 2020.

Todd B, Shah P, *Patel K, Chen NW. Risk factors associated with mortality in cases presented at emergency medicine morbidity and mortality. American College of Emergency Physicians Conference, October 2020. Virtual.

Torossian K, ***Altwail M, Paternoster R, Swor RA**. Characterizing bystanders and their actions in response to out of hospital cardiac arrest. Resuscitation Science Symposium, American Heart Association, Dallas, TX, November 2020.

Vu T, Zuckerbraun N, Kou M, Rose J, Roskind C, ***Levasseur K**, et al. Milestone achievements in pediatric emergency medicine fellows: Impact of primary residency training. Society for Academic Emergency Medicine, May 2020. Virtual.

Wloszczynski PA, Berger DA, Lee DM, **Chen NW, Burla MJ**. Impact of resuscitation resident on duration from return of spontaneous circulation to target temperature. Society for Academic Emergency Medicine, May 2020. Virtual.

EMERGENCY MEDICINE

Abstracts with Associated Research Presentations:

Wloszczynski PA, Burla MJ, Lee DM, Chen NW, Berger DA. Impact of resuscitation resident on duration from return of spontaneous circulation to the initiation of targeted temperature management. Red Sea Emergency Medicine, October 2020. Virtual.

FAMILY MEDICINE & COMMUNITY HEALTH

Peer Reviewed Articles:

Mulhem E, Brown I, Song K. Electronic health record reminder effect on hepatitis C antibody screening. J Am Board Fam Med, November-December 2020;33(6):1016-1019.

Zazove P, Plegue MA, McKee M, **Mulhem E**, et al. Effective hearing loss screening in primary care: The early auditory referral primary care study. Ann Fam Med, November 2020;18(6):520-527.

FAMILY MEDICINE & COMMUNITY HEALTH

Invited Research Presentations:

Clark-Sienkeiwicz S, Cano A, **Zeman LL**, Lumley M, Gothe N. Next steps to integrating behavioral health: Acceptability and feasibility of a health behavior change program in primary care. Society of Behavioral Medicine 41st Annual Meeting and Scientific Sessions, April 2020. Virtual.

Clark-Sienkeiwicz S, Cano A, **Zeman LL**, Lumley M, Gothe N. Pilot study of a multicomponent intervention to initiate health behavior change in primary care: the kickstart health program. Society of Behavioral Medicine 41st Annual Meeting and Scientific Sessions, April 2020. Virtual.

Pippitt K, **Lick D**, Walters E. Foundational faculty development: STFM's online certificate programs for residency and medical school faculty. 54th Annual Conference of the Society of Teachers of Family Medicine, August 2020. Virtual.

Warnick SJ. Anxiety, depression and integrated care basics. University of Michigan Medical School Family Medicine Residency Preparation Course, February 2020. Virtual.

Warnick SJ. Why are we always talking about diversity? How diversity impacts our kids, community and organizations. OneGP Parent Camp, Grosse Pointe Woods, MI, February 2020.

Warnick SJ. Update on treatment of depression and adult ADHD. DMC Sinai-Grace Family Medicine Residency Lecture Series, June 2020. Virtual.

Warnick SJ. Mental health and isolation of senior population. Detroit Wayne Integrated Health Network 6th Annual Interfaith-based Substance Use Disorder and Mental Health Conference, Detroit, MI, August 2020.

Warnick SJ. Update on pharmacotherapy for depression and anxiety. Beaumont Behavioral Health Lectures Series, Beaumont Hospital, Royal Oak, MI, September 2020.

Warnick SJ, Mehdi L. There's evidence for that? Integrative medicine treatments for depression. The Forum for Behavioral Science in Family Medicine, November 2020. Virtual.

Warnick SJ. Primary care screening and management of anxiety and depression. Beaumont Symposium for Primary Care, December 2020. Virtual.

Wilson S, Gruber A, Zeman LL. Beyond a wellness curriculum: Fostering a culture of wellness in a residency program. Forum for Behavioral Science in Family Medicine, September 2020. Virtual.

FAMILY MEDICINE & COMMUNITY HEALTH

Non-Peer Reviewed Research Publications:

Burch J, **Mulhem E**. For children with an acute exacerbation of asthma, what are the effects of second-line parenteral bronchodilators? Cochrane Clinical Answers, 2020 November.

Burch J, **Mulhem E**. What is the accuracy of galactomannan sandwich enzyme-linked immunosorbent assay (ELISA) on bronchoalveolar lavage fluid for detection of invasive aspergillosis in immunocompromised people? Cochrane Clinical Answers, 2020 December.

Mulhem E. How does mixed exercise training compare with usual care for adults with fibromyalgia? Cochrane Clinical Answers, 2020 February.

Mulhem E. What are the benefits and harms of prostacyclin for people with pulmonary arterial hypertension? Cochrane Clinical Answers, 2020 February.

Mulhem E. What are the benefits and harms of positive airway pressure (PAP) therapy for treatment of patients with central sleep apnea associated with heart failure? Cochrane Clinical Answers, 2020 March.

Mulhem E. How do behavioral interventions compare with usual care for promoting continuous positive airway pressure (CPAP) device usage in adults with obstructive sleep apnea? Cochrane Clinical Answers, 2020 September.

Mulhem E. How do educational interventions compare with usual care for promoting continuous positive airway pressure (CPAP) device usage in adults with obstructive sleep apnea? Cochrane Clinical Answers, 2020 September.

Mulhem E. How do supportive interventions compare with usual care for promoting continuous positive airway pressure (CPAP) device usage in adults with obstructive sleep apnea? Cochrane Clinical Answers, 2020 September.

Mulhem E. How do mixed interventions (educational, supportive, behavioral) compare with usual care for promoting continuous positive airway pressure (CPAP) device usage in adults with obstructive sleep apnea? Cochrane Clinical Answers, 2020 September.

Mulhem E. For women undergoing assisted reproduction for subfertility, what are the effects of antioxidants? Cochrane Clinical Answers, 2020 September.

Mulhem E. How does tonsillectomy compare with tonsillotomy for children and adolescents with obstructive sleep-disordered breathing? Cochrane Clinical Answers, 2020 October.

Mulhem E. How do corticosteroids compare with placebo for adjunctive treatment of people with sore throat? Cochrane Clinical Answers, 2020 November.

Tort S, **Mulhem E**. What are the effects of intrapleural fibrinolytic therapy for parapneumonic effusions and empyema in adults? Cochrane Clinical Answers, 2020 February.

SUB-SPECIALTY 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 articles:

Greiwe J, Cooke A, Nanda A, Epstein SZ, Wasan AN, Shepard KV 2nd, et al, **[Dass K]**. Work group report: Perspectives in diagnosis and management of exercise-induced bronchoconstriction in athletes. J Allergy Clin Immunol Pract 2020 September;8(8):2542-2555.

Soifer NE, **Hepner MJ**. 24-year-old man on prednisone therapy for nephrotic syndrome diffuse maculopapular rash pruritis Dx? J Fam Pract 2020 June;69(5):E1-E2.

DERMATOLOGY

Peer-reviewed articles:

Wiegmann D, Haddad L. Two is better than one: The combined effects of glycolic acid and salicylic acid on acne-related disorders. *J Cosmet Dermatol*, 2020 April 6.

ENDOCRINOLOGY

Peer Reviewed Articles:

Garber AJ, Handelsman Y, **Grunberger G**, Einhorn D, Abrahamson MJ, Barzilay JI, et al. Consensus statement by the American Association of Clinical Endocrinologists and American College of Endocrinology on the comprehensive type 2 diabetes management algorithm-2020 executive summary. *Endocr Pract*, 2020 January;26(1):107-139.

Grunberger G. Continuous glucose monitoring: Musing on our progress in memory of Dr Andrew Jay Drexler. *J Diabetes* 2020 October;12(10):772-774.

Grunberger G, Rosenfeld CR, Bode BW, Abbott SD, Nikkel C, Shi L, et al. Effectiveness of V-Go(®) for patients with type 2 diabetes in a real-world setting: A prospective observational study. *Drugs Real World Outcomes*, 2020 March;7(1):31-40.

Handelsman Y, Jellinger PS, Guerin CK, Bloomgarden ZT, Brinton EA, Budoff MJ, et al, **[Grunberger G]**. Consensus statement by the American Association of Clinical Endocrinologists and American College of Endocrinology on the management of dyslipidemia and prevention of cardiovascular disease algorithm- 2020 Executive Summary. *Endocr Pract* 2020, October;26(10); 1196-1224.

Soupal J, Petruzelkova L, **Grunberger G**, Haskova A, Flekac M, Matoulek M, et al. Glycemic outcomes in adults with T1D are impacted more by continuous glucose monitoring than by insulin delivery method: 3 years of follow-up from the COMISAIR study. *Diabetes Care*, 2020 January; 43(1):37-43.

GASTROENTEROLOGY

Peer-Reviewed Articles:

Arora A, Jacob M, Cappell MS. Novel videoendoscopy demonstrating irregularly pulsatile GI bleeding from left atrium via an esophageal fistula after pulmonary vein isolation and catheter ablation for atrial fibrillation. *Gastrointest Endosc*, 2020 February 6.

Babar S, El Kurdi B, El Iskandarani M, Haddad I, **Imam Z**, Alomari M, et al. Oral vancomycin prophylaxis for the prevention of *Clostridium difficile* infection: A systematic review and meta-analysis. *Infect Control Hosp Epidemiol*, 2020 November;41(11):1302-1309.

Bajaj JS, Brenner DM, Cai Q, Cash BD, Crowell M, DiBaise J, et al, **[Jamil LH]**. Major trends in gastroenterology and hepatology between 2010 and 2019: An overview of advances from the past decade selected by the Editorial Board of *The American Journal of Gastroenterology*. *Am J Gastroenterol*, 2020 July;115(7):1007-1018.

Cappell MS. Improving the safety of endoscopy in pregnancy: Approaching gravidity with gravitas. *Dig Dis Sci*, 2020 October 65(10):2745-2748.

Cappell MS. Moderately severe diarrhea and impaired renal function with COVID-19 infection. *Am J Gastroenterol*, 2020 June;115(6):947-948.

Cappell MS. Problems for gastrointestinal patients with diarrheal disorders: Limited access to public bathrooms because previously open public bathrooms have closed due to COVID-19 pandemic and inadequate number of bathrooms in some endoscopy suites. *Am J Gastroenterol*, 2020 December 15.

Cappell MS. Two case reports of novel syndrome of bizarre performance of gastrointestinal endoscopy due to toxic encephalopathy of endoscopists among 181767 endoscopies in a 13-year-university hospital review: Endoscopists, first do no harm! *World J Gastroenterol*, 2020 March 7;26(9):984-991.

Cappell MS, Stavropoulos SN, Friedel DM. Updated systemic review of achalasia with a focus on POEM therapy. *Dig Dis Sci*, 2020 January;65(1):38-65.

Da BL, Ezaz G, Kushner T, Crismale J, **Kakked G**, Gurakar A, et al. Donor characteristics and regional differences in the utilization of HCV-positive donors in liver transplantation. *JAMA Network Open*, 2020 December 1,3(12).

Da BL, Kushner T, **Kakked G**, Crismale J, Ezaz G, Schiano T, Saberi B. HCV-Positive donors are healthier and inequitably utilized in the United States. *Am J Transplant*, May 2020;20:505-506.

David YN, Dixon RE, Kim MK, **Kakked G**, Anandasabapathy S, Greenwald DA, et al. A gender specific factors influencing gastroenterologists to pursue careers in advanced endoscopy: Perceptions vs reality. *Gastrointestinal Endoscopy*, June 2020;91(6).

GASTROENTEROLOGY

Peer-Reviewed Articles:

Desai TK, Chey WD. Response to skole. *Am J Gastroenterol*, 2020 October;115(10):1726.

Edhi AI, Gjeorgjievski M*, **Kulesza G**, **Cappell MS**. Esophagopericardial fistula from thermal injury after local abnormal ventricular activity arrhythmia ablation therapy: Endoscopic findings and therapy. *Gastrointest Endosc*, March 2020;91(3):709-711.

Edhi AI, Hakim S*, Shams C*, **Bedi D**, **Amin M**, **Cappell MS**. Clarithromycin-associated acute liver failure leading to fatal, massive upper gastrointestinal hemorrhage from profound coagulopathy: Case report and systematic literature review. *Case Reports Hepatol*, February 18, 2020.

Elmunzer BJ, Spitzer RL, Foster LD, Merchant AA, Howard EF, Patel VA, et al, [**Jamil LH**, **Aneese AM**, **Imam Z**, **Edhi AI**, **Orosey M**, **Tiwari A**]. Digestive manifestations in patients hospitalized with COVID-19. *Clin Gastroenterol Hepatol*, 2020 October 1.

Elmunzer BJ, Spitzer RL, Foster LD, Merchant AA, Howard EF, Patel VA, et al, [**Jamil LH**, **Aneese AM**, **Imam Z**, **Edhi AI**, **Orosey M**, **Tiwari A**]. Association between preadmission acid suppressive medication exposure and severity of illness in patients hospitalized with COVID-19. *Gastroenterology*, 2020 November 12.

Gala T, Shahzad N, **Edhi AI**, Chawla TU. Perioperative hypothermia in colorectal surgeries: Are we doing enough to prevent it? *J Pak Med Assoc*, February 2020;70(2):304-307.

Gill, I; Edhi, AI; **Cappell, MS**. Proposed characterization of the syndrome of epidural pneumatosis (pneumorrhachis) in patients with forceful vomiting from diabetic ketoacidosis as a clinico-radiologic pentad based on systematic literature review & an illustrative case report. *Medicine Baltimore*, August 28, 2020;299(35).

*Gjeorgjievski M, **Ghaith G**. ERCP after percutaneous cholecystostomy: Methylene blue-assisted biliary cannulation for diminutive papilla. *Gastrointest Endosc*, 2020 October 29;S0016-5107(20)34930-0.

*Gjeorgjievski M, **Imam Z**, **Cappell MS**, **Jamil LH**, Kahaleh M. A comprehensive review of endoscopic management of sleeve gastrectomy leaks. *J Clin Gastroenterol*, 2020 November 23.

Gonzalez H, **Imam Z**, Wong R, Li J, Lu M, Trudeau S, et al. Normal alkaline phosphatase levels are dependent on race/ethnicity: National GEP Health and Nutrition Examination Survey data. *BMJ Open Gastroenterol*, 2020 October;7(1).

Hakim S, ***Aneese AM**, **Edhi A**, *Shams C, *Purohit T, **Cannon ME**, et al, [**Cappell MS**]. A statistically significant reduction in length of stay and hospital costs with equivalent quality of care metrics for ERCPs performed during the weekend versus postponed to weekdays: A 6-year study of 533 ERCPs at four teaching hospitals. *Dig Dis Sci* 2020 November;65(11):3132-3142.

GASTROENTEROLOGY

Peer-Reviewed Articles:

Halloran BP, **Jamil LH**, Lo SK, Reeson M, Vasiliauskas EA, Targan S, et al. Double-balloon endoscopy in Crohn Disease: A tertiary referral center experience. *Inflamm Bowel Dis*, 2020 November 6.

Hanna A, *Gjeorgjievski M, **Amin MB**, **Cappell MS**. Case report of hypopharyngeal extra-esophageal cancer incidentally first visualized and diagnosed at esophagogastro-duodenoscopy with tumor mass biopsies. *Am J Gastroenterol*, October 2020.

Hanna A, **Imam Z**, Odish F, Dalal B. Multiple liver abscesses caused by *Streptococcus intermedius* bacteremia in the setting of a routine dental cleaning. *BMJ Case Rep* 2020 February 28;13(2):10.

Imam Z, Simons-Linares CR. Transhepatic insertion of percutaneous endoscopic gastrostomy tube. *Case Rep Gastrointest Med* 2020 February 12;2020.

Imam Z, **Odish F**, **Armstrong J**, **Elassar H**, **Dokter J**, **Langnas E**, et al, [Halalau A]. Independent correlates of hospitalization in 2040 patients with COVID-19 at a large hospital system in Michigan, United States. *J Gen Intern Med* 2020 August;35(8):2516-2517.

Imam Z, **Odish F**, **Gill I**, **O'Connor D**, **Armstrong J**, **Vanood A**, et al, [**Ibironke O**, **Hanna A**, **Ranski A**]. Older age and comorbidity are independent mortality predictors in a large cohort of 1305 COVID-19 patients in Michigan, United States. *J Intern Med*, 2020 October;288(4):469-476.

Imam Z, Simons-Linares CR, Chahal P. Infectious causes of acute pancreatitis: A systematic review. *Pancreatology*, 2020 Oct;20(7):1312-1322.

Ionescu F, Jaiyesimi I, Petrescu I, Lawler PR, Castillo E, Munoz-Maldonado Y, et al, [**Imam Z**]. Association of anticoagulation dose and survival in hospitalized COVID-19 patients: A retrospective propensity score-weighted analysis. *Eur J Haematol*, 2020 October 11.

Jamil LH, Naveed M, Agrawal D, Fujii-Lau LL, Al-Haddad M, Buxbaum JL, et al. ASGE guideline on minimum staffing requirements for the performance of GI endoscopy. *Gastrointest Endosc*, 2020 April;91(4):723-729.

John J, Garg L, Orosey M, **Desai T**, Haines DE, Wong WS. The effect of esophageal cooling on esophageal injury during radiofrequency catheter ablation of atrial fibrillation. *J Interv Card Electrophysiol*, 2020 June;58(1):43-50.

Jue TL, Storm AC, Naveed M, Fishman DS, Qumseya BJ, McRee AJ, et al, [**Jamil LH**]. ASGE guideline on the role of endoscopy in the management of benign and malignant gastroduodenal obstruction. *Gastrointest Endosc*, 2020 November 6.

Kamal F, Khan MA, Lee-Smith W, Sharma S, **Imam Z**, Jowhar D, et al. Efficacy and safety of tranexamic acid in acute upper gastrointestinal bleeding: Meta-analysis of randomised controlled trials. *Scand J Gastroenterol*, 2020 October 28:1-8.

GASTROENTEROLOGY

Peer-Reviewed Articles:

Kakked G, Salameh H, Cheesman AR, Kumta NA, Nagula S, DiMaio CJ. Primary EUS-guided biliary drainage versus ERCP drainage for the management of malignant biliary obstruction: A systematic review and meta-analysis. *Endoscopic Ultrasound*, October 2020;9(5):298-307.

Khashab MA, Vela MF, Thosani N, Agrawal D, Buxbaum JL, Fehmi SA, et al, **[Jamil LH]**. ASGE Guidelines on the management of Achalasia. *Gastrointest Endosc*, 2020 February;91(2):213-227

Leite GGS, Weitsman S, Parodi G, Celly S, Sedighi R, Sanchez M, et al, **[Jamil LH]**. Mapping the segmental microbiomes in the human small bowel in comparison with stool: A REIMAGINE study. *Dig Dis Sci*, 2020 September;65(9):2595-2604.

Lew D, **Jamil L**, Lo SK, Rezaie A. Neck bulging during expiration: A new sign to diagnose Killian-Jamieson Diverticulum. *Am J Gastroenterol*, 2020 September 22.

Lew D, Kashani A, Lo SK, **Jamil LH**. Efficacy and safety of cap-assisted endoscopic mucosal resection of ileocecal valve polyps. *Endoscopy International Open*, 2020 March;8(3).

Mittal C, Diehl DL, Draganov PV, **Jamil LH**, Khalid A, Khara HS, et al. Practice patterns, techniques and outcomes of flexible endoscopic myotomy for Zenker's diverticulum: A retrospective multicenter study. *Endoscopy*, 2020 July 14.

Naveed M, **Jamil LH**, Fujii-Lau L, Al-Haddad M, Buxbaum JL, Fishman DS. American Society for Gastrointestinal Endoscopy guideline on the role of endoscopy in the management of acute colonic pseudo-obstruction and colonic volvulus. *Gastrointest Endosc*, 2020 February;91(2): 228-235.

Naveed M, **Jamil L**, Wani S, Qumseya BJ. Chair Standards of Practice Committee. Response. *Gastrointest Endosc*, 2020 November;92(5):1145-1146.

Park K, Lew D, Chapman C, Wachsman A, Bloom M, Bancila L, et al, **[Jamil LH]**. Feasibility and safety study of 22-gauge endoscopic ultrasound (EUS) needles for portal vein sampling in a swine model. *Endosc Int Open*, 2020 November;8(11).

Puigvehí M, Hashim D, Haber PK, Dinani A, Schiano TD, Asgharpour A, et al, **[Kakked G]**. Liver transplant for hepatocellular carcinoma in the United States: Evolving trends over the last three decades. *Am J Transplant*, January 2020;20(1):220-230.

Simons-Linares CR, **Imam Z**, Chahal P. Viral-attributed acute pancreatitis: A systematic review. *Dig Dis Sci*, August 2020.

Uberoi A, El Halabi M, **Kakked G**, Luther S, Bhatia K, DiMaio CJ. S3241 Statins for the prevention of post-ERCP pancreatitis: A systematic review and meta-analysis. *Am J Gastroenterol*, 2020; 15,S1696.

GASTROENTEROLOGY

Peer-Reviewed Articles:

Yang J, Gurudu SR, Koptiuch C, Agrawal D, Buxbaum JL, Abbas Fehmi SM, et al, **[Jamil LH]**. American Society of Gastrointestinal Endoscopy on the role of endoscopy in familial adenomatous polyposis syndrome. *Gastrointest Endosc*, 2020 May;91(5):963-982.

GASTROENTEROLOGY

Abstracts with Associated Research Presentations:

Gill I, Edhi AI, Amin M, Cappell MS. Deep esophageal ulcers from cytomegalovirus mimicking pseudodiverticula in a patient with AIDS. Am Coll Gastroenterol Annual Convention, October 2020.

Gill I, Shaheen AA, Edhi AI, Amin MB, Rana K, Cappell, MS. Novel finding of protein-losing enteropathy in a patient with collagenous duodenitis and colitis complicated by COVID-19 infection. Am Coll Gastroenterol Annual Scientific Meeting, October 2020.

Gill, I, Shaheen AA, Edhi AI, Amin M, Cappell MS. Mesenteric angioedema induced by angiotensin-converting enzyme inhibitor. Am Coll Gastroenterol Annual convention, October 2020.

*Hader I, **Amin MB, Jamil LH.** Novel presentation of rectal granular cell tumor leading to severe hemorrhoidal bleeding with pathological diagnosis identified only after hemorrhoidectomy: Case report and literature review. American College of Gastroenterology 2020 Virtual Annual Meeting, October 23-28, 2020.

*Hakim S, *Gjeorgjievski M, Thosani N, **Cannon ME,** Yu K, DaVee T, et al, [**Jamil LH**]. Is 3-5 days of post-procedure antibiotic prophylaxis necessary after use of a pancreatic cyst? - Comparing clinical outcomes of 470 procedures at two different academic clinical practices. Digestive Disease Week, McCormick Place, Chicago, IL, May 2-5, 2020.

Hanna A, Gill I, Imam Z, Halalau A, **Jamil LH.** Low yield of head computed tomography (HCT) in cirrhotic patients presenting with altered mentation. American College of Gastroenterology 2020 Virtual Annual Meeting, Nashville, TN, October 23-28, 2020.

Ichkhanian YE, Barawi M, Ghandour B, Seoud T, Thakkar S, Kothari T, et al, [**Jamil LH**]. Endoscopic full-thickness resection of polyps involving the appendiceal orifice: First multicenter international study. Digestive Disease Week McCormick Place, Chicago, IL May 2-5, 2020.

Lew D, **Jamil LH,** Lo S, Rezaie A. Neck bulging during expiration: A new sign to diagnosis Killian Jamieson diverticulum. American College of Gastroenterology Annual Scientific Meeting, Nashville, TN, October 23-28, 2020. Virtual.

Khan Z, **Edhi AI, Desai, T.** Inverse association between H. pylori and esophageal adenocarcinoma but no difference in H. pylori prevalence between Barrett's esophagus and esophageal adenocarcinoma - A systematic review and meta-Analysis. American College of Gastroenterology Annual Scientific Meeting, Nashville, TN, October 23-28, 2020. Virtual.

Shaheen AA, Gill I, Edhi AI, Amin M, Cappell MS. Novel case of pancreatic ganglioneuroma, a disease generally of children or young adults, presenting in an octogenarian. American College of Gastroenterology Annual Scientific Meeting, Nashville, TN, October 23-28, 2020. Virtual.

Qamar K, **Arora A, Gill I, Tiwari A.** Black esophagus: An unusual cause of massive upper GI bleeding. American College of Gastroenterology Annual Scientific Meeting, Nashville, TN, October 23-28, 2020. Virtual.

GASTROENTEROLOGY

Abstracts with Associated Research Presentations:

Qamar K, **Arora A, Tiwari A**. Isolated cecal varices: A rare cause of hematochezia. American College of Gastroenterology Annual Scientific Meeting, Nashville, TN, October 23-28,2020. Virtual.

Qamar K, **Tiwari A, Arora A**. Lyme arthritis mimicking inflammatory bowel disease associated arthritis in patient with Crohn's disease. American College of Gastroenterology Annual Scientific Meeting, Nashville, TN, October 23-28, 2020.

GENERAL INTERNAL MEDICINE

Peer Reviewed Articles:

Abbas A, **Mando R**, Hanzel G, Goldstein J, Shannon F, Pibarot P. Hemodynamic principles of prosthetic aortic valve evaluation in the transcatheter aortic valve replacement era. *Echocardiography*, 2020 May;37(5):738-757.

Afonso N, Kelekar A, Alangaden A. I have a cough: An interactive virtual respiratory case-based module. *MedEdPORTAL*, 2020 December 17;16:11058-8265.

Aggarwal D, Gurm HS. A practical approach to preventing renal complications in the catheterization laboratory. *Interv Cardiol Clin* 2020 July;9(3):403-407.

Agha A, Gill C, **Balanescu D, Donisan T**, Palaskas N, Lopez-Mattei J, et al. Identifying hemostatic thresholds in cancer patients undergoing coronary angiography based on platelet count and thromboelastography. *Frontiers in Cardiovascular Medicine*, 2020 February 14;7:9.

Ahmed N, Mauad VAQ, Gomez-Rojas O, Sushea A, Castro-Tejada G, Michel J, et al, **[Halalau A]**. The impact of rehabilitation-oriented virtual reality device in patients with ischemic stroke in the early subacute recovery phase: Study protocol for a phase III, single-blinded, randomized, controlled clinical trial. *J Cent Nerv Syst Dis*, 2020 Jan 21; Erratum in: *J Cent Nerv Syst Dis*, 2020 May 15.

Alshaikhli A, Bordoni B. Tangier disease (familial alpha lipoprotein deficiency). *StatPearls Publishing LLC*, September 2020.

Anusim N, **Ionescu F**, Afolayan-Oloye O, Gaikazain S. Diffuse large B-cell lymphoma of the vagina in pregnancy. *BMJ Case Rep* 2020, January 2;13(1).

Anusim N, **Smalley M, Zimmer M**, Lang D, Jindal V, Ahaneku H, et al. COVID-19 and hematologic malignancies: Single institution analysis. *Blood*, Volume 136, Suppl 1, November 5, 2020.

Arora A, Jacob M, Cappell M. Novel videoendoscopy demonstrating irregular, pulsatile GI bleeding from left atrium through an esophageal fistula after pulmonary vein isolation and catheter ablation for atrial fibrillation. *Gastrointest Endosc*, 2020 July;92(1):211-212.

Aziz M, **Balanescu D, Donisan T**, Song J, Palaskas N, Lopez-Mattei J, et al. Intracoronary imaging-guided discontinuation of dual antiplatelet therapy in stented patients requiring expedited cancer treatment. *Journal of the American College of Cardiology*, 2020 March,75(11):1408.

Balanescu D, Aziz M, **Donisan T**, Palaskas N, Lopez-Mattei, J, Hassan S, et al. Cancer treatment resumption in patients with new-generation drug-eluting stents. *Coron Artery Dis*, 2020 November 13.

Balanescu D, Donisan T, Deswal A, Palaskas N, Song J, Lopez-Mattei J, et al. Acute myocardial infarction in a high-risk cancer population: Outcomes following conservative versus invasive management. *Int J Cardiol*, 2020 August 15;313:1-8.

GENERAL INTERNAL MEDICINE

Peer Reviewed Articles:

Balanescu D, Donisan T, Mertens A, Hanson I. Early improvement in right ventricular dysfunction following transseptal transcatheter mitral valve-in-valve replacement. *Journal of the American College of Cardiology*, 2020 March, 75(11):2981.

Balanescu D, Donisan T, Palaskas N, Lopez-Mattei, Iliescu C. Halloween in the Cath Lab: Spider web pericardial effusion. *European Heart Journal Cardiovascular Imaging*, 2020 March 1;21(3):317.

Balanescu D, Donisan T, Palaskas N, Lopez-Mattei J, Kim P, Buja L, et al. Immunomodulatory treatment of immune checkpoint inhibitor-induced myocarditis: Pathway toward precision-based therapy. *Cardiovasc Pathol*, July-August 2020;47:107211.

***Bastola S, *KC O, Khanal S, Halalau A**. Hepatitis-associated aplastic anemia from workout supplement: Rare but potentially fatal entity. *SAGE Open Med Case Rep*, 2020 January 22;8.

Beck Dallaghan GL, **Ledford CH**, Ander D, Spollen J, Smith S, Graziano S, et al. Evolving roles of clerkship directors: Have expectations changed? *Med Educ Online* 2020 December;25(1).

Boyanton BL, **Hanna M, Hafez-Khayyatta S**, Robinson-Dunn B. Fatal postpartum infection. *Infectious Diseases in Clinical Practice* 2020; 28(1):53-54.

Boone D, Thanikachalam S, Cervoni-Curet F, **Balanescu D, Donisan T**, Iliescu G, et al. Coronary intervention in cancer patients: The need for personalized cardiac care. *Romanian Journal of Cardiology*, 2020 30(3):389-398.

Donisan T, Balanescu D, Aziz M, Ntim W, Palaskas N, Lopez-Mattei J, et al. Early resumption of cancer treatment after percutaneous coronary intervention: Impact on cardiovascular outcomes. *Journal of the American College of Cardiology*, 2020 March:75(11):1407.

***Edhi A, *Hakim S, *Shams C**, Bedi D, Amin M, Cappell M. Clarithromycin-associated acute liver failure leading to fatal, massive upper gastrointestinal hemorrhage from profound coagulopathy: Case report and systematic literature review. *Case Reports Hepatology*, 2020 February 18.

***Farshad S, Halalau A**, Townsend W, Schiopu E. Utility of coronary calcium scoring (CCS) in connective tissue disorders (CTDs) for the evaluation of subclinical coronary atherosclerosis - A systematic review. *ACR Open Rheumatology*, 2020 February;2(2):84-91.

Figueroa Rodriguez F, **Schloop M**, Pena M, **Davila F**. Sleep disordered breathing features, evolution and management of a patient with Rorhahad Syndrome. *Chest*, 158(4): 2316-A2317.

Foglesong A, Mathew D. Pulseless ventricular tachycardia. *StatPearls Publishing*, January 2020.

Gautam M, **Kaur M**, Mahr G. COVID-19-associated psychiatric symptoms in health care workers: Viewpoint from internal medicine and psychiatry residents. *Psychosomatics* 2020;61(5):579-581.

GENERAL INTERNAL MEDICINE

Peer Reviewed Articles:

Gill I, Edhi A, Cappell M. Proposed characterization of the syndrome of epidural pneumatosis (pneumorrhachis) in patients with forceful vomiting from diabetic ketoacidosis as a clinico-radiologic pentad based on systematic literature review and an illustrative case report. *Medicine*, 2020 August 28;99(35).

Giza DE, Graham J, **Balanescu D**, **Donisan T**, Crommet J, Botz G, et al. Impact of cardiopulmonary resuscitation on survival in cancer patients: DNR before or after? *JACC CardioOncology*, 2020 June 2(2):359-362.

Gomez-Rojas O, Hafeez A, Gandhi N, **Berghea R**, **Halalau A**. Bilateral vertebral artery dissection: A case report with literature review. *Case Rep Med*, May 25, 2020.

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Abstracts with Associated Research Presentations:

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Konde A, Beckerman J, **Anusim N**, Fennell T, **Jaiyesimi IA**. T cell non-Hodgkin lymphoma – A ten year look back on clinic-pathologic characteristics, treatment strategies and outcomes – A single institution experience - Hematology & Medical Oncology, William Beaumont Hospital - Oakland University School of Medicine, Royal Oak, MI; European Hematology Association 25th Annual Congress, June 2020.

Konde A, ***Khoury J**, Beckerman J, **Jaiyesimi IA**: Treatment outcomes of secondary acute myeloid leukemia with CPX-351 (Liposomal Daunorubicin: Cytarabine) a single institution outcomes analysis & experience. European Hematology Association 25th Annual Congress, June 2020.

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INFECTIOUS DISEASE

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Bergin SP, Coles A, Calvert SB, Farley J, Powers JH, **[Sims MD]**, et al. PROPHETIC: Prospective identification of pneumonia in hospitalized patients in the ICU. *Chest*, 2020 December;158(6):2370-2380.

Burwick RM, Yawetz S, Stephenson KE, Collier AY, Sen P, Blackburn BG, et al, **[Sims MD]**. Compassionate use of remdesivir in pregnant women with severe COVID-19. *Clin Infect Dis*, 2020 October 8.

Halalau A, Imam Z, Karabon P, Mankuzhy N, Shaheen A, Tu J, et al, **[Carpenter CF]**. External validation of a clinical risk score to predict hospital admission and in-hospital mortality in COVID-19 patients. *Annals of Medicine*, October 2020.

Klein M, Bacher J, Barth S, Atrzadeh F, Siebenhaller K, Ferreira I, et al, **[Sims MD]**. Multicenter evaluation of the unyvero platform for testing bronchoalveolar lavage fluid. *J Clin Microbiol*. 2020 December 16.

Kullar R, Marcelin JR, Swartz TH, Piggott DA, Macias Gil R, **Mathew TA**, et al. Racial disparity of coronavirus disease 2019 in African American Communities. *J Infect Dis* 2020 August 17;222(6): 890-893.

Lodise TP, Rosenkranz SL, Finnemeyer M, Evans S, **Sims MD**, Zervos MJ, et al. Antibacterial Resistance Leadership Group. The emperor's new clothes: Prospective observational evaluation of the association between initial vancomycin exposure and failure rates among adult hospitalized patients with MRSA bloodstream infections (PROVIDE). *Clin Infect Dis*, 2020 April 10;70(8):1536-1545.

Lodise TP, Van Wart S, Sund ZM, Bressler AM, Khan A, Makely AT, et al, **[Sims MD]**. Pharmacokinetic and pharmacodynamic profiling of minocycline for injection following a single infusion in critically ill adults in a phase IV open-label multi-center study (ACUMIN). *Antimicrob Agents Chemother*, 2020 November 9.

Malamet BJ, **Sims MD**. Resistance in gram-negative bacteria in the pediatric patient population by age and sex. *Open Forum Infectious Diseases*, Volume 7, Issue Suppl 1, October 2020;S689.

Macias Gil R, Marcelin JR, Zuniga-Blanco B, Marquez C, **Mathew TA**, Piggott DA. COVID-19 pandemic: Disparate health impact on the Hispanic/Latinx population in the United States. *J Infect Dis*, 2020 October 13;222(10):1592-1595.

Miller W, Ziegler K, Graham S, Maddens M, **Sims MD**. Association of metabolomic biomarkers with sleeve gastrectomy weight loss outcomes. *Obesity*, Volume 28, Suppl 2, November 2020;S52-53.

INFECTIOUS DISEASE

Peer Reviewed Articles:

Peterson E, Fergus J, **Yost C**, Qu L, **Chittick P**. The effect of a multimodal stewardship approach on antibiotic prescribing for outpatients with acute respiratory tract infections: Order set implementation and education. *Journal of the American College of Clinical Pharmacy*, March 2020, Volume 3;1319-1325

Peterson E, **Chittick P**, Richardson C. Decreasing voriconazole requirement in a patient after extracorporeal membrane oxygenation discontinuation: A case report. *Transpl Infect Dis*, 2020 December 14.

Pickens C, Wunderink RG, Qi C, Mopuru H, Donnelly H, **Powell K**, et al, [**Sims MD**]. A multiplex polymerase chain reaction assay for antibiotic stewardship in suspected pneumonia. *Diagn Microbiol Infect Dis*, 2020 December;98(4):115179.

Sims MD, Maine GN, Childers, KL, Podolsky RH, Voss DR, Berkiw-Scenna N, et al. COVID-19 seropositivity and asymptomatic rates in healthcare workers are associated with job function and masking. *CID*, November 5, 2020.

Strålin K, Rothman RE, Özenci V, Barkataki K, Brealey D, Dhiman N, et al, [**Sims MD**]. Performance of PCR/electrospray ionization-mass spectrometry on whole blood for detection of bloodstream microorganisms in patients with suspected sepsis. *J Clin Microbiol*, 2020 July 8.

Tan TQ, Kullar R, Swartz TH, **Mathew TA**, Piggott DA, Berthaud V. Location matters: Geographic disparities and impact of coronavirus disease 2019. *J Infect Dis*, 2020 Nov 13;222(12):1951-1954.

Weber DJ, Talbot TR, Weinmann A, **Mathew TA**, Heil E, Stenehjem E, et al. Policy statement from the Society for Healthcare Epidemiology of America (SHEA): Only medical contraindications should be accepted as a reason for not receiving all routine immunizations as recommended by the Centers for Disease Control and Prevention. *Infect Control Hosp Epidemiol*, 2020 September 17:1-5.

INFECTIOUS DISEASE

Book Chapter or Full Book Publications:

Johnson PC, Le M, **Sims MD**, Bozyk PD. Diagnosis and management of clostridium difficile infection (CDI). Evidence-based critical care: Cham: Springer; 2020;539-543.

Taylor T, Baxa D, **Sims MD**. Learning microbiology and infectious diseases: Clinical case prep for the USMLE. Thieme Medical Publishers Inc, January 2020.

INFECTIOUS DISEASE

Invited Research Presentations:

Burwick R, Yawetz S, Stephenson KE, Collier A-R, Sen P, Blackburn B, et al, [**Sims MD**]. Compassionate use of remdesivir in pregnant women with severe covid-19. International AIDS Society COVID-19 Conference, July 10-11, 2020; American College of Clinical Pharmacy Annual Meeting, October 19-30, 2020.

Brickner E, **Johnson P, Mathew TA**. Implementation and evaluation of alcohol screening tool in HIV patients. ID Week, October 2020.

Hirsch A, **Carpenter CF**: Missed opportunities for HIV screening in the Emergency Department. ID Week 2020, October 21-25, 2020.

Lashner B, Korman L, Kraft CS, **Sims MD**, Wang EE, Brady K, et al. 8 and 12 week efficacy and safety data from ECOSPOR- III a phase 3 double-blind, placebo-controlled randomized trial of SER-109 an investigational microbiome therapeutic for the treatment of patients with recurrent Clostridioides Difficile Infection (rCDI). American College of Gastroenterology, October 23-28th, 2020. Virtual.

Malamet B and **Sims MD**. Resistance in gram-negative bacteria in the pediatric patient population by age and sex. ID Week 2020; October 21-25, 2020. Virtual.

Mathew TA, Hopkins J, Kamerer D, **Ali S**, Ortiz D, **Johnson P**, et al, [**Chittick P, Carpenter C**]. Molecular SARS-CoV-2 testing during the COVID-19 outbreak: Experiences of a hospital in southeast Michigan, USA. ID Week, October 2020. Virtual.

Miller W, Ziegler K, Yilmaz W, Akyol S, Ustun I, **Sims MD**. Association of metabolomic biomarkers with sleeve gastrectomy weight loss outcomes. Obesity Week, The Obesity Society's Annual International Scientific Conference, 2020 November 2-6. Virtual.

Salisbury K, **Fishbain J**, Dudar B. I drank well water in Portugal and look what it did to my heart. Michigan ACP Scientific Meeting, October 2020. Virtual.

Sims MD. COVID-19 research at Beaumont Health. Infectious Diseases Grand Rounds, Wayne State University, Detroit, MI, May 5, 2020, Virtual.

Sims MD. COVID-19 researchers on advancements in COVID-19: When might we return to normal. Crain's Health Summit, October 13, 2020. Virtual.

Sims MD. Diagnosis and testing of Covid-19. Michigan Infectious Disease Society & Michigan Department of Health & Human Services, Annual Scientific Meeting, November 12, 2020. Virtual.

Sims MD. The design and execution of a health system wide seroprevalence study for COVID-19. Association of Medical Laboratory Immunologists 33rd Annual Scientific Meeting, August 23, 2020. Virtual.

NEPHROLOGY

Peer Reviewed Articles:

Blackheart C, **Topf JM**, Hiremath S. Proliferation of papers and preprints during the coronavirus disease 2019 pandemic: Progress or problems with peer review? *Adv Chronic Kidney Dis*, 2020 September;27(5):418-426.

Greenbaum LA, Jeck N, Klaus G, Fila M, Stoica C, Fathallah-Shaykh S, et al, **[Wickman L]**. Safety and efficacy of sucroferric oxyhydroxide in pediatric patients with chronic kidney disease. *Pediatric Nephrology*, October 2020.

Golas VL, Lao KM, Misuraca MS, Li W, Marrone MG, Kanaan HD, et al, **[Zhang PL]**. The clinical features of overlap syndrome (ANCA-associated crescentic glomerulonephritis [AACGN] and immune complex-mediated glomerulonephritis) are similar to those of AACGN alone. *Int Urol Nephrol*, 2020 October 6.

Ionescu F, Petrescu I, **Marin M**. Unusual behaviour of an unusual tumour: Calcitriol-induced hypercalcaemia in metastatic oesophageal neuroendocrine carcinoma. *BMJ Case Rep*, 2020 August 25;13(8).

Mahatanan R, **Tantisattamo E**, Charoenpong P, Ferrey A. Outcomes of *C difficile* infection in solid-organ transplant recipients: The National Inpatient Sample (NIS) 2015-2016. *Transpl Infect Dis*, 2020 September 7.

Oska S, Lerma E, **Topf J**. A picture is worth a thousand views: A triple crossover trial of visual abstracts to examine their impact on research dissemination. *J Medical Internet Research*, 2020;22(12).

Seifert ME, Dahale DS, Kamel M, Winterberg PD, Barletta GM, Belsha, **[Wickman L]**. The improving renal outcomes collaborative: blood pressure measurement in transplant recipients. *Pediatrics*, July 2020.

Tantisattamo E, Ferrey AJ, Reddy UG, Ichii H, Dafoe DC, Kalantar-Zadeh K. Haddon matrix for kidney transplantation during COVID-19 Pandemic: A problem solving framework for present and Future. *Transpl Infect Dis*, 2020, June 20.

Tantisattamo E, Hanna RM, Reddy UG, Ichii H, Dafoe DC, Danovitch GM, et al. Novel options for failing allograft in kidney transplanted patients to avoid or defer dialysis therapy. *Curr Opin Nephrol Hypertens*, 2020 January;29(1):80-91.

Tantisattamo E, Kalantar-Zadeh K. Editorial: Novel therapeutic approaches in chronic kidney disease and uremia management. *Curr Opin Nephrol Hypertens*, 2020 January;29(1):1-3.

Tantisattamo E, Reddy UG, Duong DK, Ferrey AJ, Ichii H, Dafoe DC, et al. Hyponatremia: A possible immuno-neuroendocrine interface with COVID-19 in a kidney transplant Recipient. *Transpl Infect Dis*, 2020 June 8.

NEPHROLOGY

Peer Reviewed Articles:

Topf JM. Introduction: Social media and medical education come of age. *Semin Nephrol*, 2020 May;40(3):247-248.

NEUROLOGY

Peer Reviewed Articles:

Grysiewicz R, Klueh U, **Menkes DL**. Neurological complications of the COVID-19 pandemic: What is known, what has ensued and what the pandemic portend?. Open Access Journal of Neurology and Neurosurgery, June 2020;13:p63-67.

Al Jumah M, Al Khathaami AM, **Kojan S**. The prevalence of primary headache disorders in Saudi Arabia: A cross-sectional population-based study. J Headache Pain, 11 February 2020:21.

Arabi YM, Asiri AY, Assir AM, **Kojan S** Treatment of middle east respiratory syndrome with a combination of lopinavir/ritonavir and interferon- β 1b (MIRACLE trial): Statistical analysis plan for a recursive two-stage group sequential randomized controlled trial. Trials 21, 8 January 2020.

Bagic AI, Funke ME, Kirsch HE, Tenney JR, **Zillgitt AJ**, Burgess RC. The 10-common evidence-supported indications for MEG in epilepsy surgery: An illustrated compendium. J Clin Neurophysiol, November 2020;37(6):483-497.

Bowyer SM, **Zillgitt A**, Greenwald M, Lajiness-O'Neill R. Language mapping with magnetoencephalography: An update on the current state of clinical research and practice with considerations for clinical practice guidelines. J Clin Neurophysiol, November 2020;37(6):554-563.

Ghandour M, **Hashim A**, Yassin AS, **ELJack A**, **Shereef H**, **Mohamed K**, et al, [**Singer D**]. Progressive multifocal leukoencephalopathy secondary to adalimumab. Am J Ther, 2020 April 23.

Meador KJ, Pennell PB, May RC, Van Marter L, McElrath TF, Brown C, et al, [**Zillgitt AJ**]. MONEAD Investigator Group. Fetal loss and malformations in the MONEAD study of pregnant women with epilepsy. Neurology, April 2020;94(14).

Saban RJ, **Berns MM**, **Al-Hakim MM**, **Patino GA**. Hydrocephalus as the presenting symptom of sarcoidosis: A case report and review of literature. Clin Case Rep, 2020 January 14;8(2):363-368.

Zillgitt A, Barkley GL, Bowyer SM. Visual mapping with magnetoencephalography: An update on the current state of clinical research and practice with considerations for clinical practice guidelines. J Clin Neurophysiol, November 2020;37(6):585-591.

NEUROLOGY

Abstracts with Associated Research Presentations:

Girgis M, Abousamra A, Imbs IV J, **Zillgitt A, Parres C**, Krishnan A, et al. Cases series: Temporal lobe encephaloceles (TE) in adult-onset drug resistant Mesial Temporal Lobe Epilepsy (MTLE). American Academy of Neurology, April 2020, Toronto, Ontario, Dominion of Canada.

Imbs J, Girgis M, Abousamra A, **Parres C**, Krishnan A, Zakalik K, et al, **[Zillgitt AJ]**. Temporal lobe encephalocele in adult-onset drug resistant MTLE. American Academy of Neurology 2020 Annual Meeting. July 2020. Virtual.

Ryder O, Rammage L, **Parres C**, Vikas R, Vanood A, **Zillgitt A**. Prognostic and clinical value of continuous EEG monitoring in patients undergoing therapeutic hypothermia after cardiac arrest. American Academy of Neurology, April 2020, Toronto, Ontario, Dominion of Canada.

Ryder O, Rammage L, Vanood A, Ravi V, **Zillgitt AJ, Parres C**. Prognostic and clinical value of continuous EEG monitoring in patients undergoing therapeutic hypothermia after cardiac arrest. American Academy of Neurology 2020 Annual Meeting, August 2020. Virtual.

Vanood A, Sharrak A, Randall D, Ibironke O, Sekhon M, et al, **[Kojan S]**. Neurological manifestations of COVID-19 in 1156 hospitalized patient in Michigan. AMA Annual Meeting, Meeting, November 2020. Virtual.

Invited Research Presentations:

Menkes DL. The Guillain Barre Syndrome. Neurosurgery Grand Rounds, Beaumont Royal Oak, Royal Oak, MI, January 25, 2020.

Zillgitt A. Practice of clinical magnetoencephalography: The past is the present and the future with so much more! St. Louis University, Department of Neurology Grand Rounds, Saint Louis, MO, May 28, 2020.

NUTRITION AND PREVENTIVE MEDICINE

Abstracts with Associated Research Presentations:

Miller W, Ziegler K, Yilmaz A, Akyol S, Ustun I, Sims M, Graham S, et al, **[Maddens M]**. Association of metabolomic biomarkers with sleeve gastrectomy weight loss outcomes. Obesity Week, The Obesity Society's Annual International Scientific Conference, virtual meeting. Obesity, 2020 November; 28(S2).

PULMONARY AND CRITICAL CARE

Peer Reviewed Articles:

Castillo E, Castillo R, Vinogradskiy Y, **Nair GB**, Grills I, Guerrero T, et al. On the spatial correlation between robust CT-ventilation methods and SPECT ventilation. *Med Phys*, 2020 November;47(11):5731-5738.

Ionescu F, Grasso-Knight G, Castillo E, Naeem E, Imam Z, **Nair GB**. Therapeutic anticoagulation delays death in COVID-19 patients: Cross sectional analysis of a prospective cohort. *TH Open*, 2020 Sep 26;4(3):e263-e270.

Ionescu F, Jaiyesimi I, Iona P, Lawler P, Castillo E, Yolanda M, et al, [**Nair GB**]. Association of anticoagulation dose and survival in hospitalized COVID-19 patients: A propensity score weighted analysis of a large retrospective cohort. *Eur J Haematol*, October 2020, 106(2):165-174.

Kolderman N, Cheti DR, Hasbrook CD, Forsyth AJ, Coffey MP, **Nair GB**, et al. Pneumothorax rate and diagnostic adequacy of CT- guided lung nodule biopsies performed with 18G vs 20G needles: A cross-sectional study. *J Thorac Imaging*, 2020 July;35(4):265-269.

Meka S, Mohr M, **Nair GB**, Salman B. Autoimmune pulmonary alveolar proteinosis mimicking Mycoplasma pneumonia in an adolescent. *Respir Med Case Rep*, 2020 June 1;30:101100.

Nair GB, Al-Katib S, Castillo E. Pulmonary blood mass and quantitative lung function imaging in idiopathic pulmonary fibrosis. *Radiology: Cardiothoracic Imaging*, June 2020(3).

Nair GB, Castillo E, Myzuik N, Grills I, Stevens C, Guerrero T. Differential ventilation pattern on novel functional imaging in a patient with unilateral bronchial obstruction caused by adenoid cystic carcinoma. *Am J Respir Crit Care Med*, 2020 February 1;201(3).

Nair GB, Galban CJ, Al-Katib S, Podolsky R, van den Berge M, Stevens C, et al. An assessment of the correlation between robust CT-derived ventilation and pulmonary function test in a cohort with no respiratory symptoms. *Br J Radiol*, 2020 December 15:20201218.

Nair GB, Niederman MS. Updates on community acquired pneumonia management in the ICU. *Pharmacol Ther*, 2020 Aug 15:107663.

Rassmusen C, **Nair GB**, S Al-Katib. A case of vaping associated acute lung injury. *Clinical Pulmonary Medicine*, May 2020, 27(3)79-82.

Villafuerte D, Aliberti S, Soni NJ, Faverio P, GLIMP investigators (collaborator). Prevalence and risk factors for Enterobacteriaceae in patients hospitalized with community-acquired pneumonia. *Respirology*, 2020 May;25(5):543-551.

PULMONARY AND CRITICAL CARE

Book Chapter or Full Book Publications:

Koneru H, **Pattisapu A, Bozyk PD**. Tumor lysis syndrome. In: Hyzy R, McSparron J, editors. Evidence-based critical care: Cham: Springer; 2020;611-614.

Gualdoni J, **Meka SG, Bozyk PD**. Principles of nutrition in the critically ill patient. In: Hyzy R, McSparron J, editors. Evidence-based critical care: Cham: Springer; 2020;545-550.

Johnson PC, Le M, Sims MD, Bozyk PD. Diagnosis and management of clostridium difficile infection (CDI). In: Hyzy R, McSparron J, editors. Evidence-based critical care: Cham: Springer; 2020;539-543.

Nair GB, Niederman MS. Community acquired pneumonia. Vincent's Textbook of Critical Care: 8th Edition: Elsevier Health Sciences, 2020.

PULMONARY AND CRITICAL CARE

Abstracts with Associated Research Presentations:

Gupta A, Ducatman B, Iftikhar H, **Nair GB**, Hafez-Khayatta S. Pulmonary capillaritis: The breakdown of the histologic features. American Society of Clinical Pathology (ASCP) 2020.

Nair GB, Al-Katib S, Podolsky R, Castillo E. Online detection of early disease progression in idiopathic pulmonary fibrosis using quantitative lung function and pulmonary blood mass imaging. American Thoracic Society (ATS), 2020.

Naeem E, Ionescu F, Castillo E, Patel VK, Dogra S, Calvo E, et al, **[Nair GB]**. Biomechanics of ARDS in COVID-19: A prospective observational study. CHEST, 2020.

Invited Research Presentations:

Nair GB. Introduction to quantitative imaging and machine learning platforms in pulmonary medicine. CHEST International meeting, October 2020.

Nair GB. Quantitative lung function imaging in pulmonary medicine. Grand Rounds, Spectrum Health, September 2020.

Nair GB. Chronic fibrosing ILD with a progressive phenotype. Grand Rounds, Ascension Crittenton, November 2020.

NURSING

Peer Reviewed Articles:

Bittinger AC, Dunn K, **Hranchook A**, Codier E. Relationship between emotional intelligence and occupational stress levels among certified registered nurse anesthetists. AANA Journal, October 2020;88(5):398-404.

Campbell D, Ditkoff J. Evaluating hospital readmissions through the perspective of the returning emergency department patient. Qual Manag Health Care, 2020;29(1):15-19.

Grant S, Davidson J, Manges K, Dermenchyan A, Wilson E, Dowdell E. Creating healthful work environments to deliver on the quadruple aim: A call to action. J Nurs Adm, 2020 Jun;50(6):314-321.

Liebzeit D, Bratzke L, Boltz M, **Purvis S**, King B. Getting back to normal: A grounded theory study of function in post-hospitalized older adults. Gerontologist 2020, May 15;60(4):704-714.

Paul JC. Development of the middle-range theory of wound itch. Br J Nurs, 2020 November 12;29(20):S32-S37.

OBSTETRICS / GYNECOLOGY

Peer Reviewed Articles:

Akyol S, Yilmaz A, Oh KJ, *Ugur Z, Aydas B, McGuinness B, et al, **[Graham SF]**. Evidence that the Kennedy and polyamine pathways are dysregulated in human brain in cases of dementia with Lewy bodies. *Brain Res*, September 2020;1743:146897.

Akyol O, Chowdhury I, Akyol HR, Tessier K, Vural H, **Akyol S**. Why are cardiovascular diseases more common among patients with severe mental illness? The potential involvement of electro-negative low-density lipoprotein (LDL) L5. *Medical Hypotheses*, September 2020; 142:109821.

Akyol S, Karagoz Z, Inan ND, Butun I, Benli I, Demircan K, et al. The gene expression and protein profiles of ADAMTS and TIMP in human chondrosarcoma cell lines induced by insulin: The potential mechanisms for skeletal and articular abnormalities in diabetes. *Electronic Journal of General Medicine*, 2020;17, No.1.

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*, 2020 February 3:1-16.

Alhousseini A, Vadillo-Ortega F, Palacios-Gonzalez B, Theis KR, Winters AD, Hassan SS, et al. Differential secretion of inflammatory cytokines by human trophoblasts in the presence of escherichia coli, lactobacillus crispatus, and lactobacillus jensenii. *Gynecol Obstet Invest*, 2020;85(3):277-283.

Arden JD, Marvin K, Nandalur SR, Al-Wahab Z, Field J, Gadzinski J, et al, **[Rakowski JA, Rosen B, Jawad MS]**. Sequencing of adjuvant chemoradiation for advanced stage endometrial cancer: Outcomes and toxicity profiles. *Am J Clin Oncol* 2020, November;43(11):755-761.

Arden JD, Marvin K, Ye H, Juratli L, Nandalur SR, Al-Wahab Z, et al, **[Field J, Gadzinski J, Rakowski JA, Rosen B, Jawad MS]**. Combined adjuvant chemotherapy and radiation therapy improves disease-free survival for uterine serous cancer. *Adv Radiat Oncol*, 2020 Oct 24;5(6):1232-1239.

Baecher-Lind L, **Fleming AC**, Bhargava R, Cox SM, Everett EN, Graziano SC, et al. Medical education and safety as co-priorities in the coronavirus disease 2019 (COVID-19) Era: We can do both. *Obstet Gynecol*, 2020 October;136(4):830-834.

Bahado-Singh RO, Vishweswaraiah S, Er A, **Turkoglu O**, Taskin BD, Duman M, et al, **[*Radhakrishna U]**. Artificial intelligence and the detection of pediatric concussion using epigenomic analysis. *Brain Research*, January 2020,1726:146510.

Bahado-Singh RO, Vishweswaraiah S, Aydas B, **Yilmaz A, Saiyed NM**, Mishra NK, et al. **[*Radhakrishna U]**. Precision cardiovascular medicine: Artificial intelligence and epigenetics for the pathogenesis and prediction of coarctation in neonates. *J Maternal Fetal Neonatal Medicine*, February 2020;1-8.

OBSTETRICS / GYNECOLOGY

Peer Reviewed Articles:

Bahado-Singh RO, Turkoglu O, Yilmaz A, Kumar P, Zeb A, Konda S, et al, **[Graham SF]**. Metabolomic identification of placenta alterations in fetal growth restriction. *J Maternal Fetal Neonatal Medicine*, February 2020;1-10.

Bahado-Singh RO, Vishweswaraiah S, Mishra NK, Guda C, ***Radhakrishna U.** Placental DNA methylation changes in detection of Tetralogy of Fallot. *Ultrasound Obstetric Gynecology*, June 2020;55(6):768-775.

Graham SF, Turkoglu O, Yilmaz A, Ustun I, *Ugur Z, Bjorndhal T, et al, **[Bahado-Singh RO]**. Targeted metabolomics highlights perturbed metabolism in the brain of autism spectrum disorder sufferers. *Metabolomics*, April 2020;16(5):59.

Kant S, Kesarwani P, Prabhu A, **Graham SF,** Buelow KL, Nakano I, et al. Enhanced fatty acid oxidation provides glioblastoma cells metabolic plasticity to accommodate to its dynamic nutrient microenvironment. *Cell Death Disease*, April 2020;11(4):253.

Kant S, Kesarwani P, Guastella AR, Kumar P, **Graham SF,** Buelow KL, et al. Perhexiline demonstrates FYM-mediated antitumor activity in glioblastoma. *Mol Cancer Ther*, July 2020; 19(7):1415-1422.

Kim SR, Kotsopoulos J, Sun P, Bernardini M, Laframboise S, Ferguson S, et al, **[Rosen B]**. The impacts of neoadjuvant chemotherapy and of cytoreductive surgery on ten-year survival from advanced ovarian cancer. *Int J Gynaecol Obstet*, 2020 December 16.

Kountanis JA, Vahabzadeh C, **Bauer S,** Muzik M, Cassidy R, Aman C, et al. Labor epidural analgesia and the risk of postpartum depression: A meta-analysis of observational studies. *J Clin Anesth*, 2020 May;61:109658.

Lalwani AM, **Yilmaz A,** Bisgin H, *Ugur Z, **Akyol S, Graham SF.** The biochemical profile of post-mortem brain from people who suffered from epilepsy reveals novel insights into the etiopathogenesis of the disease. *Metabolites*, June 2020;10(6):261.

Martens LG, Luo J, Meulmeester FL, **Ashrafi N,** van Eekelen EW, de Mutsert R, et al. Associations between lifestyle factors and vitamin E metabolites in the general population. *Antioxidants*, December 2020;9(12):1280.

Miller W, Ziegler K, **Graham SF,** Maddens M, Sims M. Association of metabolomic biomarkers with sleeve gastrectomy weight loss outcomes. *Obesity Research Journal*, 2020;28(S2):43.

Ogunyemi D, **Haltigin C,** Vallie S, Ferrari TM. Evolution of an obstetrics and gynecology interprofessional simulation-based education session for medical and nursing students. *Medicine (Baltimore)*, 2020 October 23;99(43).

Peter IM, Deraney RN, Orango O, Philip T, **Rosen B,** Cu-Uvin S. Radical hysterectomy for operable early cervical cancer in HIV-positive and HIV-negative women in western Kenya. *Int J Gynaecol Obstet*, 2020 Mar;148(3):403-404.

OBSTETRICS / GYNECOLOGY

Peer Reviewed Articles:

Tuma F, McKeown DG, **Al-Wahab Z**. Rectovaginal fistula. StatPearls Publishing LLC; 2020.

Yilmaz A, *Ugur Z, Bisgin H, **Akyol S**, **Bahado-Singh RO**, Wilson G, et al, [**Graham SF**]. Targeted metabolic profiling of urine highlights a potential biomarker panel for the diagnosis of Alzheimer's disease and mild cognitive impairment: A pilot study. Metabolites, August 2020; 10(9):357.

Yilmaz A, *Ugur Z, Ustun I, **Akyol S**, **Bahado-Singh RO**, Madden M, et al, [**Graham SF**]. Metabolic profiling of CSF from people suffering from sporadic and LRRK2 Parkinson's disease: A pilot study. Cell, October 2020;9(11):2394.

Yilmaz A, Ustun I, *Ugur Z, **Akyol S**, Hu WT, Fiandaca MS, et al, [**Graham SF**]. A community-based study identifying metabolic biomarkers of mild cognitive impairment and Alzheimer's disease using artificial intelligence and machine learning. J Alzheimer's Disease, 2020; 78(4):1381-1392.

Book Chapter or Full Book Publications:

Alpay S, Kim SK, Oh KJ, **Graham SF**. Advances in cerebral palsy biomarkers. Adv Clin Chem, May 23, 2020.

OBSTETRICS / GYNECOLOGY

Abstracts with Associated Research Presentations:

Akyol S, *Ugur Z, Ustun I, **Yilmaz A**, Kumar SK, *Oh KJ, et al, [**Graham SF**]. Lipidomic signatures of brain from patients with Alzheimer's disease reveals a specific enrichment in glycerolipids, glycerophospholipids, and sphingolipids. Metabolomics Association of North America 2nd Annual Conference (Virtual), September 14-16, 2020.

Akyol O, **Akyol S**. Current understanding of the possible involvement of electronegative LDL and its receptor in the symptomatology and pathology of Alzheimer's disease. Wiregrass Chapter 5th Annual Meeting, Dothan AL, November 6-7, 2020.

Miller W, Ziegler K, **Graham SF**, Maddens M, Sims M. Association of metabolomic biomarkers with sleeve gastrectomy weight loss outcomes. The Obesity Society Annual 2020 Meeting November 2-6, 2020.

Yilmaz A, *Ugur Z, Ustun I, Bisgin H, **Akyol S**, **Bahado-Singh RO**, et al, [**Graham SF**]. Targeted metabolic profiling of urine highlights a potential biomarker panel for the diagnosis of Alzheimer's disease and mild cognitive impairment: A pilot study. Metabolomics Association of North America 2nd Annual Conference, September 14-16, 2020. Virtual.

Yilmaz A, Ustun I, *Ugur Z, **Akyol S**, Hu WT, Fiandaca MS, et al, [**Graham SF**]. A community-based study identifying metabolic biomarkers of MCI and AD using artificial intelligence and machine learning. Metabolomics Association of North America 2nd Annual Conference. September 14-16, 2020. Virtual.

OPHTHALMOLOGY

Peer Reviewed Articles:

Baker N, Chao J, Pearce ZD. Progressive eyelid swelling in a middle-aged man. JAMA Ophthalmol, 2020 November 12.

Bakhsh SR, Reddy DN, Wa CA, Lee R, Faia L, Trese MT. Suspected intrauterine injury causing abusive ocular trauma. Retin Cases Brief Rep, September 29, 2020.

Carniciu AL, Jovanovic N, Kahana A. Eyelid complications associated with surgery for periocular cutaneous malignancies. Facial Plastic Surgery, 2020;6(2):166-75.

Chao J, Saleem S, Tausif HN, Levasseur K, Stec LA. Internuclear ophthalmoplegia as the first manifestation of pediatric-onset Multiple Sclerosis and concurrent Lyme disease. Am J Case Rep 2020 October 7;21.

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***Mourad W**, **Wiater JM**, **Wiater BP**, **Martusiewicz A**. Baseplate options for reverse total shoulder arthroplasty. Curr Rev Musculoskelet Med, December 2020;13(6):769-775.

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Newton MD, Junginger L, Maerz T. Automated microCT-based bone and articular cartilage analysis using iterative shape averaging and atlas-based registration. Bone, August 2020;137:115417.

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***Possley D, *Baker E, *Baker K, Khalil JG.** Surface modification techniques to enhance osseointegration of spinal implants. *J Am Acad Orthop Surg*, November 2020; 28(22).

Randall D, **Jee Y**, Vanood A, **Mayo D.** Atypical presentation of periprosthetic joint infection after total knee arthroplasty due to *parvimonas micra*. *Arthroplasty Today*, November 2020; 6(4):901-905.

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ORTHOPAEDIC SURGERY

Book Chapter or Full Book Publications:

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ORTHOPAEDIC SURGERY

Abstracts with Associated Research Presentations:

***Baker EA, *Gehrke C, *Ciufu D, Vaupel Z, Fortin P.** Postoperative length of stay may predict foot and ankle patients at risk for readmission. Annual Meeting of the American Orthopaedic Foot & Ankle Society (AOFAS), September 2020. Virtual.

***Baker EA, Harley J, *Gehrke C, *Ciufu D, Fortin P, Vaupel Z.** Applying the periprosthetic joint infection consensus definition to a case series of revision foot and ankle implant-associated and infection-suspected procedures to assess diagnosis. Annual Meeting of the American Orthopaedic Foot & Ankle Society (AOFAS), September 2020. Virtual.

***Baker EA, Vaupel Z, *Gehrke C, *Briggs D, *Baker K, Coetzee JC, et al, [Fortin P].** Retrieval analysis of total ankle arthroplasty implants and periprosthetic tissue through a multicenter collection. Annual Meeting of the Orthopaedic Research Society (ORS), Phoenix, AZ, February 2020.

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Cascardo C, ***Gehrke C, Moore D, Karadsheh M, Flierl M, *Baker EA.** Trends in dual mobility total hip revision arthroplasty: A damage mode and clinical data analysis. The International Society for Technology in Arthroplasty (ISTA) NEWS, October 2020. Virtual.

***Ciufu D, Koueiter D, *Alsaleh M, *Arapovic A, *Baker KC, *Baker EA, et al, [Fortin P, Vaupel Z].** A biomechanical evaluation of the tibia after retrograde intramedullary reaming. Annual Meeting of the American Orthopaedic Foot & Ankle Society (AOFAS), September 2020. Virtual.

***Ciufu D, *Baker EA, Fortin P.** Tibial torsion may predict morphology of the talus. Annual Meeting of the American Orthopaedic Foot & Ankle Society (AOFAS), September 2020. Virtual.

EI-Zein Z, *Croley J, *Gehrke C, *Siljander M, Verner J, Flierl M, et al, [*Baker EA]. Taper geometry and head size both affect taper fretting corrosion in total hip arthroplasty. Annual Meeting of the American Association of Hip and Knee Surgeons (AAHKS), Dallas, TX, November 2020. Virtual.

EI-Zein Z, *Croley J, *Gehrke C, Verner J, Flierl M, *Baker EA. Do taper geometry and head size affect taper fretting corrosion in total hip arthroplasty? A retrieval analysis of ceramic-on-polyethylene and metal-on-polyethylene explants. Annual Meeting of The American Academy of Orthopaedic Surgeons (AAOS), Orlando, FL, March 2020. Virtual.

Fischgrund JS, Rhyne A, Macadaeg K, Moore G, Kamrava E, Chris Y. Long-term outcomes following intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: 5-year treatment results from a prospective randomized double-blind sham-controlled multi-center study trial. Annual Meeting of the Lumbar Spine Research Society (LSRS), November 2020. Virtual.

ORTHOPAEDIC SURGERY

Abstracts with Associated Research Presentations:

Fleischer M, Newton MD, *Hartner S, *Luczak SB, Driscoll JA, Arveschoug A, et al, [*Baker KC]. Augmented immunomodulation of endogenous marrow-derived stem cells in the setting of ACL rupture. Annual Meeting of the Orthopaedic Research Society (ORS), Phoenix, AZ, February 2020.

Friedman B, ***Gehrke C, Huber C, Zakko P,* Baker EA**, Sims M, et al, **[Flierl M]**. Intraoperative purulence as a criteria for diagnosing periprosthetic joint infection. American Medical Association (AMA) Research Symposium, December 2020. Virtual.

***Gandhi S, Newton MD, Hartner S, Fleischer M, *Salisbury M, *Baker KC.** An in situ regenerative medicine approach to intervertebral disc regeneration. Annual Meeting of The American Academy of Orthopaedic Surgeons (AAOS), Orlando, FL, March 2020. Virtual.

***Gehrke C, El-Zein Z, *Croley J, *Mallow M, Verner J, Flierl M, et al, [*Baker EA].** Do taper geometry and head size affect taper fretting corrosion in total hip arthroplasty? A retrieval analysis of ceramic-on-polyethylene and metal-on-polyethylene explants. Annual Meeting of the Orthopaedic Research Society (ORS), Phoenix, AZ, February 2020.

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Khalil J, *Lundgren M, Chang V, Bazydlo M, Schultz L, Nerenz D, et al. A matched cohort analysis of drain usage in elective anterior cervical discectomy and fusion: A Michigan Spine Surgery Improvement Collaborative (MSSIC) study. Annual Meeting of the Cervical Spine Research Society (CSRS), December 2020. Virtual.

Khalil J, Smuck M, Keel J, Beall D, Goodman B, Kalapos P, et al. A prospective, randomized, multi-center study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain. Annual Meeting of The American Academy of Orthopaedic Surgeons (AAOS), Orlando FL, March 2020. Virtual.

Khalil J, Wahlmeier S, Chang V, Bazydlo M, Schultz L, Nerenz D, et al. Analysis of the effects of intraoperative neurophysiological monitoring on anterior cervical surgery: A Michigan Spine Surgery Improvement Collaborative (MSSIC) study. Annual Meeting of the Cervical Spine Research Society (CSRS), December 2020. Virtual.

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Abstracts with Associated Research Presentations:

Khatib O, Martusiewicz A, Cavinatto L, Galasso L, Koueiter D, Wiater B, et al, [Wiater JM]. Radiographic analysis of humeral head reconstruction with spherical head stemmed and stemless implants compared to an anatomic stemless non-spherical head implant. Annual Meeting of the American Academy of Orthopaedic Surgeons (AAOS), Orlando, FL, March 2020. Virtual.

Lamping J, *Daley E, Zaltz I. Reoperations following periacetabular osteotomy secondary to impingement. Annual Meeting of the Pediatric Orthopaedic Society of North America (POSNA), May 2020. Virtual.

***Linkous N, *Osborne J, *Kurdziel M, Newton M, Yilmaz A, Ugur Z, et al, [*Baker KC, Moore D].** Influence of cement type and argon beam pretreatment on articular cartilage adjacent to a simulated giant cell tumor of the distal femur. Annual Meeting of The American Academy of Orthopaedic Surgeons (AAOS), Orlando, FL, March 2020. Virtual.

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***Park K, Henrichsen J, *Siljander M, *Baker EA, *Gehrke C, Flierl M.** Applying the new musculoskeletal infection society classification (2018 Version) to determine rates, culture status, and risk factors of periprosthetic joint infections. Annual Meeting of The American Academy of Orthopaedic Surgeons (AAOS), Orlando, FL, March 2020. Virtual.

Sankar W, **Zaltz I.** Single-incision triple innominate osteotomy: Outcomes of an updated technique. Annual Meeting of the Pediatric Orthopaedic Society of North America (POSNA), May 2020. Virtual.

***Shields E, Koueiter D, Wiater JM.** Rate of improvement in outcomes measures after reverse total shoulder arthroplasty: A longitudinal study with two-year follow up. Annual Meeting of the American Academy of Orthopaedic Surgeons (AAOS), Orlando, FL, March 2020. Virtual.

Smith I, Golenbock S, Hwang R, Lee G, **Fischgrund J, Baker KC**, et al, **[Park D].** Clinical significance of lateral pedicle screw malposition in the lumbar spine. Annual Meeting of the Lumbar Spine Research Society (LSRS), November 2020. Virtual.

ORTHOPAEDIC SURGERY

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Swank K, Smith J, Shapiro P. The use of Kapandji intrafocal pinning to facilitate volar plating of dorsally angulated distal radius fractures. Annual Meeting of the American Society for Surgery of the Hand (ASSH), July 2020. Virtual.

Vaupel Z, *Briggs D, *Baker EA, *Gehrke C, Coetzee JC, Myerson M, et al, [Fortin P]. Retrieval analyses of total ankle arthroplasty implants and periprosthetic tissue through a multicenter collection. Annual Meeting of The American Academy of Orthopaedic Surgeons (AAOS), Orlando FL, March 2020. Virtual.

Vanood A, **Kasir R, Khalil J.** Conus medullaris syndrome days after a single epidural steroid injection. Journal of Physical Medicine Rehabilitation Studies & Reports, October 2020.

Wahlmeier S, Park D, *Petersen-Fitts G. Effect of plate thickness on fusion, complications and outcomes in anterior cervical spine surgery. Annual Meeting of the Cervical Spine Research Society (CSRS), December 2020. Virtual.

Wiater JM, *Wright J, Levy J, Wright S, Brockmeier S, Duquin T. Prospective, blinded, randomized controlled trial of stemless versus stemmed anatomic total shoulder arthroplasty. Annual Meeting of The American Academy of Orthopaedic Surgeons (AAOS), Orlando FL, March 2020. Virtual.

Wright J, *Gehrke C, *Mallow M, Savage P, Wiater P, Huber C, *Baker EA. Prevention of external fixator pin-tract infections using a synthetic coating to provide controlled release of a novel broad-spectrum antibiotic. The International Society for Technology in Arthroplasty (ISTA) NEWS, October 2020. Virtual.

Yen Y, Nepple J, **Zaltz I, Podeszwa D, Sink E, Kim Y, et al.** FAI surgery in the adolescent patient population: Mild deformities and lack of sports participation are associated with an increased risk of treatment failure. Annual Meeting of the Pediatric Orthopaedic Society of North America (POSNA), May 2020. Virtual.

Zaltz I, Bedi A, Nepple J, Beaulé P, Millis M, Sierra R. Surgical treatment of femoroacetabular impingement: Arthroscopy vs. surgical hip dislocation - A propensity matched analysis. Annual Meeting of the Pediatric Orthopaedic Society of North America (POSNA), May 2020. Virtual.

Non-Peer Reviewed Research Publications:

Bicos J. Perspective review on Dejour classification may not accurately represent entire trochlear shape in patients with patellar instability. Orthopedics Today Patellofemoral Update, February 2020.

PATHOLOGY and LABORATORY MEDICINE

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Boyanton BL Jr, Hanna M, Hafez-Khayyatta S, **Robinson-Dunn B**. Fatal postpartum infection. *Infectious Diseases in Clinical Practice*, 2020;28(1):53-54.

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Douglas J, Callahan R, Hothem Z, ***Cousineau C**, Kawak S, et al, [**Li W**]. Genomic variation as a marker of response to neoadjuvant therapy in locally advanced rectal cancer. *Mol Cell Oncol*, March 2, 2020;7(3).

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Freij BJ, Gebara BM, Tariq R, Wang AM, Gibson J, El-Wiher N, et al, [**Amin MB**, **Fullmer JM**]. Fatal central nervous system co-infection with SARS-CoV-2 and tuberculosis in a healthy child. *BMC Pediatr*, September 9, 2020;20(1):429.

Golas VL, **Lao KM**, Misuraca MS, **Li W**, Marrone MG, **Kanaan HD**, et al, [**Zhang PL**]. The clinical features of overlap syndrome (ANCA-associated crescentic glomerulonephritis [AACGN] and immune complex-mediated glomerulonephritis) are similar to those of AACGN alone. *Int Urol Nephrol*, 2020 October 6.

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Hristov A, Comfere N, Vidal C, **Sundram U**. Kappa and lambda immunohistochemistry and in situ hybridization in the evaluation of atypical cutaneous lymphoid infiltrates. *J Cutan Pathol*, November 2020;47(11):1103-1110.

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Kumar M, Sebai ME, **Appleford C**, Dekhne N. Myxoma in the axilla of a patient with a history of inflammatory breast cancer. *Breast J*, 2020 July;26(7):1400-1401.

Krishnan SM, **Zhang P**, **Qu Z**. Prevalence of Mast Cells as a surrogate marker for diagnosis of persistent eosinophilic esophagitis. *Archives of Pathology and Laboratory Medicine* September 9, 2020:144(9s1):e13.

PATHOLOGY and LABORATORY MEDICINE

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Lin HT, **Yu L**. Medical artificial intelligent research: Translating artificial intelligence into clinical practice. *Ann Transl Med*, June 8, 2020 (11):695.

Lyapichev KA, Piña-Oviedo S, Medeiros LJ, Evans MG, Liu H, Miranda AR, et al, **[Amin MB]**. A proposal for pathologic processing of breast implant capsules in patients with suspected breast implant anaplastic large cell lymphoma. *Mod Pathol*, March 2020; 33(3):367-379.

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Qu Z. Challenges for data extraction from narrative pathology reports *Arch Pathol Lab Med*, March 1, 2020;144 (3):273.

Sims MD, **Maine GN**, Childers KL, Podolsky RH, Voss DR, Berkiw-Scenna N, et al. COVID-19 seropositivity and asymptomatic rates in healthcare workers are associated with job function and masking. *Clin Infect Dis*, 2020 November 5.

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PATHOLOGY and LABORATORY MEDICINE

Peer Reviewed Articles:

Vakharia P, Xie M, Al-Hakim MM. Facial nerve palsy after temporal artery biopsy. *Skinmed*, 2020 January 1;18(1):54-55.

Wang D, Champion-Lyons E, Neyens R, Bohm N, Caddell B, Babic N. The effect of sample handling on free valproic acid levels. *J Appl Lab Med*, 2020 November 29.

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Zhang PL, Pancioli T, Li W, Kanaan HD. Electron microscopic findings can support multiple etiologies of nephrotoxicity in renal tubules. *Ultrastruct Pathol*, November 20, 2020;44(4-6):481-488.

Zhang PL, Herrera GA, Liu B. Monoclonal glomerulopathy with features of cryoglobulinemic glomerulopathy in murine multiple myeloma model. *Ultra Pathol*, November 2020.

PATHOLOGY and LABORATORY MEDICINE

Book Chapter or Full Book Publications:

Ducatman BS, **Bernacki KD**. Chapter 13: Liver. Cytology: Diagnostic Principles and Clinical Correlates, Fifth Edition, p425-450. March 13, 2020, Philadelphia: Elsevier.

Abstracts with Associated Research Presentations:

Creagh SM, Macknis JK, Zhang PL. A re-evaluation: Acute kidney injury patterns are similar in human autopsy kidneys and rat kidneys despite differences in renal tubule structure. USCAP 109th Annual Meeting, Los Angeles, CA, February 29-March 5, 2020.

Fatemi S, Cetner A, **Yu L**. An unusual subungual glomus tumor with myxoid changes. The American Society of Dermatopathology 57th Annual Meeting, November 2020.

Fullmer J, Fatemi S. Monoclonal brachyury staining in hemangioblastoma. American Association of Nurse Practitioners (Neuropath) meeting, June 2020.

Gupta A, Macknis JK, Zhang PL. Immunohistochemical staining panels help understand differentiation and maturation of mesonephros and metanephros. USCAP 109th Annual Meeting., Los Angeles, CA, February 29-March 5, 2020.

Kumar S, Talreja S, **Jabbar K**. Appendiceal diverticular disease versus low grade appendiceal mucinous neoplasm: A major diagnostic dilemma. 19th Shaukat Khanum Cancer Symposium, Virtual, Lahore, Pakistan, November 2020.

Krishnan S, Li W. Study of potential mutations in the genetic profiles of rectal cancer patients before and after neoadjuvant chemoradiation. College of American Pathologists 2020 Meeting, Las Vegas, NV, October 10–13, 2020.

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Lao KM, **Kanaan HD, Li W, Zhang PL**. Clinical indices for overlapping syndrome (ANCA associated crescentic glomerulonephritis [AACGN] and immune complex mediated glomerulopathy) are similar to AACGN only cases. College of American Pathologists 109th Annual Meeting, Los Angeles, CA, February 29–March 5, 2020.

Rybski K, **Sundram U**. Comparing breast cancer biomarkers between initial core needle biopsy/lumpectomy specimens and subsequent cutaneous metastases. American Society of Dermatopathology (ASDP) 57th Virtual Annual Meeting, November 5-11, 2020.

Wu J, **Deebajah M, Lai Z, Micale M, Yu L**. Utilization of deep neural network in recognition of BCR/ABL gene rearrangements in fluorescence in situ hybridization images. USCAP 109th Conference, Los Angeles, CA, February 2020.

PATHOLOGY and LABORATORY MEDICINE

Abstracts with Associated Research Presentations:

Yin W, **Zhang PL**. CD133+ progenitor cells in proximal tubules are most likely the first responding cells to acute tubular injury in human kidneys. Annual Meeting of American Society of Nephrology, October 22-25, 2020. Virtual.

Zhang PL, Deebajah M, Fullmer J, Ichimura T, Amin MB, Bonventre JV. Morphological evidence suggests that kidney injury molecule-1 may serve as a proximal tubule receptor for SARS-CoV-2. Annual Meeting of American Society of Nephrology, October 22-25, 2020. Virtual.

Zhang PL, Bonventre JV. Morphologic evidence of excretory function in human mesonephros. Annual Meeting of American Society of Nephrology, October 22-25, 2020. Virtual.

PEDIATRICS

Peer Reviewed Articles:

Al-Hadidi A, Lapkus M, Karabon P, **Akay B**, Khandhar P. Respiratory modalities in preventing reintubation in a pediatric intensive care unit. *Global Pediatric Health*, November 2020.

Al-Hadidi A, Lapkus M, Karabon P, Naseem A, **Akay B**, Khandhar P. Success of respiratory rescue therapy in preventing reintubation in a pediatric intensive care unit. *Critical Care Medicine*, January 2020;48(1):153.

Al-Hadidi A, Lapkus M, **Khandhar P**. Readiness for extubation for pediatric patients: *Paediatric Surgery Essentials*, July 2020.

Angus A, Demare A, Kawak S, Rizk M, Pastewski J, Burk C, et al, **[Khandhar P]**. Splenic trauma in a patient with heterotaxy: A case report and brief review of laterality defects. *Critical Care Medicine*. January 2020;48(1):881.

Azouz H, Gerrits P, Surhigh J, Kalladi Puthanpurayil S. COVID-19 in an infant with congenital adrenal hyperplasia: A case report. *Glob Pediatr Health*, 2020 October 5.

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Barrow JM, Brannan GD, **Khandhar PB**. Research Ethics. StatPearls Publishing LLC, 2020.

Barrow JM, **Khandhar PB**. Deontology. StatPearls Publishing LLC, 2020.

Boudiab E, **Khandhar P**. Post-op day 1 fever is never atelectasis: *Paediatric Surgery Essentials*, July 2020.

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David S, **Khandhar PB**. Double-blind study. StatPearls Publishing LLC, 2020.

DeMare A, **Brahmamdham P**, Jones K, England A, **Akay B**. Pediatric laparoscopic gastrostomy with fasteners: A technique to decrease surgical site infection. *Pediatrics*, July 2020;146(1):668-669.

DeMare A, Luehmann N, Kawak S, Abbot E, Long J, **Akay B**, et al, **[Brahmamdham P, Novotny N]**. Cost-effective approach to the laparoscopic appendectomy: Balancing disposable instrument cost with operative time. *The American Surgeon*, July 2020;86(6):715-20.

Diokno AC, **Devries JM**. The impact of COVID-19 on urologic practice, medical education, and training. *Int Urol Nephrol*, 2020 July;52(7):1195-1198.

Ernest S, **Khandhar PB**. Laryngotracheobronchitis. StatPearls Publishing LLC, 2020.

PEDIATRICS

Peer Reviewed Articles:

Freij BJ, Gebara BM, Tariq R, Wang AM, Gibson J, El-Wiher N, et al, [Krasan G, Fullmer JM]. Fatal central nervous system co-infection with SARS-CoV-2 and tuberculosis in a healthy child. *BMC Pediatr*, 2020 September 9; 20(1):429-1.

Freij BJ, Hanrath A, Chen R, Hambleton S, Duncan CJ. A novel case of STAT2 deficiency with hemophagocytic lymphohistiocytosis. *E-PAS 2020*, May 2020:2440.7.

Freij JB, **Freij BJ.** Rising rates of primary, secondary, and congenital syphilis in the United States: Is it time to resurrect corkscrew the killer? *E-PAS2020*, May 2020:1160.1.

Freij JB, **Freij BJ.** Scabies transmission studies on pacifist conscientious objectors in Great Britain during World War II. *American Society for Microbiology*, June 2020.

Guzzardo G, Gowans LK. A 21-year-old with right lower extremity edema. *Clin Pediatr*, 2020 August 28.

Hamilton N, Olumolade O, Aittama M, Samoray O, Khan M, **Wasserman J**, et al. Access barriers to healthcare for people with disabilities. *Journal of Public Health*, October 2020.

Hansen TWR, **Maisels MJ**, Ebbesen F, Vreman HJ, Stevenson DK, Wong RJ, et al. Sixty years of phototherapy for neonatal jaundice: From serendipitous observation to standardized treatment and rescue for millions. *J Perinatol*, 2020 October;40(10):1582-1583.

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Heitzer AM, Piercy JC, Peters BN, Mattes AM, **Klarr JM**, Batton B, et al. Cumulative antenatal risk and kindergarten readiness in preterm-born preschoolers. *J Abnorm Child Psychol*, 2020 January;48(1):1-12.

Holtrop P, **Khandhar PB**, Novotny N. Not all free air in the NICU is necrotizing enterocolitis. *Paediatric Surgery Essentials*, August 2020.

Jeon A, Trang A, Karabon P, Muczinski T, **Khandhar PB.** Questioning the FDA warning: Propofol use in the pediatric population. *Critical Care Medicine*, January 2020,48(1):594.

Jinna S, **Khandhar PB.** Hydroxyurea Toxicity. *StatPearls Publishing LLC*, 2020.

Jones G, Adams L, Metz T, **Akay B.** 3-year old with profound gastric distension. *Annals of Emergency Medicine*, May 2020;75(5):577.

Kelsch R, **Nolan D**, Krishnan A. Unusual case of biotin-thiamine responsive encephalopathy without basal ganglia involvement. *Pediatric Radiology*, September 2020.

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Peer Reviewed Articles:

Kullgren KA, Shefler A, Malas N, Monroe K, Leber SM, Sroufe N, et al, **[Mychaliska KP]**. Taking the pain out of somatization: Development and implementation of a hospital-based clinical practice guideline to address pediatric somatic symptom and related disorders. *Hosp Pediatr*, February 2020;10(2):105-113.

Lapkus M, Al-Hadidi A, Karabon P, Naseem A, Khandhar P, **Akay B**. Impact of reintubation and use of respiratory rescue therapy in the pediatric intensive care unit. *Critical Care Medicine*, January 2020;48(1):162.

Lapkus M, **Khandhar PB**. High flow nasal cannula in the surgical patient: Paediatric surgery essentials, July 2020.

Laskowski EP. Picture of the month. *Clin Pediatr*, 2020 October;59(12):1129.

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Luehmann N, Pastewski J, Cirino J, Al-Hadidi A, Demare A, Riggs T, et al, **[Novotny N, Akay B]**. Implementation of a pediatric trauma cervical spine clearance pathway. *Pediatric Surgery International*, January 2020;36(1):93-101.

Maisels MJ, Kring EA, *Coffey MP. Heme catabolism and bilirubin production in readmitted newborns. *J Pediatr*, November 2020;226:285-288.

Maisels MJ, Watchko JF. Improving post-discharge neonatal surveillance for the jaundiced newborn. *Acta Paediatr*, May 2020;109(5):872-873.

Malinowski S, **Wasserman J**. Centrifuged concentrated intravitreal triamcinolone acetonide (slurry kenalog®): An inexpensive, easy and viable alternative to long term steroid delivery. *Journal of VitreoRetinal Diseases*, September 2020;5:15-31.

Macari DM, Gbadamosi B, Jaiyesimi I, Gaikazian S. Medical cannabis in cancer patients: A survey of a community hematology oncology population. *Am J Clin Oncol*, 2020 September; 43(9):636-639.

Meka SG, Mohr M, Nair GB, **Salman BA**. Autoimmune pulmonary alveolar proteinosis mimicking Mycoplasma pneumonia in an adolescent. *Respir Med Case Rep*, 2020 June.

Monroe KK, Fried SQ, Rubin A, Markman LR, Shefler A, McCaffery H, et al, **[Mychaliska KP]**. Firearms screening in the pediatric inpatient setting. *Hospital Pediatrics*, January 2020;10(1):37-42.

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Peer Reviewed Articles:

Navin MC, **Wasserman JA**, **Jain S**, Baughman KR, Laventhal NT. When do pediatricians call the ethics consultation service? Impact of clinical experience and formal ethics training. *AJOB Empir Bioeth*, 2020;11(2):83-90.

Navin MC, **Wasserman JA**, Jain S, Baughman KR, Laventhal NT. When do pediatricians call the ethics consultation service? Impact of clinical experience and formal ethics training. *American Journal of Bioethics - Empirical Research*, April 2020;11:83-90.

Ozcan A, Ahn T, **Akay B**, Menoch M. Imaging for pediatric blunt abdominal trauma with different prediction rules: Is the outcome the same? *Pediatric Emergency Care*, November 2020.

Patek P, Corcoran J, Adams L, **Khandhar P**. SARS-CoV-2 infection in a 2-week-old male with neutropenia. *Clin Pediatr*, 2020 September;59(9-10):918-920.

Patel F, **Benjamin JS**, Gadiwala S. Acute torticollis in a 3-year-old child: Think outside the neck. *Pediatr Rev*, 2020 November;41(11):596-598.

Pitts D, **Wasserman J**, **Gould D**. Implementing a successful faculty driven diversity liaison program: An innovative approach to faculty recruitment at OUWB school of medicine. *Medical Science Educator*, June 2020;30:1007-1009.

Rubin A, Gattari TB, Monroe KK, **Mychaliska KP**. A PRIS network survey study of faculty physicians' background and experiences with family-centered rounding. *Journal of Communication in Healthcare*, August 2020;13(3):228-233.

Tabrizi P, Mansoor A, **Obeid, R**, Cerrolaza J, Perez D, Zember J, et al. Ultrasound-based phenotyping of lateral ventricles to predict hydrocephalus outcome in premature neonates. *Institute of Electrical and Electronics Engineers Issue 11*, November 2020.

Theis SR, **Khandhar PB**. Pseudohyponatremia. *StatPearl*, January 2020.

Thiele EA, Bebin EM, Bhathal H, Jansen FE, Kotulska K, Lawson JA, et al. Cannabidiol treatment for drug-resistant seizures in tuberous sclerosis complex: A placebo-controlled randomized clinical trial. *JMA Neurology*, December 2020.

Tomlinson MS, Santos HP, Stewart JR, Joseph R, Leviton A, Onderdonk AB, et al, **[Klarr J]**. Neurocognitive and social-communicative function of children born very preterm at 10 years of age: Associations with microorganisms recovered from the placenta parenchyma. *J Perinatol*, 2020 February;40(2):306-315.

Vandjelovic ND, Sugihara EM, Mulwafu W, **Madgy DN**. The creation of a sustainable otolaryngology department in Malawi. *Ear Nose Throat J*, 2020 September;99(8):501-502.

Vanood A, Lee YA, **Leleszi E**, Krishnan A. Symptomatic neurocutaneous melanosis: Mild clinical onset in a teenager. *BMJ Case Rep*, 2020 November 30;13(11).

PEDIATRICS

Peer Reviewed Articles:

Wasserman JA, Redinger M, Gibb T. Responding to unprofessional behavior by trainees: A just culture framework. *New England Journal of Medicine*, February 2020;382:773-777.

Wasserman JA, Navin MC. The irrelevance of origins: Dementia, advance directives, and the capacity for preferences. *Am J Bioeth*, 2020 August;20(8):98-100.

Wasserman JA, Navin MC, Drzyzga V, Gibb TS. Practicing what we preach: Clinical ethicists' professional perspectives and personal use of advance directives. *J Med Ethics*, 2020 October 26.

Zakaria A, Gill J, Nishi LM, Nadwodny J, Pujalte GGA. Soccer player with unusual right shoulder and arm pain and swelling. *J Prim Health Care*, 2020 June;12(2):181-183.

PEDIATRICS

Book Chapter or Full Book Publications:

Hinote B, **Wasserman J**. Social and behavioral science for health professionals. 2nd Ed. January 2020 Lanham, MD: Rowman and Littlefield.

Abstracts with Associated Research Presentations:

Al-Hadidi A, Lapkus M, Karabon P, Naseem A, **Akay B**, Khandhar P. Success of respiratory rescue therapy in preventing reintubation in a pediatric intensive care unit. Society of Critical Care Medicine (SCCM) Annual Meeting, Orlando, FL, February 2020; Beaumont Health Resident/Fellow Research Forum, Royal Oak, MI, May 2020; 15th Annual Academic Surgical Congress, Orlando, FL, February 2020; Canadian Critical Care Conference, Whistler, British Columbia, Canada, February 2020.

Husain S, Khair A, **Obeid R**. Serial EEG findings in infants with severe hyperbilirubinemia and neonatal seizures. The Child Neurology Society Meeting, San Diego, CA, October 2020.

Kawak S, Tom A, Boudiab E, Studzinski D, **Akay B**. Prospective evaluation of an evidence-based decision tool to assess pediatric blunt abdominal trauma. ACS Quality and Safety Conference, July 2020. Virtual.

Kawak S, Tom A, Studzinski D, Brahmamdam P, **Akay B**. Prospective evaluation of an evidence-based decision tool to assess pediatric blunt abdominal trauma. Beaumont Health Resident/Fellow Research Forum, Royal Oak, MI, May 2020.

Lapkus M, Al-Hadidi A, Karabon P, Khandhar P, **Akay B**. Impact of reintubation and the use of respiratory rescue therapy in the pediatric intensive care unit. Detroit Surgical Association, Detroit, MI, September 2020.

Lapkus M, Al-Hadidi A, Karabon P, Naseem A, Khandhar P, **Akay B**. Impact of reintubation and the use of respiratory rescue therapy in the pediatric intensive care unit. Society of Critical Care Medicine (SCCM) Annual Meeting, Orlando, FL, February 2020; Beaumont Health Resident/Fellow Research Forum, Royal Oak, MI, May 2020.

Shikhare A, Edlibi S, Cochran CD. Myopericarditis in an adolescent with diabetic ketoacidosis. AAP 2020, Virtual National Conference and Exhibition, October 2020.

PEDIATRICS

Non-Peer Reviewed Research Publications:

Al-Hadidi A, Lapkus M, Karabon P, Naseem A, **Akay B**, Khandhar P. Respiratory rescue therapy can help prevent reintubation for PICU patients. Clinical Anesthesiology News Online, November 23, 2020.

Khandhar PB, Bojornstad E, Krallman K, Askenazi D, Zappitelli M, Goldstein S, et al. Preliminary assessment of acute kidney injury in critically ill children associated with SARS-COV-2 infection. Clinical Journal of the American Society of Nephrology, November 2020.

PHARMACEUTICAL SERVICES

Peer Reviewed Articles:

Alosaimy S, Jorgensen SCJ, Lagnf AM, Melvin S, Mynatt RP, Carlson TJ, et al, **[Yost C]**. Real-world multicenter analysis of clinical outcomes and safety of meropenem-vaborbactam in patients treated for serious gram-negative bacterial infections. *Open Forum Infect Dis*, 2020 February 19;7(3).

Barnes GD, Li Y, Gu X, Haymart B, Kline-Rogers E, **Ali MA**, et al. Periprocedural bridging anti-coagulation in patients with venous thromboembolism: A registry-based cohort study. *J Thromb Haemost*, 2020 August;18(8):2025-2030.

Bissell BD, Laine ME, Thompson Bastin ML, Flannery AH, Kelly A, Riser J, et al, **[Potter J]**. Impact of protocolized diuresis for de-resuscitation in the intensive care unit. *Crit Care*, 2020 February 28;24(1):70-9.

Dawson T, DeCamillo D, Kong X, Shensky B, Kaatz S, Krol GD, et al, **[Ali M]**. Correcting inappropriate prescribing of direct oral anticoagulants: A population health approach. *J Am Heart Assoc*, 2020 November 17;9(22).

Haan BJ, Cadiz ML, Natavio AM. Efficacy and safety of vasopressin as first-line treatment of distributive and hemorrhagic shock states. *Ann Pharmacother*, 2020 March;54(3):213-218.

Hanni C, Petrovitch E, **Ali M**, Gibson W, Giuliano C, **Holzhausen J**, et al. Outcomes associated with apixaban vs warfarin in patients with renal dysfunction. *Blood Adv*, 2020 June 9;4(11):2366-2371.

Mertz S, Chehab F, **Koerber J**, **Hoffman J**, **Smythe MA**. Anti-inhibitor coagulant complex for hemorrhage reversal in patients taking apixaban and rivaroxaban. *Critical Care Medicine*, 2020 Jan; 48(11).

Peterson EL, Chittick PJ, **Richardson CL**. Decreasing voriconazole requirement in a patient after extracorporeal membrane oxygenation discontinuation: A case report. *Transpl Infect Dis*, 2020 December 14.

Smythe MA, Parker D, Garwood CL, Cuker A, Messe SR. Timing of initiation of oral anticoagulation after acute ischemic stroke in patients with atrial fibrillation. *Pharmacotherapy*, 2020 January;40(1): 55-71.

Warkentin TE, **Smythe MA**, **Ali MA**, Aslam N, Sheppard JI, Smith JW, et al. Serotonin-release assay-positive but platelet factor 4-dependent enzyme-immunoassay negative: HIT or not HIT? *Am J Hematol*, 2020 December 16.

Whitner JB, **Fabilli NA**, Siewart J, Akasaka K, Nelson A. Pharmacist-led provider education on inappropriate NSAID prescribing rates. *Fam Med*, 2020 Sep;52(8):592-596.

PHARMACEUTICAL SERVICES

Invited Research Presentations:

Koerber JM, Hoffman JL, *Mertz S, *Fritsch K, Chehab F, Ballbaki N, et al, [Krishnan A, Smythe MA]. Characteristics, management, and outcomes of patients receiving activated prothrombin complex concentrate for apixaban and rivaroxaban major bleeding. Thrombosis and Hemostasis Summit, 2020 of North America, Virtual Program, October 2020.

Koerber JM, Hoffman JL, *Mertz S, *Fritsch K, Ballbaki N, Chehab F, et al, [Krishnan A, Smythe MA]. Hemostatic efficacy of activated prothrombin complex concentrate for reversal of apixaban and rivaroxaban associated intracranial haemorrhage. Thrombosis and Hemostasis Summit, 2020 of North America, Virtual Program, October 2020.

Mertz S, Chehab F, **Koerber J, Hoffman J, Smythe MA.** Anti-inhibitor coagulant complex for hemorrhage reversal in patients taking apixaban and rivaroxaban. Critical Care Congress of the Society of Critical Care Medicine, Orlando FL, February 16-19, 2020.

PHYSICAL MEDICINE AND REHABILITATION

Peer Reviewed Articles:

Almahariq M, Quinn TJ, Arden JD, Roskos PT, Wilson GD, *Marples B, et al, [Dilworth JT]. Pulsed radiation therapy for the treatment of newly diagnosed glioblastoma. *Neuro Oncol*, July 13, 2020.

***Boright LE, Doherty DJ, Wilson CM, Arena SK, Ramirez C.** Development and feasibility of a prehabilitation protocol for patients diagnosed with head and neck cancer. *Cureus*, August 2020;12(8).

Burns G, Wilson CM. Rehabilitation for rhabdomyolysis associated with breast cancer treatment. *Cureus*, June 2020;12(6).

Delgado MR, Tilton A, Carranza-Del Río J, Dursun N, Bonikowski M, Aydin R, et al, **[Dabrowski E].** Efficacy and safety of abobotulinumtoxinA for upper limb spasticity in children with cerebral palsy: A randomized repeat-treatment study. *Dev Med Child Neurol*, 2020 November 18.

LaBan M. Regarding female office workers with moderate neck pain have increased anterior positioning of the cervical spine and stiffness of the upper trapezius myofascial tissues in sitting position. *PM R*, 2020 October;12(10):1060.

LaBan M. The initial appearance of neurofibromatosis "tumors" (von Recklinghausen's Disease) with the onset of pregnancy: A clinical letter. *PM R*, 2020 September 25.

Pamplona MDC, **Ysunza PA.** Speech pathology telepractice for children with cleft palate in the times of COVID-19 pandemic. *Int J Pediatr Otorhinolaryngol*, 2020 November;138:110318.

Pamplona MDC, **Ysunza PA, Telich-Tarriba J, Chávez-Serna E, Villate-Escobar P, Sterling M, et al.** Diagnosis and treatment of speech disorders in children with Moebius syndrome. *Int J Pediatr Otorhinolaryngol*, 2020 November;138:110316.

Sellers T, **Ghannam M, Asantey K, Klei J, Olive E, Roach VA.** An early introduction to surgical skills: Validating a low-cost laparoscopic skill training program purpose built for undergraduate medical education. *Am J Surg*, 2020 August 7.

Shprintzen, RJ, **Ysunza, PA.** Recording of endoscopy and videofluoroscopy of the vocal tract with sound: A disappointment. *J Audiol Otoneurol Phonia*, December 2020;2:1-3.

Smith S, Wilson CM, *Lipple C, Avromov M, Maltese J, Siwa E, et al, [*Colombo R, Seidell JW]. Managing palliative patients in inpatient rehabilitation through a short stay family training program. *Am J Hosp Palliat Med*, March 2020;37(3):172-178.

Wilson CM. Naloxone Accessibility and use by rehabilitation therapists for opioid overdoses. *Home Health Now* 2020;38(1):50-51.

PHYSICAL MEDICINE AND REHABILITATION

Peer Reviewed Articles:

Wilson CM, Stiller CH, Doherty DJ, Thompson KA, Smith A, Turczynski K. Physical therapists in integrated palliative care: A qualitative study. *Brit Med J-Support Palliat Care*, February 2020.

Wilson CM, Arena SK, Starceski R, Swanson K. Older adults' outcomes and perceptions after participating in the hop-up-pt program: A prospective descriptive survey. *Home Healthcare Now*, April 2020;38(2):86-91.

Wilson CM, Willett D, ***Kostsuga S**. Relationship between preoperative gait speed and discharge disposition after open heart surgery: An observational study. *Cardiopulm Phys Ther J*, April 2020.

Ysunza PA, Rontal, M. T & A in patients with cleft palate and/or VPI. *The Cleft Palate and Craniofacial Journal*, May 2020;57(4S):9-10.

Ysunza PA, Pamplona, MC. Speech pathology telepractice for children with cleft palate in the times of COVID-19 pandemic. *Intl J Pediatr Otorhinolaryngol*, August 2020;138:110318.

Ysunza PA, Pamplona, MC. Diagnosis and treatment of speech disorders in children with Moebius syndrome. *Intl J Pediatr Otorhinolaryngol*, August 2020;138:10316.

PHYSICAL MEDICINE AND REHABILITATION

Abstracts with Associated Research Presentations:

Christy J, **Wilson CM**, Goble D. Assessing the postural sway and fall risk of older adults before and after participation in SilverSneakers using the BTrackS Balance Test (BBT): A cohort study. Michigan Physical Therapy Association Virtual Research Day, October 2020.

Hernandez J, Munyan K, Thompson KA, **Wilson CM**, Arena SK, Media D, Noack D. Mobilizing patients of size: An interprofessional learning experience. Midwest Interprofessional Practice, Education, and Research Center Conference, Grand Rapids, MI, September 2020.

Kline JJ, Witczak CA, Cyr C, Ford HB, Rousso MM, Sorrentino M, et al, [**Chen NW, Wilson CM**]. Predictive validity of postoperative timed up and go results among knee and hip joint replacements. Michigan Physical Therapy Association Virtual Research Day, October 2020.

Mazar A, Smith R, *Gapinski R, Alvi R, Roskos PT. Lisfranc fracture in a polytrauma patient. 14th International Society of Physical Medicine and Rehabilitation World Congress; 53rd Association of Academic Physiatrists Meeting, Orlando, FL, March 2020.

Mazar A, Ashraf U, Zokary H, Kawa M. Combined subacute spinal cord degeneration with acute inflammatory demyelinating polyneuropathy. 14th International Society of Physical Medicine and Rehabilitation World Congress; 53rd Association of Academic Physiatrists Meeting, Orlando, FL, March 2020.

Nerusus L, ***Reyes A, Alzi R, Ho JK, Roskos PT**. Does olfactory functioning relate with outcome from inpatient rehabilitation in stroke patients? 14th International Society of Physical Medicine and Rehabilitation World Congress; 53rd Association of Academic Physiatrists Meeting, Orlando, FL, March 2020.

***Vasireddy M, Shah V, Smith RM, Roskos PT**. Rare co-existence of epidermoid tumor and meningioma rehabilitation management. 14th International Society of Physical Medicine and Rehabilitation World Congress; 53rd Association of Academic Physiatrists Meeting, Orlando, FL, March 2020.

Wilson CM, Stiller C, Thompson KA, Doherty DJ, Smith A, Turczynski K. The role of physical therapists practicing in nations with advanced palliative care integration. American Physical Therapy Association Combined Sections Meeting, Denver, CO, February 2020.

Ysunza PA, Manzano, C. Comparative study of acoustic analysis, electroglotographic and aerodynamic measures of tenors and sopranos. Classical and Non-Classical. 49th Annual Virtual Voice Symposium, The Voice Foundation, May 28, 2020.

Ysunza PA. MBSS or FEES or both? MSHA Summer Symposium, July 31-August 1, 2020.

Ysunza PA. Rontal, M. T & A in patients with VPI. American Cleft Palate Association (ACPA), September 29, 2020.

PHYSICAL MEDICINE AND REHABILITATION

Abstracts with Associated Research Presentations:

Zokary H, Mazar A, *Vasireddy M, Ho JK, Roskos PT, Kawa M. Pubic symphysis separation managed with comprehensive inpatient rehabilitation. 14th International Society of Physical Medicine and Rehabilitation World Congress and 53rd Association of Academic Physiatrists Meeting, Orlando, FL, March 2020.

Zokary H, *Reyes A, Mendez J, Roskos PT. Acute lumbar spine pseudogout mimics spinal osteomyelitis-discitis and epidural abscess. 14th International Society of Physical Medicine and Rehabilitation World Congress; 53rd Association of Academic Physiatrists Meeting, Orlando, FL, March 2020.

PHYSICAL MEDICINE AND REHABILITATION

Invited Research Presentations:

Ysunza A. Current concepts in diagnosis and treatment of VPI. Speak and Integrate Civil Association (H.I.A.C). Mexico City, MX, March 20, 2020.

Ysunza A. Surgical treatment of VPI. Cleft Lip and Palate Association of Mexico (A.M.L.P.H.). Monterey, MX, March 27, 2020.

Ysunza A. Current concepts in the diagnosis and treatment of velopharyngeal insufficiency (VPI). Speak and Integrate Foundation (H & I Foundation). Mexico City, MX, August 22, 2020.

Ysunza A. Speech disorders in craniofacial anomalies fisulab. Bogota, Colombia, June 24, 2020.

Ysunza A. Multiplanar videofluoroscopy for assessing velopharyngeal function during speech. I.N.R. Mexico City, MX, July 21, 2020.

Ysunza A. Occult submucous cleft palate. International Congress on Cleft Palate and Craniofacial Anomalies (LATICFA). Lima, Peru, September 25-26, 2020.

Ysunza A. Sleep apnea in craniofacial anomalies. International Congress on Cleft Palate and Craniofacial Anomalies (LATICFA). Lima, Peru, September 25-26, 2020.

Ysunza A. VPI in patients with craniofacial syndromes. International Congress on Cleft Palate and Craniofacial Anomalies (LATICFA). Lima, Peru, September 25-26, 2020.

Ysunza A. Is imaging indispensable for performing surgery for VPI? International Congress on Cleft Palate and Related Craniofacial Anomalies (AMLPHCF). Mexico City, MX, October 28-30.

Ysunza A. T&A and VPI: Friends or enemies? International Congress on Cleft Palate and Related Craniofacial Anomalies (AMLPHCF). Mexico City, MX, October 28-30.

RADIATION ONCOLOGY

Peer Reviewed Articles:

Al-Hadidi A, Lapkus M, Novotny N, Gowans L, **Chen P**, Stallion A. Wilms tumor with pleural metastasis. *Glob Pediatr Health*, 2020 August 27;7.

Almahariq M, Quinn T, Arden J, Roskos P, **Wilson G**, *Marples B, et al, [**Grills I, Chen P, Krauss D, Chinnaiyan P, Dilworth JT**]. Pulsed radiation therapy for the treatment of newly diagnosed glioblastoma. *Neuro Oncol*, 2020 July 13.

Almahariq M, Quinn T, ***Siddiqui Z, Thompson A, Jawad M, Chen P**, et al, [**Gustafson G, Dilworth J**]. Post-mastectomy radiotherapy is associated with improved overall survival in T3N0 patients who do not receive chemotherapy. *Radiother Oncol*, 2020 April;145:229-237.

Almahariq M, Maywood M, **Levitin R**, Squires B, **Jawad M, Chen P**, et al, [**Gustafson G, Dilworth JT**]. Mapping of metastatic level I axillary nodes in patients with newly diagnosed breast cancer. *Int J Radiat Oncol Biol Phys*, 2020 March 15;106(4):811-820.

Almahariq M, Chen P, Dekhne N, **Dilworth J**. ASO author reflections: Omission of axillary lymph node dissection for breast cancer patients with residual N1 nodal disease following neoadjuvant chemotherapy: Not ready for primetime? *Ann Surg Oncol*, 2020 December 27;(Suppl 3):869-870.

Almahariq M, Quinn T, ***Siddiqui Z, Jawad M, Chen P, Gustafson G**, et al, [**Dilworth JT**]. Breast conserving therapy is associated with improved overall survival compared to mastectomy in early-stage, lymph node-negative breast cancer. *Radiother Oncol*, 2020 January;142:186-194.

Arden J, Quinn T, ***Wilson T, *Hanna A**, Barker K, **Deraniyagala R**, et al, [**Wilson GD**]. Automated quantification of multiple tissue-based biomarkers in head and neck squamous cell carcinoma: Correlation with p16 status and clinical outcome of chemoradiation. *Clinical Oncology and Research* 3, 2020 February 11.

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Abstracts with Associated Research Presentations:

Almahariq M, Levitin R, Quinn T, Jawad M, Chen P, Gustafson G, Dilworth JT. Omission of an axillary lymph node dissection is associated with inferior survival in patients with residual nodal disease following neoadjuvant chemotherapy. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Almahariq M, Quinn T, Kesarwani P, *Kant S, Miller C, **Chinnaiyan P.** Inhibition of colony-stimulating factor-1 receptor enhances the efficacy of radiotherapy and reduces immune suppression in glioblastoma. 62nd Annual Meeting of the American Society for Radiation Oncology, (ASTRO), October 25-28, 2020. Virtual.

Arden J, *Badanjek R, *Hanna A, *Wilson T, Wilson GD. Correlation of prognostic biomarkers, CD44 and EGFR, with measures of cellular kinetics in p16 negative head and neck squamous cell carcinomas. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Arden J, Quinn T, *Wilson T, *Hanna A, *Baschnagel A, Wilson GD. CD44 expression is correlated with MTOR expression and p16 status in head and neck squamous cell carcinoma. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Barski M, Doberstein M, Hall S, Dudley D, **Howard K, Tyburski L,** et al, **[Drake D, Chen PY, Gustafson GS, Jawad MS, Dilworth JT, Quinn TJ].** The effect of collimator rotation on scatter contribution to organs at risk in breast cancer tangent fields. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Boike TP, Hochstedler K, Movsas B, **Stevens CW,** Kestin LL, Devisetty K, et al, **[Grills IS].** Predictors of early death or hospice in curative inoperable lung cancer patients. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Bryant JM, Hartsell WF, Tsai HK, Regine JWF, Laramore GE, Chang J, et al, **[Stevens CW].** Proton beam therapy for abdominopelvic reirradiation: Outcomes from the Proton Collaborative Group REG001-09 Trial. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

***Castillo E,** Castillo R, Vinogradskiy, Nair G, **Grills I, Guerrero TM,** et al, **[Stevens CW].** CT-derived pulmonary perfusion. American Association of Physicists in Medicine (AAPM) Annual Meeting, July 12-16, 2020. Virtual.

***Castillo E, Castillo R, Vinogradskiy Y, Nair G, Grills IS, Guerrero TM,** et al, **[Stevens CW].** Validation of robust CT-ventilation methods. American Association of Physicists in Medicine (AAPM) Annual Meeting, July 12-16, 2020. Virtual.

***Chang S, Liu G, Zhao L, Dilworth J, Jawad M, Yan D,** et al, **[Chen P, Stevens CW, Li X, *Kabolizadeh P, Ding X].** Spot-scanning Proton Arc therapy (SPArc) for left-sided breast irradiation. American Society for Radiation Oncology (ASTRO), November 2020.

RADIATION ONCOLOGY

Abstracts with Associated Research Presentations:

Culcasi R, Snyder M. Novel radiotherapy application of eulerian amplification for predicting skin erythema. American Association of Physicists in Medicine (AAPM), July 12-16, 2020.

Deraniyagala R, Zureick A, Mamalui M, Dagan R, Rutenburg M, Zhao L, et al, [Liu G, *Kabolizadeh P, Stevens CW, Li X, Ding X]. Explore the potential clinical and dosimetric advantage of using Spot-Scanning Proton Arc Therapy (SPArc) for ocular melanoma. American Association of Physicists in Medicine (AAPM), July 12-16, 2020.

Devisetty K, Griffith K, Boike TP, Moran JM, Radawski J, Nettleton JL, et al. **[Dilworth JT].** Trends in close margin status and radiation therapy boost in early stage breast cancer treated with breast conserving therapy. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020.

Ding X, Li X, Liu G, Stevens CW, Yan D, *Kabolizadeh P. Unconventional dose escalation with a merging treatment technique Spot-Scanning Proton Arc Therapy. Are we ready for such treatment paradigm? American Association of Physicists in Medicine (AAPM), July 12-16, 2020.

Forghani F, Patton T, Thomas D, Diot Q, Rusthoven C, Castillo R, et al, **[Castillo E, Grills IS, Guerrero TM].** Lung functional avoidance radiotherapy: Characterizing spatial differences between ventilation and perfusion. American Association of Physicists in Medicine (AAPM), July 12-16, 2020.

Grzywacz VP, Levitin R, Porter E, Siddiqui ZA, Thompson A, Grills IS, et al. [Chinnaiyan P, Guerrero TM] Analysis of parotid and lacrimal gland radiation dose in hippocampal-voiding whole brain radiation therapy. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Grzywacz V, Quinn T, Reitemeier P, Navin M, Hamstra D, Anderson J, et al, [Stevens CW, *Kabolizadeh P]. Third party insurance providers and initial rejection of proton therapy. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Jahshan A, Quinn T, Johnson MC, Mankuzhy N, **Almahariq M, *Barski M, et al, [Ye H, Guerrero TM, Stevens CW, Grills IS].** Dose-escalated radiation therapy with a simultaneous integrated boost with or without adjuvant immunotherapy for locally advanced non-small cell lung cancer. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Kano H, Jacobs R, Yang H, Lee C, Nabeel A, Abdelkarim K, et al, **[Almahariq M, Grills IS].** Stereotactic radiosurgery for hemorrhagic symptomatic cerebral cavernous malformations: An International multicenter study. 67th Annual Meeting of Neurological Surgeons, San Francisco, CA, October 19-23, 2020.

Kishan A, Karnes RJ, Romero T, Motterle G, Tendulkar R, Klein E, et al, **[Krauss D].** Treatment intensification and outcome in high-risk prostate cancer: A multi-institutional consortium analysis. Annual Meeting of the American Urological Association (AUA), Washington DC, May 15-18, 2020.

RADIATION ONCOLOGY

Abstracts with Associated Research Presentations:

Kishan A, Levin-Epstein R, Romero T, Wong JK, Dess R, Moran B, et al, [**Krauss D**]. Patterns of clinical progression in radiorecurrent high risk prostate cancer and impact of initial treatment selection. Meeting of the American Radium Society (ARS), Scottsdale AZ, May 16-19, 2020.

Knill C, Sandhu R, Halford R, Lin L, Seymour Z, Grills I, et al, [**Chinnaiyan P**]. Clinical implementation of a new a single-isocenter multiple-target cranial optimization algorithm. American Association of Physicists in Medicine (AAPM), July 12-16, 2020.

Levin-Epstein R, Romero T, Wong JK, Cook K, Dess RT, Spratt DE, et al, [**Krauss DJ**]. Impact of initial treatment selection on clinical outcomes after biochemical failure in radiorecurrent high-risk prostate cancer. Genitourinary Cancers Symposium of the American Society of Clinical Oncology (ASCO), San Francisco, CA, February 13-15, 2020.

Liang J, Lack D, Liu Q, Sandhu R, Benedetti L, Grills IS, et al, [**Stevens CW, Yan D**]. Assessing inter and intrafraction target motion in lung SBRT using deformable image registration. American Association of Physicists in Medicine (AAPM), July 2020.

Li X, Ding X, Zheng W, Steven CW, Yan D, *Kabolizadeh P. A novel dose averaged Linear Energy Transfer (LET) incorporated spot-scanning proton arc algorithm. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Li X, Zhao L, Liu G, Dilworth J, Jawad S, Yan D, et al, [**Chen P, Stevens CW, *Kabolizadeh P, Ding X**]. Explore the feasibility of using single-iso Spot-scanning Proton Arc Therapy (SPArc) for large breast and bilateral chestwall cancer treatment. Particle Therapy Co-Operative Group (PTCOG), September 13-14, 2020.

Liu G, Li X, Qin A, Zhou J, Zheng W, Zhang S, et al, [**Zhao L, Grills IS, Yan D, Stevens WC, *Kabolizadeh P, Ding X**]. A dose validation tool prior to proton and photon treatment in spine SRS. European Society Radiation Oncology (ESTRO), December 1, 2020.

Liu G, Li X, Chinnaiyan P, Zhao L, Yan D, Stevens C, et al, [***Kabolizadeh P, Ding X**]. Redefine the role of proton pencil beam scanning technique in the brain stereotactic radiosurgery. European Society Radiation Oncology (ESTRO), December 1, 2020.

Liu G, Li X, Zhao L, Stevens CW, Yan D, Chinnaiyan P, et al, [***Kabolizadeh P, Ding X**]. A clinical decision tool for optimal treatment delivery of brain SRS: VMAT, intensity modulated proton therapy or spot-scanning proton arc? Particle Therapy Co-Operative Group (PTCOG), September 13-14, 2020.

Liu G, Zhao L, Zheng W, Qin A, Yan D, Janssens G, et al, [**Stevens CW, Shen J, *Kabolizadeh P, Li X, Ding X**]. Develop an accurate model of spot-scanning treatment delivery time for a compact superconducting synchrocyclotron proton system. American Association of Physicists in Medicine (AAPM), July 12-16, 2020.

RADIATION ONCOLOGY

Abstracts with Associated Research Presentations:

Liu G, Li X, Zhao L, Zheng W, Qin A, Zhang S, et al, [**Stevens CW, Yan D, *Kabolizadeh P, Ding X**]. A novel energy sequence optimization algorithm for efficient spot-scanning arc (SPArc) treatment delivery. *Acta Oncologica*, May 2020.

Liu G, Li X, Qin A, Zheng W, Yan D, Zhang S, et al, [**Stevens CW, *Kabolizadeh P, Ding X**]. Improve the dosimetric outcome in bilateral head and neck cancer (HNC) treatment using Spot Scanning Proton Arc (SPArc) therapy: A feasibility study. *Radiation Oncology*, January 2020.

Maddens M, **Wilson GD**, Graham S, Yilmaz A. Low dose brain radiation reduces elevated plasma branch chain amino acid levels in APP/PS1 mice. Gerontological Society of America Annual Scientific meeting, Philadelphia, PA, November 2020.

Mankuzhy N, Jahshan A, **Quinn TJ, Almahariq MF**, Qu L, **Grills IS**. An efficient and objective method for identifying radiation-related cardiac toxicity after definitive conventional radiation for locally advanced non-small cell lung cancer. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

McFarlane M, Hochstedler K, Laucis AM, Sun Y, Chowdhury A, Matuszak MM, et al, [**Kestin LL, Grills IS**]. Predictors of pneumonitis after lung cancer radiotherapy. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Nair G, Al-Katib S, Podolsky R, Kaler R, **Castillo E**. Detection of early disease progression in idiopathic pulmonary fibrosis using quantitative lung function and pulmonary blood mass imaging. American Thoracic Society (ATS), International Conference, Philadelphia, PA, May 2020.

Parzen JS, Stevens CW, *Kabolizadeh P. Multi-institutional prospective registry of hypofractionated proton beam radiotherapy in patients with unresectable liver tumors. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Prabhu RS, Turner BE, Asher AL, Marcrom S, Fiveash JB, Foreman PM, et al, [**Grills IS, Arden J**]. Leptomeningeal disease after surgical resection and radiosurgery for brain metastases and neurologic death: A multi-institutional analysis. Annual Meeting of the American Society of Clinical Oncology (ASCO), May 29-31, 2020.

Qin A, Chen S, Liu G, Li X, Zheng W, R. Deraniyagala R, et al, [***Kabolizadeh P, Stevens C, Yan D, Ding X**]. Towards real-time proton adaptive radiotherapy: Explore the feasibility of CBCT-based dose evaluation via Generative-Adversarial-Network (GAN) for Head/Neck cancer proton treatment. Particle Therapy Co-Operative Group (PTCOG), September 13-14, 2020.

Qin A, Chen S, Liu G, Li X, Zheng W, Deraniyagala R, et al, [***Kabolizadeh P, Grills IS, Stevens CW, Yan D, Ding X**]. Towards real-time proton adaptive radiotherapy: The accuracy of utilizing CBCT and Generative-Adversarial-Network (GAN) to perform online proton treatment dose reconstruction for lung cancer patients. American Association of Physicists in Medicine (AAPM), July 12-16, 2020.

RADIATION ONCOLOGY

Abstracts with Associated Research Presentations:

Qin A, Chen S, Liu G, Li X, Zheng W, Deraniyagala R, et al, [***Kabolizadeh P, Stevens CW, Yan D, Ding X**]. The feasibility and accuracy of utilizing CBCT and Generative-Adversarial- Network (GAN) to perform proton treatment dose evaluation for lung and HNC patients. ASTRO, November 2020.

Qin A, Snyder M, Liu M, Ding X, Zheng W, Liu Q, et al, [**Chen S, Liang J, Yan D**]. A multi-phase cross-modality deformable bio-tissue phantom for deformable image registration validation. American Association of Physicists in Medicine (AAPM), July 12-16, 2020.

Quinn TJ, Kabolizadeh P. Racial disparity of stage III rectal cancer among young adults: A combined NCDB/SEER analysis. Gastrointestinal Cancers Symposium of the American Society of Clinical Oncology, San Francisco, CA, January 23-25, 2020.

Rold T, Okoye N, Devanny E, Berendzen A, Dresser T, **Quinn T**, et al. Pb-203/Pb-212 evaluation as theranostic pair for prostate cancer detection, monitoring, and treatment. SNMMI Annual Meeting, July 11-14, 2020.

Salari K, Porter E, Levitin R, Siddiqui ZA, Thompson A, Deraniyagala JRL, et al. [**Guerrero TM**]. Validation of deep-learning based auto-segmentation of the lens, optic nerves, and chiasm for stereotactic radiosurgery. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020.

Sandhu R, Knill C, Seymour Z, Grills IS, Chinnaiyan P. Dosimetric impact of distortion correction of MR Image set for cranial stereotactic radiation treatments. Annual Meeting of the American Association of Physicists in Medicine (AAPM), July 12-16, 2020.

Sebai M, **Almahariq M, Dilworth J**, Karabon P, Kalthoff R, **Kiran S**, et al, [**Dekhne N**]. National trends for intra-operative radiation therapy in favorable, early-stage breast cancer: A Propensity scoring analysis of the National Cancer Database. 21st Annual Meeting of the American Society of Breast Surgeons (ASBS), Las Vegas, NV, April 29-May 3, 2020.

Seymour ZA, Hamstra DA, Daignault-Newton S, **Thompson A**, Sanda MG, Michalski JM, et al. External validation of early Quality of Life (QOL) declines correlated with late QOL after intensity modulated, low dose rate brachytherapy, or stereotactic radiation for prostate cancer within a prospective trial. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Sponagel J, Zhang S, **Chinnaiyan P**, Rubin J, Ippolito J. Sex differences in redox state underlie glutamine dependency in male glioblastoma. 19th International Symposium on Pediatric Neuro-oncology. Karuizawa, Japan; December 13-16, 2020; Annual Scientific Meeting and Education Day of the Society for Neuro-Oncology; 25th; November 19-21, 2020. Virtual.

Squires B, Quinn T, Nandalur S, Jawad M. Adjuvant radiotherapy improves overall survival when added to surgery and chemotherapy for endometrial carcinosarcoma: A surveillance, epidemiology, and end results analysis. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

RADIATION ONCOLOGY

Abstracts with Associated Research Presentations:

Tseng YD, Mohindra P, Pankuch M, McGee LA, Rossi CJ, Flampouri S, et al, **[Stevens CW]**. Selection of mediastinal lymphoma patients for proton therapy in a prospective multi-institutional registry: Concordance with the ILROG guidelines. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Vadas J, Halford H, Yan D, Wilson G, Stevens C, Snyder M. FLASH gun-ramp characteristics and monitor chamber performance using an Elekta linear accelerator. Annual Meeting of the American Association of Physicists in Medicine (AAPM), July 12-16, 2020.

Vayntraub A, Quinn T, Deraniyagala R. Merkel cell carcinoma is associated with improved survival with use of radiation therapy and worse survival with chemotherapy: A SEER Analysis. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Wilson GD, *Martinez A, Michael D, Maddens M, *Hanna A, *Wilson T, et al, [Fontanesi G, Buelow K]. Low-dose radiation reduces amyloid-beta plaques and tau in animal models of Alzheimer's disease. 11th International Conference on Dementia and Dementia Care, Paris, France, February 2020.

Ye H, Rutka E, Robertson J. Identifying priority action for improving patient satisfaction in outpatient cancer care. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Zheng W, Li X, Vadas J, Yan D, Moore D, Les K, et al, [Stevens CW, *Kabolizadeh P, Ding X]. Override of high-density implants and validation of their dose perturbation in pencil beam scanning proton therapy. Annual Meeting of the American Association of Physicists in Medicine (AAPM), July 12-16, 2020.

RADIATION ONCOLOGY

Invited Research Presentations:

***Castillo E.** Quantitative lung function imaging – The Beaumont Experience. Medical Grand Rounds, Beaumont Health, Royal Oak, MI, October 2020.

***Castillo E.** Quantitative lung function imaging – The Beaumont Experience. Pulmonary Critical Care Grand Rounds, Spectrum Health, Grand Rapids, MI, September 2020.

***Castillo E.** Image processing-based functional imaging from dynamic computed tomography. Research Seminar, Georgia Institute of Technology, School of Computational Science and Engineering, March 2020.

***Castillo E.** Surrogates for pulmonary ventilation and perfusion derived from non-contrast CT. Emory University, Department of Radiology and Imaging Sciences, Research in Progress Seminar, March 2020.

Ding X. Proton arc therapy and dosimetry. European School for Medical Physics Experts (ESMPE) Particle Therapy edition, December 2020.

Ding X. Proton arc therapy. RaySearch North America Virtual User meeting, December 2020.

Ding X. Tips and tricks in the ProteusONE clinical operation. University of Florida Proton Therapy Institute, Jacksonville FL, 2020.

Ding X. Live webinar technology enabling proton arc therapy. European Society Radiation Oncology (ESTRO), May 2020.

Knill C, Seymour Z. Clinical experience with elements multiple brain mets SRS. Novalis Circle Virtual Webinar, November 2020.

Knill C. Brainlab elements: Initial clinical experience. Brainlab Regional Symposium, Newport Beach, CA, October 2020.

Knill C. Elements software commissioning and quality assurance. Brainlab Regional Symposium, Newport Beach, CA, October 2020.

Knill C. Commissioning and clinical experience of Brainlab's multiple brain mets SRS element on the versa HD. Quality Assurance & Dosimetry Symposium (QADS), Orlando, FL, February 2020.

Liu M, **Lack D, Nandalur S, Xhaferllari I, To D, Yan D.** Evaluating the feasibility of MRI-based adaptive strategies for cervical cancer SBRT. Joint AAPM/COMP Virtual Meeting, July 2020.

Parzen J, Stevens C, *Kabolizadeh P, and the Proton Collaborative Group (PCG). Multi-institutional prospective registry of hypofractionated proton beam radiotherapy in patients with unresectable liver tumors. American Society for Radiation Oncology (ASTRO) Annual Meeting, October 25-28, 2020. Virtual.

RADIATION ONCOLOGY

Invited Research Presentations:

Stromberg J. Integration of prehab, rehab, and prospective surveillance into interdisciplinary team. 37th Annual Association of Community Cancer Centers (ACCC) meeting, September 2020.

Wilson G. Education panel: Expanding the indications for radiation therapy radiotherapy for prevention of Alzheimer's disease. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 2020. Virtual.

Wilson G. Scientific panel: Exosomes and exosomal MicroRNAs in radiation therapy: Novel assays for treatment. Liquid biomarkers: Establishing a standardized clinical process. 62nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), October 25-28, 2020. Virtual.

Wilson G. Advancements in translational radiation research: Outcomes and opportunities for future investigations. Xstrahl Research Webinar, Virtual webinar, November 11, 2020.

Yan D. FDG-PET/CT imaging feedback, tumor voxel dose response assessment and treatment dose adaption. Scientific symposium on quantitative imaging for treatment assessment. American Association of Physicists in Medicine (AAPM/COMP), July 2020.

Yan D. Adaptive treatment process with tumor metabolic imaging feedback. Department of Radiation Physics, MD Anderson Cancer Center, August 2020.

RESEARCH ADMINISTRATION

Peer Reviewed Articles:

Berkowitz BA, Olds HK, Richards C, Joy J, Rosales T, **Podolsky RH**, et al, [**Childers KL**]. Novel imaging biomarkers for mapping the impact of mild mitochondrial uncoupling in the outer retina in vivo. PLoS One, 2020 January 10;15(1).

Berkowitz BA, **Podolsky RH**, **Lins Childers KL**, Roche SL, Cotter TG, Graffice E, et al. Rod photoreceptor neuroprotection in dark-reared Pde6brd10 mice. Investigative Ophthalmology & Visual Science, 2020 November 61:4.

Berkowitz BA, **Podolsky RH**, **Lins Childers KL**, Gow A, Schneider BL, Lloyd SC, et al. Age-related murine hippocampal CA1 laminae oxidative stress measured in vivo by QUEnch-assiSTed (QUEST) MRI: Impact of isoflurane anesthesia. GeroScience, 2020 April;42:563-574.

Bahl A, Hijazi M, **Chen NW**, Lachapelle-Clavette L, Price J. Ultra long versus standard long peripheral intravenous catheters: A randomized controlled trial of ultrasound guided catheter survival. Ann Emerg Med, 2020 August;76(2):134-142.

Bahl A, Van Baalen MN, Ortiz L, **Chen NW**, Todd C, Milad M, et al. Early predictors of in-hospital mortality in patients with COVID-19 in a large American cohort. Intern Emerg Med, 2020 November;15(8):1485-1499.

Cami E, Tagami T, Raff G, Gallagher MJ, Fan A, Hafeez A, et al, [**George J**]. Importance of measurement site on assessment of lesion-specific ischemia and diagnostic performance by coronary computed tomography angiography-derived fractional flow reserve. J Cardiovasc Comput Tomogr, 2020 August.

Kache S, Patel S, **Chen NW**, Qu L, Bahl A. Doomed peripheral intravenous catheters: Bad outcomes are similar for emergency department and inpatient placed catheters: A retrospective medical record review. J Vasc Access, 2020 November.

Kolderman NC, Cheti DR, Hasbrook CD, Forsyth AJ, **Coffey MP**, Nair GB, et al. Pneumothorax rate and diagnostic adequacy of computed tomography-guided lung nodule biopsies performed with 18 G Versus 20 G needles: A cross-sectional study. J Thorac Imaging, July 2020;35(4):265-269.

Maloy JD, **Chen NW**, Qu L, Merwine SJ, Ziadeh J, Berger DA. Opioid ordering habits in the acute emergency department visit: Before and after implementation of departmental prescribing guidelines. J Am Coll Emerg Physicians Open, 2020 November;1(6):1472-1479.

Maisels MJ, Kring EA, ***Coffey MP**. Heme catabolism and bilirubin production in readmitted jaundiced newborns. J Pediatr, 2020 June 9.

Nair GB, Galban CJ, Al-Katib S, **Podolsky RH**, van den Berge M, Stevens C, et al. An assessment of the correlation between robust CT-derived ventilation and pulmonary function test in a cohort with no respiratory symptoms. Br J Radiol, 2020 Dec 15.

RESEARCH ADMINISTRATION

Peer Reviewed Articles:

Pakray A, Walker D, Figacz A, Kilanowski S, Rhodes C, Doshi S, et al, [***Coffey MP**]. Imaging evaluation of COVID-19 in the emergency department. Emerg Radiol, December 2020; 27(6): 579-588.

Said A, Keeney S, Matka M, Hafeez A, **George J**, Halalau A. Concomitant use of direct oral anticoagulants and aspirin versus direct oral anticoagulants alone in atrial fibrillation and flutter: A retrospective cohort. BMC Cardiovasc Disord, 2020 June;20:263.

Sims MS, Maine GN, **Lins-Childers KL**, **Podolsky RH**, **Voss DV**, et al. COVID-19 seropositivity and asymptomatic rates in healthcare workers are associated with job function and masking. Clinical Infectious Diseases, 2020 November.

RESEARCH ADMINISTRATION

Abstracts with Associated Research Presentations:

Easton R, **Chen NW**, Lipphardt M, Silvasi T, Pestano C. Compared to golden standard bone SPECT/CT showed superior accuracy in detecting pseudarthrosis. North American Spine Society Annual Meeting, San Diego, CA, October 2020.

Talia N, Berger D, **Chen NW**, Purekar M, Qu L, Swor R, Otero R. Lactate expression category and mortality in emergency department patients with severe sepsis and septic shock. Resuscitation Science Symposium, Dallas, TX, November 2020.

Epley CT, Purekar M, **Chen NW**, Sawyer KN, Burla M, Berger D. Change in resuscitation-specific confidence and anxiety levels in residents from a novel rotation. Council of Residency Directors in Emergency Medicine, New York, NY, 2020.

Wloszczynski P, Berger D, Lee D, **Chen NW**, Burla M. Impact of resuscitation resident on duration from return of spontaneous circulation to target temperature. Society for Academic Emergency Medicine Annual Meeting, Denver, CO, April 2020.

Mohammad I, **George J**. Evaluation of the impact of pharmacist-led diabetes mellitus (DM) management on hemoglobin A1c (HgbA1c) values in a primary care clinic. ACCP Annual Meeting, November 2020. Virtual.

SUB-SPECIALTY DIVISIONS OF SURGICAL SERVICES

BREAST CARE CENTER

Peer Reviewed Articles:

Almahariq MF, Chen PY, **Dekhne N**, Dilworth JT. ASO author reflections: Omission of axillary lymph node dissection for breast cancer patients with residual N1 nodal disease following neoadjuvant chemotherapy: Not ready for primetime? *Annals of Surgical Oncology*, December 2020;27(Suppl 3):869-870.

Ferrer J, Carr D, Blumencranz P, Dodge D, **Dekhne N**, Wapnir I, et al. Results from the expansion into multiple institutions for training in the use of the LUM imaging system for intraoperative detection of residual cancer in the tumor bed of female subjects with breast cancer clinical trial. *Cancer Research*, 2020 February;80(4S).

Kaufman CS, Cross MJ, Barone JL, **Dekhne NS**, Devisetty K, Dilworth JT, et al. A three-dimensional bioabsorbable tissue marker for volume replacement and radiation planning: A multicenter study of surgical and patient-reported outcomes for 818 patients with breast cancer. *Ann Surg Oncol*, 2020 November 21.

Kumar M, Sebai ME, Appleford C, **Dekhne N**. Myxoma in the axilla of a patient with a history of inflammatory breast cancer. *Breast Journal*, July 2020;26(7):1400-1401.

Sebai M, Karabon PE, Luan T, Sayee K, **Dekhne N**. Gender differences and survival outcomes in breast cancer patients: Stage stratified propensity scoring analysis of the National Cancer Database. *Annals of Surgical Oncology*, 2020 February 27(Suppl 1,1 SI):S145-S146.

Sebai M, Almahariq M, Dilworth J, Karabon P, Kalthoff R, Kiran S, et al. [**Dekhne N**] National trends for intra-operative radiation therapy in favorable, early-stage breast cancer: A Propensity scoring analysis of the National Cancer Database. *Annals of Surgical Oncology*, 2020 May 27(Suppl 2,2 SI):S514.

Sebai M, Karabon P, Lee D, Sayee K, **Dekhne N**. Trends, survival outcomes, and predictors of non-adherence to mastectomy guidelines for non-metastatic inflammatory breast cancer: Stage-stratified propensity scoring analysis of NCDB. *Annals of Surgical Oncology*, 2020 May 27(Suppl 2,2 SI):S633-S634.

Sebai M, Karabon P, Luan T, Sayee K, **Dekhne N**. Gender differences and survival outcomes in breast cancer patients: Stage-stratified propensity scoring analysis of NCDB. *Annals of Surgical Oncology*, 2020 May 27(Suppl 2,2 SI):S397-S398.

Sebai M, Karabon P, Quach D, Busuito C, Busuito M, **Dekhne N**. National trends and survival outcomes of performing immediate breast reconstruction for male breast cancer patients: Propensity scoring analysis. *Annals of Surgical Oncology*, 2020 May, 27(Suppl 2,2 SI).

Sebai M, Karabon P, Quach D, Sayee K, **Dekhne N**. Contralateral prophylactic mastectomy trends and outcomes for non-metastatic inflammatory breast cancer: Stage-stratified propensity scoring analysis of NCDB. *Annals of Surgical Oncology*, 2020 May 27(Suppl 2,2 SI):S330.

BREAST CARE CENTER

Peer Reviewed Articles:

Smith K, Ferrer J, Carr D, Blumencranz P, Dodge D, **Dekhne N**, et al, [**Gold L**]. Expansion into multiple institutions for training in the use of the LUM Imaging System for intraoperative detection of residual cancer in the tumor bed of female subjects with breast cancer. Cancer Research, 2020 Feb;80(4S).

BREAST CARE CENTER

Abstracts Associated with Research Presentations:

Fenton A, Dupont E, Tsangaris T, Garcia-Cantu C, Howard-McNatt M, Chiba A, et al, **[Brown E]**. Does breast cancer subtype impact margin status in patients undergoing partial mastectomy? San Antonio Breast Cancer Symposium, San Antonio, TX, December 8-11, 2020.

Ferrer J, Carr D, Blumencranz P, Dodge D, **Dekhne N**, Wapnir I, et al. Results from the expansion into multiple institutions for training in the use of the LUM imaging system for intraoperative detection of residual cancer in the tumor bed of female subjects with breast cancer clinical trial. San Antonio Breast Cancer Symposium, San Antonio, TX, December 8-11, 2020.

Sebai M, **Abdu RW, Dekhne N**. Trends and survival outcomes of performing immediate breast reconstruction for non-metastatic inflammatory breast cancer: stage stratified propensity scoring analysis of NCDB. American Society of Plastic Surgery, Plastic Surgery: The Meeting, San Francisco, CA, October 16-19, 2020,

Sebai M, Karabon PE, Luan T, Sayee K, **Dekhne N**. Gender differences and survival outcomes in breast cancer patients: Stage stratified propensity scoring analysis of the National Cancer Database. Society of Surgical Oncology (SSO) International Conference on Surgical Cancer Care: Boston, MA, March 25-28, 2020; 21st Annual Meeting of the American Society of Breast Surgeons (ASBS), Las Vegas, NV; April 29-May 3, 2020.

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Sebai M, Karabon P, Lee D, Sayee K, **Dekhne N**. Trends, survival outcomes, and predictors of non-adherence to mastectomy guidelines for non-metastatic inflammatory breast cancer: Stage-stratified propensity scoring analysis of NCDB. 21st Annual Meeting of the American Society of Breast Surgeons (ASBS), Las Vegas, NV; April 29-May 3, 2020.

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Abstracts Associated with Research Presentations:

Smith K, Ferrer J, Carr D, Blumencranz P, Dodge D, **Dekhne N**, et al. Abstract OT3-06-02: Expansion into multiple institutions for training in the use of the LUM Imaging System for intraoperative detection of residual cancer in the tumor bed of female subjects with breast cancer. San Antonio Breast Cancer Symposium, San Antonio, TX, December 8-11, 2020.

FEMALE PELVIC RECONSTRUCTIVE SURGERY

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Vollstedt AJ, Han E, Nguyen L, Tennyson L, Beck D, Sirls L. Placement of mid-urethral mesh slings at the time of vaginal prolapse repair does not affect post-operative sexual function or orgasm. *Int Urogynecol J*, 2020 August 11.

GENERAL SURGERY

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Deatanyah P, Amoako JK, Amoatey E, **Osei S**, Azah CK, Dogbey R, et al. Assessment of radiofrequency radiation within the vicinity of some GSM base stations in Ghana: A follow-up. *Radiation Protection Dosimetry*, 2020 December 30;192(4):413-420.

DeMare AM, Luehmann NC, Kawak S, Long J, Akay B, Brahmamdam P, Iacco AA, Novotny NM. Cost-Effective approach to the laparoscopic appendectomy: Balancing disposable instrument cost with operative time. *The American Surgeon*, June 2020;86(6):715-720.

***Douglas JK, Callahan RE, *Hothem ZA, Cousineau CS, Kawak S, Thibodeau BJ, et al, [Bergeron S, Peoples CE, Wasvary HJ].** Genomic variation as a marker of response to neoadjuvant therapy in locally advanced rectal cancer. *Molecular & Cellular Oncology*, March 2020;7(3):1716618.

GENERAL SURGERY

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Edhi AI, Hakim S, Shams C, **Bedi D**, Amin M, Cappell MS. Clarithromycin-associated acute liver failure leading to fatal, massive upper gastrointestinal hemorrhage from profound coagulopathy: Case report and systematic literature review. *Case Reports Hepatol*, 2020 February 18;2020.

Edwards CT, Alslaim HS, Alebbini MM, Evbuomwan MO, Chan JC, Hamouri S, et al. **[Novotny NM]**. Contrasting esophageal coin removal in countries with different sized coins in circulation. *Int J Pediatr Otorhinolaryngol*, 2020 February;129.

Hawasli A, Foster R, **Lew D**, Peck L. Laparoscopic Ligamentum Teres cardiopexy to the rescue; An old procedure with a new use in managing reflux after sleeve gastrectomy. *Am J Surg* 2020, December 25.

Howard-McNatt M, Dupont E, Tsangaris T, Garcia-Cantu C, Chiba A, Berger AC, et al, **[Brown EA]**. Impact of cavity shave margins on margin status in patients with pure ductal carcinoma in situ. *J Am Coll Surg*, 2020 December 18.

John SC, **Mohammed A**, Church JT, John AV, Perkins EM, McLeod JS, et al. Bubble bilevel ventilation facilitates gas exchange in anesthetized rabbits. *Pediatr Res*, 2020 May 1:1-6.

Kawak S, Wasvary JF, Ziegler MA. Opioid requirements in laparoscopic colectomies: Does enhanced recovery after surgery protocols make a difference? *The American Surgeon*, December 9, 2020.

Kumar M, Sebai ME, Appleford C, Dekhne N. Myxoma in the axilla of a patient with a history of inflammatory breast cancer. *Breast J* 2020 July;26(7):1400-1401.

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Serena TJ, Antypas E, Malay N, **Laveroni E Jr**. Endovascular intervention of a mycotic pseudoaneurysm of accessory left hepatic artery arising from the left gastric artery presenting secondary to clostridium difficile colitis: A case report. *Cureus*, April 23, 2020;12(4).

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Taye A, Inabnet WB,3rd, Pan S, Carty SE, Cotton T, **Czako P**, et al. Post-thyroidectomy emergency room visits and readmissions: Assessment from the Collaborative Endocrine Surgery Quality Improvement Program (CESQIP). Am J Surg, 2020 October;220(4):813-820.

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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? The American Surgeon, December 2020.

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Al-Hadidi A, Lapkus M, Karabon P, Naseem A, Akay B, Khandhar P. Success of respiratory rescue therapy in preventing reintubation in a pediatric intensive care unit. 49th Critical Care Congress of the Society of Critical Care Medicine; Orlando FL, February 16-19, 2020.

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NEUROSURGERY

Peer-Reviewed Articles:

Chesnut R, Aguilera S, Buki A, Bulger E, Citerio G, Cooper DJ, et al, **[Michael DB]**. A management algorithm for adult patients with both brain oxygen and intracranial pressure monitoring: The Seattle International Severe Traumatic Brain Injury Consensus Conference (SIBICC). *Intensive Care Med*, 2020 May;46(5):919-929.

Goldman JJ, **Huynh KA, Elfallal W**, Chaiyasate K, **Fahim DK**. Cervical spine and craniocervical junction reconstruction with a vascularized fibula free flap: A case report. *World Neurosurg*, 2020 August 11.

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Schafer E, Bazydlo M, Schultz L, Park P, Chang V, **Easton RW**, et al. Rates and risk factors associated with 90-day readmission following cervical spine fusion surgery: Analysis of the Michigan Spine Surgery Improvement Collaborative (MSSIC) registry. *Spine J*, 2020 May;20(5):708-716.

Thomas AM, Fahim DK, Gemechu JM. Anatomical variations of the recurrent laryngeal nerve and implications for injury prevention during surgical procedures of the neck. *Diagnostics (Basel)*, 2020 September 4;10(9):10.3390.

Zakaria HM, Mansour TR, Telemi E, Asmaro K, Bazydlo M, Schultz L, et al, **[Khalil JG, Easton R]**. The association of preoperative opioid usage with patient-reported outcomes, adverse events, and return to work after lumbar fusion: Analysis from the Michigan Spine Surgery Improvement Collaborative (MSSIC). *Neurosurgery*, 2020 July 1;87(1):142-149.

ORAL AND MAXILLOFACIAL SURGERY

Peer-Reviewed Articles:

Spolyar JL. Nasoalveolar Molding (NAM), Latham treatment, or other: Controlling the narrative. Cleft Palate Craniofac J, 2020 May;57(5):661-663.

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Allen MA, Lucas JP, Chung M, Rayess HM, **Zuliani G**. Nasal analysis of classic animated movie villains versus hero counterparts. *Facial Plast Surg*, 2020 September 17.

Allen M, Spillinger A, Arianpour K, Johnson J, Johnson AP, **Folbe AJ**, et al. Tracheal resection in the management of thyroid cancer: An evidence-based approach. *Laryngoscope*, 2020 September 28.

Barbat A, Partiali B, Oska S, Folbe A. Head, face, and neck fractures secondary to ladder-related injuries treated in United States emergency departments in 2009-2018. *J Emerg Med*, 2020 June 16.

Barbat A, Oska S, Partiali B, Folbe A, Jacob J. Gender and ethnic diversity in diagnostic and interventional radiology trainees, 2014-2019: Has the recently introduced integrated interventional radiology program changed anything? *Acad Radiol* 2020 August 19.

Bojrab DI,2nd, Fritz CG, Lin KF, Schutt CA, Hong RS, Babu SC, et al, [**Bojrab DJ**]. Fundal fluid cap is associated with hearing preservation in the radiosurgical treatment of vestibular schwannoma. *Otol Neurotol*, 2020 October 12.

Conway RM, White GZ, **Thottam PJ**. The burden of laryngomalacia and its effects on caregivers: A support group survey evaluation. *Int J Pediatr Otorhinolaryngol*, 2020 November;138:110368.

Cowan B, Oska S, Arianpour K, Svider PF, **Bojrab D,2nd, Hong RS**. A systematic review of cochlear implantation in temporal bone fractures and the significance of otic capsule involvement. *Otol Neurotol*, 2020 December ;41(10):1309-1315.

Feinberg DL, Rosner MS, **Rosner AJ**. Validation of the binocular vision dysfunction questionnaire (BVDQ). *Otol Neurotol*, 2020 October 22.

Fritz CG, Bojrab DI,2nd, Lin KF, Schutt CA, Babu SC, Hong RS. Surgical explantation of bone-anchored hearing devices: A 10-year single institution review. *Otolaryngol Head Neck Surg*, 2020 January;162(1):95-101.

Howard A, Babu S, **Hauptert M, Thottam PJ**. Balloon eustachian tuboplasty in pediatric patients: Is it safe? *Laryngoscope*, 2020 November 5.

Johnson J, Stathakios J, Chung MT, Engel R, **Folbe A**. Factors important in the selection of a rhinology/skull base surgery fellow: A national survey of fellowship directors. *Am J Rhinol Allergy*, 2020 August10.

Lucas JP, **Allen M**, Nguyen BK, Svider PF, **Folbe AJ**, Carron M. Orbital roof fractures: An evidence-based approach. *Facial Plast Surg Aesthet Med*, 2020;22(6):471-480.

Nguyen BK, Svider PF, Hsueh WD, **Folbe AJ**. Perioperative analgesia for sinus and skull-base surgery. *Otolaryngol Clin North Am*, 2020 October;53(5):789-802.

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Spillinger A, Park K, Shenouda K, Folbe AJ. Endoscopic management of postradiation skull base osteoradionecrosis. *Int Forum Allergy Rhinol*, 2020 November 1.

Svider PF, Setzen M, Ow R, **Folbe AJ**, Eloy JA, Johnson AP. Incorporation of telemedicine by rhinologists: The COVID-19 pandemic and beyond. *Am J Otolaryngol*, 2020;41(6):102567.

Tejeda-Franco CD, Valadez-Jimenez VM, Hernandez-Lopez X, **Ysunza PA**, Mena-Ramirez ME, Garcia-Zalapa RA, et al. Hearing aid use and auditory verbal therapy improve voice quality of deaf children. *J Voice*, 2020 March;34(2):301.

PEDIATRIC SURGERY

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Al-Hadidi A, Alslaim H, Ghawanmeh M, Alfarajat F, Habra H, **Brahmamdham P**, et al, **[Novotny N]**. Short-term surgical trips: Local collaboration and its effects on complications and patient satisfaction. *Pediatric Surgery International*, August 2020;36(8):977-981.

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Berry C, Khabele D, Johnson-Mann C, Henry-Tillman R, Joseph KA, Turner P, et al, **[Stallion A]**. A call to action: Black/African American women surgeon scientists, where are they? *Ann Surg*, 2020 July;272(1):24-29.

***Edwards CT**, Alslaim HS, Alebbini MM, Evbuomwan MO, Chan JC, Hamouri S, et al, **[Novotny NM]**. Contrasting esophageal coin removal in countries with different sized coins in circulation. *International Journal of Pediatric Otorhinolaryngology*, February 2020;129:109775.

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Luehmann NC, Pastewski JM, Cirino JA, Al-Hadidi A, DeMare AM, et al, **[Novotny NM, Akay B]**. Implementation of a pediatric trauma cervical spine clearance pathway. *Pediatric Surgery International*, January 2020;36(1):93-101.

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Abstract with Associated Research Presentations:

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Lapkus M, Al-Hadidi A, Karabon P, Naseem A, Khandhar P, **Akay B**. Impact of reintubation and use of respiratory rescue therapy in the pediatric intensive care unit. 49th Critical Care Congress of the Society of Critical Care Medicine, Orlando, FL, February 16-19, 2020.

Lapkus M, Al-Hadidi A, Khandhar, Akay B. PICU high flow nasal cannula and extubation, effect of rescue therapy on mortality and LOS. 49th Critical Care Congress of the Society of Critical Care Medicine, Orlando, FL, February 16-19, 2020.

Book Chapter or Full Publications:

Legbo JN, Ameh EA, **Novotny NM**. Necrotizing fasciitis. Pediatric surgery: A comprehensive textbook for Africa. Cham:Springer; 2020;219-228.

PLASTIC and RECONSTRUCTIVE SURGERY

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Chaiyasate K, Oliver LN, Kreitzberg SA, Lyons M, Goldman J, Lu SM, et al, [Bastiaans T, Lumley C, Sachanandani NS]. Use of pericranial flaps with dermal substitute for scalp reconstruction: A case series. *Plastic and Reconstructive Surgery Global Open*, August 2020;8(8).

Gasteratos K, Spyropoulou GA, **Chaiyasate K.** Microvascular reconstruction of complex nasal defects: Case reports and review of the literature. *Plastic and Reconstructive Surgery Global Open*, July 23, 2020.

Goldman JJ, **Huynh KA**, Elfallal W, **Chaiyasate K**, Fahim DK. Cervical spine and craniocervical junction reconstruction with a vascularized fibula free flap. *World Neurosurgery*, December 2020;144:34-38.

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Kehrer A, **Sachanadani NS**, da Silva NPB, Lonic D, Heidekrueger P, Taeger CD, et al. Step-by-step guide to ultrasound-based design of alt flaps by the microsurgeon - Basic and advanced applications and device settings. *J Plast Reconstr Aesthet Surg*, 2020 June;73(6):1081-1090.

Oska SR, **Chaiyasate K, Lu SM.** Fore! A 10-year analysis of golf-related facial fractures. *Global Open*, October 2020.

Tom A, Powers JM, Chaiyasate K. Safe and efficient removal of massive head and neck vascular malformations using vessel sealing energy devices. *Journal of Craniofacial Surgery*, December 2020.

Youn A. Commentary on: Predicting public interest in nonsurgical cosmetic procedures using google trends. *Aesthet Surg J*, 2020 January 10.

PLASTIC and RECONSTRUCTIVE SURGERY

Invited Research Presentations:

Chaiyasate K. 2019 Best Save Award. 2020 Annual Scientific meeting, The American Society for Reconstructive Microsurgery (ASRM), Ft. Lauderdale, FL, January 2020.

Chaiyasate K. Utilization of microsurgery in craniofacial and skull base surgery. Virtual Global Conference- International Microsurgery Club, Bloomfield Hills, MI, August 2020.

Chaiyasate K. Craniofacial Microsurgery. Virtual Conference, University of Washington and University of California-Irvine, and Michigan, March 2020.

Chaiyasate K. Microsurgical application in Craniofacial Reconstruction and Skull base surgery. Virtual Conference, Stanford, USC, Michigan, April 2020.

THORACIC SURGERY

Peer Reviewed Articles:

Clark JM, Kozower BD, Kosinski AS, Chang A, Broderick SR, David EA, et al, **[Welsh RJ]**. Variability in smoking status for lobectomy among Society of Thoracic Surgeons database participants. Annals of Thoracic Surgery, October 1, 2020.

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, 2020 December 21.

TRAUMA SURGERY

Peer-Reviewed Articles:

Jakubus JL, **Di Pasquo SL**, Mikhail JN, Cain-Nielsen AH, Jenkins PC, Hemmila MR. Pull back the curtain: External data validation is an essential element of quality improvement benchmark reporting. J Trauma Acute Care Surg, 2020 July;89(1):199-207.

VASCULAR SURGERY

Peer Reviewed Articles:

***Dombrowski D, Long GW, Chan J, Brown OW.** Screening chest computed tomography is indicated in all patients with abdominal aortic aneurysm. *Annals of Vascular Surgery*, May 2020; 65:190-195.

***Eden CL, Long GW, Major M, Studzinski DM, Brown OW.** Type II endoleak with an enlarging aortic sac after endovascular aneurysm repair predisposes to the development of a type IA endoleak. *Journal of Vascular Surgery*, October 2020;72:1354-9.

Masuda E, Ozsvath K, Vossler J, Woo K, Kistner R, Lurie F, et al, [**Brown OW**]. The 2020 appropriate use criteria for chronic lower extremity venous disease of the American Venous Forum, the Society for Vascular Surgery, the American Vein and Lymphatic Society, and the Society of Interventional Radiology. *Journal of Vascular Surgery, Venous and Lymphatic Disorders*, July 2020;8(4):505-525.

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Osei SK, Long GW, Derias N, Sharrek A, Goodson R, Callahan RE, et al, [Studzinski DM, Brown OW]. Risk of venous thromboembolism is not increased in patients with sickle cell disease undergoing non-cardiovascular surgery. *Midwest Vascular Society*, September 10-12, 2020.

UROLOGY

Peer-Reviewed Articles:

Armas-Phan M, Keihani S, Agochukwu-Mmonu N, Cohen AJ, Rogers DM, Wang SS, et al, **[Burks FN]**. Clinical and radiographic factors associated with failed renal angioembolization: Results from the Multi-institutional Genitourinary Trauma Study (Mi-GUTS). *Urology*, 2020 October 28.

Anderson RE, Keihani S, Moses RA, Nocera AP, Selph JP, Castillejo Becerra CM, et al, **[Burks FN]**. Current management of extraperitoneal bladder injuries: Results from the Multi-institutional Genito-Urinary Trauma Study (MiGUTS). *J Urol*, September 2020;204(3):538-544.

Bartolone SN, Ward EP, Wang Z, Zwaans BMM, Chancellor MB, Bjorling DE, et al, **[*Lamb LE]**. Micturition defects and altered bladder function in the klotho mutant mouse model of aging. *Am J Clin Exp Urol*, June 2020;8(3):81-92.

Benson K, McCrery R, Taylor C, Padron O, Blok B, de Wachter S, et al, **[Peters KM.]** One-year outcomes of the ARTISAN-SNM study with the Axonics system for the treatment of urinary urgency incontinence. *Neurourol Urodyn*, June 2020;39(5):1482-1488.

Chancellor MB, Bartolone SN, *Lamb LE, Ward E, Zwaans BMM, Diokno A. Underactive bladder; Review of progress and impact from the international CURE-UAB initiative. *Int Neurourol J*, March 2020;24(1):3-11.

Chancellor MB, Smith CP. Use of Botulinum toxin in the genitourinary system. *Handb Exp Pharmacol*, 2020 June20.

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Crawford ED, Twardowski PW, Concepcion RS, **Hafron JM**, Harris RG, Moul JW, et al. The impact of late LHRH agonist dosing on testosterone suppression in prostate cancer patients: An analysis of US Clinical Data. *J Urol*. 2020 April;203(4):743-750.

Dhar N, Dhar S, Timar R, Lucas S, ***Lamb LE, Chancellor MB.** De novo urinary symptoms associated with COVID-19: COVID-19-associated cystitis. *J Clin Med Res*, October 2020; 12(10):681-682.

Diokno AC, Devries JM. The impact of COVID-19 on urologic practice, medical education, and training. *Int Urol Nephrol*, July 2020;52(7):1195-1198.

Dokter J, Tennyson LE, Nguyen L, **Han E, Sirls LT.** The clinical rate of antibiotic change following empiric treatment for suspected urinary tract infections. *Int Urol Nephrol*, 2020 March;52(3):431-436.

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Peer-Reviewed Articles:

Ginsburg KB, Schwabe JR, Cochrane JA, **Tapper A, Burks F**, Rambhatla A. Low serum albumin correlates with adverse events following surgery for male urinary incontinence: Analysis of the American College of Surgeons National Surgical Quality Improvement Project. *Urology*, March 2020;137:178-182.

Haider MA, **Burks FN**, Cassell A, Jalloh M. The role of organizations like IVUmed in developing centers of excellence. *Curr Bladder Dysfunct Rep*, 2020;15:352-361.

Hiller SC, Qi J, Leavitt D, **Frontera JR, Jafri SM**, Hollingsworth JM, et al. Ureteroscopy in patients taking anticoagulant or antiplatelet therapy: Practice patterns and outcomes in a surgical collaborative. *J Urol*, 2020 October 9.

Keihani S, Rogers DM, Putbresi BE, Anderson RE, Stoddard GJ, Nirula R, et al, **[Burks FN]**. In conjunction with the Trauma and Urologic Reconstruction Network of Surgeons. The American Association for the Surgery of Trauma renal injury grading scale: Implications of the 2018 revisions for injury reclassification and predicting bleeding interventions. *J Trauma Acute Care Surg*, March 2020;88(3):357-365.

***Lamb LE**, Dhar N, Timar R, Wills M, Dhar S, **Chancellor MB**. COVID-19 inflammation results in urine cytokine elevation and causes COVID-19 associated cystitis (CAC). *Med Hypotheses*, December 2020;145:110375.

***Lamb LE, Bartolone SN, Chancellor MB**. Detection of zika virus using reverse transcription-loop-mediated isothermal amplification (RT-LAMP). *Methods Mol Biol*, 2020;2142:137-146.

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Lane GI, Smith AL, Stambakio H, Lin G, Al Hussein Alawamih O, Anger JT, et al, **[Padmanabhan P, Vollstedt A]**. Treatment of urethral stricture disease in women: A multi-institutional collaborative project from the SUFU research network. *Neurourol Urodyn*, November 2020;39(8):2433-2441.

Martin S, ***Han E, Peters KM**. A novel approach to managing post retropubic vaginal sling pain. *Urology*, 2020 March;137:196-199.

Martusiewicz A, Khan AZ, Chamberlain AM, Keener JD, Aleem AW. Outpatient narcotic consumption following total shoulder arthroplasty. *JSES Int*, 2020 January 16;4(1):100-104.

UROLOGY

Peer-Reviewed Articles:

McCrery R, Lane F, Benson K, Taylor C, Padron O, Blok B, et al, **[Peters KM]**. Treatment of urinary urgency incontinence using a rechargeable SNM system: 6-month results of the ARTISAN-SNM Study. *J Urol*, 2020 January;203(1):185-192.

McKay RR, **Hafron JM**, Ferro C, Wilfehrt HM, Fitch K, Flanders SC, et al. A retrospective observational analysis of overall survival with sipuleucel-T in Medicare beneficiaries Treated for advanced prostate cancer. *Adv Ther*, December 2020;37(12):4910-4929.

Mitsui Y, Sadahira T, Watanabe T, Araki M, Maruyama Y, Sato R, et al, **[Chancellor MB]**. Correlation between lumbar skeletal muscle size and urinary incontinence after radical prostatectomy. *Low Urin Tract Symptoms*, September 2020;12(3):245-252.

Nair SM, Hatiboglu G, **Relle J**, Hetou K, **Hafron J**, Harle C, et al. MRI-guided transurethral ultrasound ablation in patients with localized prostate cancer: Three-year outcomes of a prospective phase I study. *BJU Int*, October 2020.

Peabody H, Patel A, Johnson A, Mirza M, Noyes SL, Schervish E, et al, **[Kaul S]**. Development of a novel scoring system quantifies opportunities to reduce surgery for benign renal neoplasms: A retrospective quality improvement analysis within the MUSIC-KIDNEY Collaborative. *J Urol*, 2020 Dec;204(6):1160-1165.

Peyronnet B, Greenwell T, Gray G, Khavari R, Thiruchelvam N, Capon G, et al, **[Gilleran J]**. Current use of the artificial urinary sphincter in adult females. *Curr Urol Rep*, October 2020;21(12):53.

Shah PK, Linsell S, Qi J, **Hafron J**, Sarle R, Lane B, et al. Limiting opioid over-prescription after prostatectomy: How payer-provider collaboration can lead to improved patient safety and reimbursement. *NEJM Catalyst*, May 2020;1(3).

Shore ND, Antonarakis ES, Cookson MS, Crawford ED, Morgans AK, Albala DM, et al, **[Hafron J]**. Optimizing the role of androgen deprivation therapy in advanced prostate cancer: Challenges beyond the guidelines. *Prostate*, May 2020;80(6):527-544.

Shore ND, Drake CG, Lin DW, Ryan CJ, Stratton KL, Dunshee C, et al, **[Kaul S, Kernan K]**. Optimizing the management of castration-resistant prostate cancer patients: A practical guide for clinicians. *Prostate*, October 2020;80(14):1159-1176.

Stephen JR, Burks FN. Buried penis repair: Tips and tricks. *Int Braz J Urol*, July-August 2020; 46(4):519-522.

Vollstedt A, Baunoch D, Wolfe A, Luke N, **Wojno KJ**, Cline K, et al, **[Korman H, Jafri M, Keating P, Hazelton D, Makhlof B, Wenzler D, Sabry M, Burks F, Sirils LT]**. Bacterial interactions as detected by pooled antibiotic susceptibility testing (P-AST) in polymicrobial urine specimens. *J Sur Urology*, May 2020;1(01).

Vollstedt A, Gilleran J. Update on implantable PTNS devices. *Curr Urol Rep*, May 2020;21(7):28.

UROLOGY

Peer-Reviewed Articles:

Vollstedt A, Rezaee ME, Monga M, Zampini A, Krambeck AE, Shah O. The use of outpatient opioid medication for acute renal colic and ureteral stents: Insights from a multi-institutional patient survey. *Clin Nephrol*, June 2020;93(6):269-274.

Ward EP, Bartolone SN, Chancellor MB, Peters KM, *Lamb LE. Proteomic analysis of bladder biopsies from interstitial cystitis/bladder pain syndrome patients with and without Hunner's lesions reveals differences in expression of inflammatory and structural proteins. *BMC Urology*, November 2020;20(1):180.

Wu RC, Prebay ZJ, Patel P, Kim T, Qi J, Telang J, et al, **[Johnston WK 3rd]**. Using video review to understand the technical variation of robot-assisted radical prostatectomy in a statewide surgical collaborative. *World J Urol*, July 2020;38(7):1607-1613.

Zwaans BMM, Wegner KA, **Bartolone SN**, Vezina CM, **Chancellor MB**, ***Lamb LE**. Radiation cystitis modeling: A comparative study of bladder fibrosis radio-sensitivity in C57BL/6, C3H, and BALB/c mice. *Physiol Rep*, February 2020;8(4).

Zwaans BMM, Nicolai HE, **Chancellor MB**, ***Lamb LE**. Prostate cancer survivors with symptoms of radiation cystitis have elevated fibrotic and vascular proteins in urine. *PLoS One*, October 2020;15(10):e0241388.

UROLOGY

Book Chapter or Full Book Publications:

***Gaines N, *Lavin JE, Gilleran JP.** Stress incontinence. In ***Lajiness M, Quallich S** (eds). *The Nurse Practitioner in Urology*. Springer, Berlin/Heidelberg Germany, 2020, Chapter 14;p272-284.

***Lamb LE, Bartolone SN, Chancellor MB.** Detection of zika virus using Reverse Transcription-Loop Mediated Isothermal Amplification (RT-LAMP). In Kobinger G, Racine T (eds). *Methods in Molecular Biology*. Springer, New York City, United States of America, 2020, 2142:137-146.

Odom B, *Edwards L, Hafron J. Kidney cancer. In ***Lajiness M, Quallich S** (eds). *The Nurse Practitioner in Urology*. Springer, Berlin/Heidelberg Germany, 2020, Chapter 19;p383-394.

Rusilko PJ, Fuller TW, **Burks F.** Surgical reconstruction of buried penis. In: Martins FE, Kulkarni SB, Kohler TS, editors. *Textbook of male genitourethral reconstruction*. Charm: Springer; 2020; p737-749.

Smith, CP, **Chancellor, MB:** Botulinum toxin treatment in urological disorders. In Jabbari H (ed). *Botulinum Toxin Treatment in Surgery, Dentistry, and Veterinary Medicine*. Springer Nature, Switzerland AG, 2020, Chapter 15;p297-308.

Vollstedt A, Gross MS, Antonini G, Suarez-Sarmiento Jr A, Perito PE. Penile prosthesis implantation: Infrapubic approach. In Martins FE, Kulkarni SB, Köhler TS (eds). *Textbook of Genitourethral Reconstruction*. Springer Nature, Switzerland AG, New York, 2020, Chapter 45; p577–587.

Watson B, Jones PM, Hafron J. Diagnosis and management of localized prostate cancer. In ***Lajiness M, Quallich S** (eds). *The Nurse Practitioner in Urology*. Springer, Berlin/Heidelberg Germany, 2020, Chapter 16;p345-358.

UROLOGY

Abstracts with Associated Research Presentations:

Gilleran J, Diokno A, Ward E, Siris LT, *Hasenau D, Bowlus J, et al, [**Shea E, Bartolone SN, *Lamb LE, Chancellor M**]. Intradetrusor injection of adult muscle-derived cells for the treatment of underactive bladder. International Continence Society (ICS) Annual Meeting, November 19-22, 2020. Virtual.

Grobbel M, **Zwaans BMM, Ward EP, *Lamb LE**, Roccabianca S. Time- and dose-dependent, radiation cystitis-induced alterations to bladder wall mechanical behavior. Society for Basic Urological Research (SBUR) Annual Meeting, November 11-14, 2020. Virtual.

Kraemer S, Fischer M. Robotic suture release for ureteral obstruction after vaginal prolapse surgery. North Central Section (NCS) of American Urological Association Annual Meeting, October 14-17, 2020. Virtual.

***Lamb LE, Bartolone SN**, Janicki JJ, **Peters KM**, ICA Interstitial Cystitis Association, et al, [**Chancellor MB**]. National collaborative crowdsourcing method of diagnostic biomarker development for Interstitial Cystitis/Bladder Pain Syndrome (IC/BPS). American Urological Association (AUA) Annual Meeting, Washington DC, May 15-18, 2020. Virtual.

***Lamb LE, Bartolone SN**, Janicki JJ, **Peters KM**, Abraham N, Laudano M, et al, [**Chancellor MB**]. National collaborative crowdsourcing method of diagnostic biomarker development for interstitial cystitis/bladder pain syndrome (IC/BPS). American Urological Association's 2020 Annual Meeting, Washington DC, May 15-18, 2020. Virtual.

Lane G, Al Hussein Alawamlh O, Anger JT, Brandes ER, Carmel ME, Chung DE, et al, [**Padmanabhan P, Vollstedt A**]. Treatment of urethral stricture disease in women: A multi-Institutional collaborative project. Society of Urodynamics Female Urogenital Reconstruction (SUFU), National Meeting, Scottsdale, Arizona, February 25-29, 2020. American Urological Association (AUA) Annual Meeting, Washington DC, May 15-18, 2020. Virtual.

Lane G, Anger J, Brandes E, Carmel M, Chung D, Cox L, et al, [**Padmanabhan P, Vollstedt A**]. Treatment of urethral stricture disease in women: A multi-institutional collaborative project. International Continence Society (ICS), November 19-22, 2020. Virtual.

BEST CLINICAL ABSTRACT

Meier K, Jarosz S, Wenzler D, Schober M, Feber K. Posterior tibial nerve stimulation for pediatric patients with refractory non-neurogenic lower urinary tract dysfunction. The Societies for Pediatric Urology (SPU) Annual Meeting, June 27-28, 2020. Virtual.

Meier K, McCartney T, Burks F, Peters KM. Kidney stone video is an effective and welcome addition to patient counseling. North Central Section (NCS) of American Urological Association, Rancho Mirage, California, October 14-17, 2020. Virtual.

Odom B, Feber K, Schober M. Are two always better than one? A tale of two penises and covered cloacal exstrophy. North Central Section (NCS) of American Urological Association, Rancho Mirage, California, October 14-17, 2020. Virtual.

UROLOGY

Abstracts with Associated Research Presentations:

Odom B, George A, Cher M, Qi J, Linsell S, **Burks F**, et al, [**Jafri SM**]. Evaluating practice patterns regarding prostate biopsies performed in elderly patients: a review of a statewide collaborative evaluating practice patterns regarding prostate biopsies performed in elderly patients: A review of a statewide collaborative. American Urological Association (AUA) Annual Meeting, Washington DC, May 15-18, 2020. *Virtual*. Michigan Urological Society (MUS), October 3, 2020. *Virtual*.

Odom B, Schober M, Feber K. Spleenticle: A case of discontinuous splenogonadal fusion. North Central Section (NCS) of American Urological Association, Rancho Mirage, California, October 14-17, 2020. *Virtual*.

Olive EJ, **Tennyson L, Turner K, Kraemer S, Peters KM**. Pudendal neuromodulation for treatment of female orgasmic disorder. International Society for the Study of Women's Sexual Health (ISSWSH) Annual Meeting, Orlando, FL, March 5-8, 2020. **BEST POSTER AWARD**.

Pachynski R, McKay R, **Hafron J**, Fitch K, Flanders S, Vogelzang N. Impact of flu vaccine on survival after immunotherapy for metastatic castration resistant prostate cancer (mCRPC): Analysis of Medicare claims data. American Society of Clinical Oncology (ASCO) Annual Meeting, Chicago, Illinois, May 29-June 2, 2020. *Virtual*.

Rezakahn Khajeh N, **Peters K**. Prevalence of stress urinary Incontinence in female gymnasts in the United States. North Central Section (NCS) of American Urological Association Annual Meeting, October 14-17, 2020. *Virtual*.

Sharrak A, **Watson B**, Kanaan C, **Seifman B**. Post operative management of patients undergoing percutaneous nephrostolithotomy. International Women in Surgery (WIS) Career Symposium, Clearwater Beach, FL, February 14-16, 2020.

Shetty Z, Stephens J, Rubenstein R. A complicated blowhole- a vasocutaneous fistula following an elective vasectomy. North Central Section (NCS) of American Urological Association, Rancho Mirage, CA, October 14-17, 2020. *Virtual*.

Stephens J, Peters KM. A novel approach to vulvodynia using targeted neuromodulation. North Central Section (NCS) of American Urological Association, Rancho Mirage, CA, October 14-17, 2020. *Virtual*.

Sun F, Dreyer Z, Moudgil P, Vartanian S, **Burks F**. Single institution analysis of Ablations vs partial nephrectomies for small renal masses. North Central Section (NCS) of American Urological Association, Rancho Mirage, CA, October 14-17, 2020. *Virtual*.

Tennyson L, Turner K, Vollstedt A, Peters KM. Cyclosporine for the treatment of Hunner's lesion interstitial cystitis. Society of Urodynamics Female Urogenital Reconstruction (SUFU), National Meeting, Scottsdale, AZ, February 25-29, 2020.

UROLOGY

Abstracts with Associated Research Presentations:

Timar R, Dhar N, Wills M, **Lamb LE, Chancellor MB**. COVID-19-associated cystitis: Infections with SARS–COV–2 and subsequent urinary symptoms. Society for Basic Urological Research (SBUR) Annual Meeting, November 11-14, 2020. Virtual.

Vince R, Quarles J, Luke M, Jacobs M, Kaffenberger S, Salami S, et al, [**Hafron J**]. Detection of germline mutations in localized and metastatic prostate cancer through guideline based testing. American Urological Association (AUA) Annual Meeting, Washington DC, May 15-18, 2020. Virtual.

Vollstedt A, Luke N, **Wojno K**, Kelly C, Smith D, Banouch D, et al, [**Korman H, Keating P, Burks F, Jafri M, Siris LT**]. Resistance patterns as detected by urobiome antibiotic susceptibility testing (U-AST) in polymicrobial urinary tract infections. Society of Urodynamics Female Urogenital Reconstruction (SUFU), National Meeting, Scottsdale, AZ, February 25-29, 2020. American Urological Association (AUA) Annual Meeting, Washington DC, May 15-18, 2020. Virtual.

Vollstedt A, Luke N, **Wojno K**, Kelly C, Smith D, Baunouch D, et al, [**Howard K, Keating P, Burks F, Jafri M, Siris L**]. Agreement of traditional urinary culture and multiplex PCR: Results from a prospective study. Society of Urodynamics Female Urogenital Reconstruction (SUFU), National Meeting, Scottsdale, AZ, February 25-29, 2020. American Urological Association (AUA) Annual Meeting, Washington DC, May 15-18, 2020. Virtual.

Vollstedt A, Luke N, **Wojno K**, Kelly C, Smith D, Baunouch D, et al, [**Korman H, Keating P, Burks F, Jafri M, Siris L**]. Urinary tract infection presentation of elderly patients and the decision to empirically treat. Society of Urodynamics Female Urogenital Reconstruction (SUFU), National Meeting, Scottsdale, AZ, February 25-29, 2020.

Ward EP, Bartolone SN, Peters KM, Chancellor MB, Diokno A, *Lamb LE. Urinary Monocyte Chemoattractant Protein-1 (MCP-1/CCL2) expression as an indicator of global response assessment in clinical trial for underactive bladder (UAB). American Urological Association (AUA) Annual Meeting, Washington DC, May 15-18, 2020. Virtual.

Watson B, George A, Johnson A, Qi J. MR/US fusion-guided prostate biopsy improves clinically significant prostate cancer detection for biopsy-naïve patients across diverse practice settings. Michigan Urological Society (MUS), October 3, 2020. Virtual.

Watson B, George A, Qi J, Miller D, Linsell S, Peabody J, et al, [**Jafri M**]. Evaluating urinary continence outcomes following immediate versus delayed radical prostatectomy: Results from a statewide quality improvement collaborative. North Central Section (NCS) of American Urological Association, Rancho Mirage, CA, October 14-17, 2020. Virtual.

Watson B, Johnson A, Qi J, George A. MR/US fusion-guided prostate biopsy improves clinically significant prostate cancer detection for biopsy-naïve patients across diverse practice settings. Fusion biopsy. American Urological Association (AUA) Annual Meeting, Washington DC, May 15-18, 2020. *Virtual*. North Central Section (NCS) of American Urological Association, Rancho Mirage, CA, October 14-17, 2020. Virtual.

UROLOGY

Watson BJ, Shetty Z, George AK, Qi J, Cher ML, Miller DC, et al [Jafri SMA]. Outcomes following immediate versus delayed radical prostatectomy: Results from a statewide quality improvement collaborative. Michigan Urological Society (MUS), October 3, 2020. Virtual.

Watson B, Stephens J, Touriel R, Volin J, Burks F. Reimbursement incentive associated with decrease in opioids prescribed following robotic radical prostatectomy. Michigan Urological Society (MUS), October 3, 2020. Virtual. North Central Section (NCS) of American Urological Association, Rancho Mirage, CA, October 14-17, 2020. Virtual.

Zwaans BMM Grobbel M, Ward EP, Bartolone SN, Chancellor MB, Tykocki NR, et al, [*Lamb, LE]. Bladder remodeling post-radiation increases fibrosis and decreases distensibility: Implications for pelvic cancer survivors. American Urological Association (AUA) Annual Meeting, Washington DC, May 15-18, 2020. Virtual.

Zwaans BMM, Nicolai H, Chancellor M, *Lamb L. Understanding the progression of radiation cystitis in prostate cancer survivors through urine. International Continence Society (ICS) Annual Meeting, November 19-22, 2020. Virtual.

Zwaans BMM, Ward E, Chancellor M, *Lamb L. Long-term increase in ICAM-1 is an indication of endothelial distress in radiation cystitis. International Continence Society (ICS) Annual Meeting, November 19-22, 2020. Virtual.

UROLOGY

Invited Research Presentations:

Hafron J. Bladder cancer and COVID-19. Mid-Central Regional Update for Patients and Families. Bladder Cancer Advocacy Network, April 14, 2020. Virtual.

Hafron J. Michigan Urological Surgery Improvement Collaborative (MUSIC) robotic prostatectomy skills workshop webinar. October 2020.

***Lamb LE.** Developing a point-of-risk test for novel Coronavirus 2019. Frontiers in Bioengineering Research, Rice University, Houston, TX, April 30, 2020. Virtual.

***Lamb LE.** Developing a point-of-risk molecular test for Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2). European Society for Translational Medicine (EUSTM), Vienna, Austria, September 25, 2020. Virtual.

Peters KM. Neuromodulation for the neurological patient. The International Neuro-Urology Society (INUS) Annual Congress, Istanbul, Turkey, January 23-25, 2020.

Zwaans BMM. A twist to the traditional academic career path. Invited speaker for student career seminar. University of Michigan, Ann Arbor, MI, February 13, 2020.

Zwaans BMM. Modeling of long-term side effects from radiation therapy in the bladder. Molecular and Cellular Pathology Annual Symposium, University of Michigan, Ann Arbor, MI, November 6, 2020. Virtual.

UROLOGY

Non-Peer Reviewed Research Publications:

Hafron J. Practicing in prostate cancer revolution. Urology Times; February 2020.

Hafron J. A major wake-up call to U.S. medicine to administer androgen deprivation therapy for prostate cancer on time. Conversation with The Cancer Letter, July 2020.

Hafron J. Applying key insights from the PROCEED real-world registry to clinical practice. Urology Times, 2020.

Watson B, Hafron J. Management of UTUC using a kidney sparing approach. Urologists in Cancer Care. April 2020;9(17-20).

Watson B, Hafron J. Management of upper tract urothelial carcinoma using a kidney-sparing approach. Case of the Month. Urologists in Cancer Care, April 2020;9(1),17-20.

BEAUMONT HOSPITAL
Farmington Hills

DERMATOLOGY

Farmington Hills

Peer-Reviewed Articles:

Khalil K, **Arnold N**, Seiger E. Chronic eyelid edema and xerophthalmia secondary to periorbital hyaluronic acid filler injection. *J Cosmet Dermatol*, 2020;19(4):824-6.

Kohli I, Braunberger TL, **Nahhas AF**, Mirza FN, Mokhtari M, Lyons AB, et al. Long-wavelength ultraviolet A1 and visible light photoprotection: A multimodality assessment of dose and response. *Photochem Photobiol*, 2020 January;96(1):208-214.

Kohli I, Kastner S, Thomas M, **Nahhas AF**, Braunberger TL, Mohammad TF, et al. Quantitative measurement of skin surface oiliness and shine using differential polarized images. *Arch Dermatol Res*, 2020 April 8.

Lyons AB, Kohli I, **Nahhas AF**, Braunberger TL, Mohammad TF, Nicholson CL, et al. Trichloroacetic acid model to accurately capture the efficacy of treatments for postinflammatory hyperpigmentation. *Arch Dermatol Res*, 2020 April 6.

Utz SE, Nartker N, Goncharuk V, **Singer C**. Livedo racemosa from lubricious polymer coating embolism after endovascular procedure. *J Cutan Pathol*, 2020 November 6.

Non-Peer Reviewed Research Publications:

Lyons AB, Kohli I, **Nahhas AF**, Braunberger TL, Mohammad TF, Nicholson CL et al. Trichloroacetic acid model to accurately capture the efficacy of treatments for postinflammatory hyperpigmentation. *Arch Dermatol Res*. 2020;312(10):725-730.

DERMATOLOGY

Abstracts with Associated Research Presentations:

Nahhas AF, Scales AT, Pfeifle J, Stephenson SR. An unusual presentation of cutaneous metastatic lobular breast carcinoma. Alvin Yarrows Research Day, Farmington Hills, MI, May 2020.

Corwin K, Mahon M. Unique congenital lesion comprised of cutaneous leiomyoma and overlying anetoderma: A case report and review of the literature. Alvin Yarrows Research Day, Farmington Hills, MI, May 2020.

Globerson J, Ivanov N, Seiger E, Stephenson, SR. Hibernoma: A painful enlarging posterior shoulder mass. Alvin Yarrows Research Day, Farmington Hills, MI, May 2020.

Hansen K; Roth E, **LaCasse A.** Laugier-Hunziker syndrome: A case of a rare pigmentary disorder. Alvin Yarrows Research Day, Farmington Hills, MI, May 2020.

Hansen K, Makki K, **Mahon M, Pui J.** Acquired acrodermatitis enteropathica in a patient after gastric bypass surgery. Alvin Yarrows Research Day, Farmington Hills, MI, May 2020.

***Law L, McFalda, W Olsen S, LaCasse A.** A rare case of porocarcinoma in a 31-year-old male. Alvin Yarrows Research Day, Farmington Hills, MI, May 2020.

Globerson J, Yee D, Olsen S, **Bender B.** Punked by the punctum: A case of domestically acquired cutaneous myiasis. AOCD Annual Meeting, West Palm Beach, FL, February 2020.

GENERAL SURGERY

Farmington Hills

Peer Reviewed Articles:

Hammoud M, Gerken J. Inguinal Hernia. StatPearls Publishing LLC, 2020.

Smith J, **Parmely JD.** Ventral Hernia. StatPearls Publishing LLC; 2020.

Abstracts with Associated Research Presentations:

***Hadwan S, Boudouris W, Pierce R, Dismondy M.** The great masquerader: A case of neuromyelitis optica spectrum disorder in the setting of Sjogren's Syndrome. Alvin Yarrows Virtual Research Day, Farmington Hills, MI, May 2020.

Imbs J, *Girgis M, Abousamra A, Parres C, Krishnan A, Zakalik K, et al, [Zillgitt A]. Temporal lobe encephalocele in adult-onset drug resistant MTLE. American Academy of Neurology Annual Meeting, Toronto, ON, Canada, April 25, 2020.

Ryder O, Rammage L, Vanood A, Ravi V, Zillgitt A, Parres C. Prognostic and clinical value of continuous EEG monitoring in patients undergoing therapeutic hypothermia after cardiac arrest. American Academy of Neurology Annual Meeting, Toronto, ON, Canada, April 25, 2020.

Invited Research Presentations:

Boudouris W. Stroke care in the time of a pandemic. Northwestern Medicine Stroke and Cerebrovascular CME series. July 22, 2020. Virtual.

Abstracts with Associated Research Presentations:

DeAngelis D, Eul A, Freund F, Pop AM, Heal K. Lemierre's syndrome and its unique complications. Alvin Yarrows Virtual Research Day, Farmington Hills, MI, May 2020.

ORTHOPAEDIC SURGERY

Farmington Hills

Peer-Reviewed Articles:

Knapp P, **Weishuhn L**, Pizzimenti N, Markel DC. Risk factors for manipulation under anaesthesia after total knee arthroplasty. Bone Joint J, 2020 June;102-B(6SupplA):66-72.

Kupchick TD, Yousif MJ, Colen AJ, Fenkell BR, Faulkner AM. Detection of traumatic elbow arthrotomies: Computed tomography scan vs. saline load test. J Shoulder Elbow Surg, 2020 September;29(9):1869-1875.

Main BJ, Valk JA, Maffulli N, Rodriguez HC, Gupta M, Stone IW, et al. Umbilical cord-derived Wharton's jelly for regenerative medicine applications in orthopedic surgery: A systematic review protocol. J Orthop Surg Res, 2020 November 11;15(1):527.

PLASTIC SURGERY

Farmington Hills

Peer-Reviewed Articles:

Hobson G, Bates J, Sherbert D. Breast implant-associated anaplastic large cell lymphoma affecting a neosubpectoral pocket. *Cureus*, 2020 March 4;12(3).

Kreitzberg SA, Sherbert D, DeSano J, 2nd. Becker implant intracapsular rupture with contralateral axillary silicone lymphadenopathy in an asymptomatic patient: A case report and literature review. *Cureus*, 2020;12(4).

PODIATRY

Farmington Hills

Peer-Reviewed Articles:

Fiani B, Figueras RA, Stefano F, Gautam N, **Khan A**, Soula M. Nonmissile penetrating spinal injuries: Mechanisms, expectations, and management. Surg Neurol Int, 2020 November 25.

RADIOLOGY

Farmington Hills

Peer Reviewed Articles:

***Boyd S, Waldrop, M, *Figner, J, Saenz R.** Acute necrotizing encephalopathy in the setting of COVID-19. American Osteopathic College of Radiology (AOCR) Case in Point, May 19, 2020.

Carrillo MM, Loi RQ, Kroger K, **Legacy MJ**, Kumar B. Wretched retching in a 16-year-old girl: A case report of nutcracker and superior mesenteric artery syndromes. Annals of Pediatric Research, November 16, 2020;4(4):1048.

***Figner J.** Acute necrotizing encephalopathy in the setting of COVID-19. Case in Point, American College of Radiology, May 19, 2020.

Serena TJ, Antypas E, Malay N, Laveroni E Jr. Endovascular intervention of a mycotic pseudoaneurysm of accessory left hepatic artery arising from the left gastric artery presenting secondary to clostridium difficile colitis: A case report. Cureus, 2020;12(4);April 23, 2020.

***Williams V, Jones C, Saenz, R.** Bilateral hippocampal infarction. Global Radiology CME, July 11, 2020.

RADIOLOGY

Abstracts with Associated Research Presentations:

Legacy M, Ali R, Martinez Z, Aravapalli. Pulmonary typical carcinoid and mimics. American College of Osteopathic Radiology Annual Conference, May 2020.

Williams V, Figner J, Martin A, Saenz R. Disseminated myxoid leiomyosarcoma in a patient with stage IV breast cancer and remote myomectomy: Discussion of radiologic-pathological-surgical correlation. American College of Osteopathic Radiology (AOCR) Annual Conference, May 2020.

Invited Research Presentations:

Saenz R. Office-based x-ray: What you should know. Beaumont Health Primary Care Symposium, December 1-15, 2020.

Saenz R. Don't let the sun go down on these! American Osteopathic College of Radiology Webinar, May of 2020.

BEAUMONT HOSPITAL
Dearborn, Taylor, Trenton, Wayne

CARDIOVASCULAR DISEASE

Dearborn, Taylor, Trenton, Wayne

Peer-Reviewed Articles:

Al-Khadra Y, Sattar Y, Ullah W, Moussa Pacha H, Baibars M, Darmoch F, et al, **[Asfour AI]**. Temporal trends and outcomes in utilization of transcatheter and surgical aortic valve therapies in aortic valve stenosis patients with heart failure. *Int J Clin Pract*, 2020 September 21.

Ali-Ahmed F, Dalgaard F, Al-Khatib SM. Sudden cardiac death in patients with myocarditis: Evaluation, risk stratification, and management. *Am Heart J*, 2020 February;220:29-40.

Kiernan F, Abdelaziz A, Hiendlmayr B, Gowani SA. Digital Hand Embolization as a complication of substance abuse. *J Invasive Cardiol*, 2020 May;32(5).

Nairooz R, Parzynski CS, Curtis JP, **Mohsen A**, McNulty E, Uretsky BF, et al. Contemporary trends, predictors and outcomes of perforation during percutaneous coronary intervention. *Am J Cardiol*, 2020 September 1;130:37-45.

CARDIOVASCULAR SURGERY

Dearborn, Taylor, Trenton, Wayne

Peer-Reviewed Articles:

Bond C, Milojevic M, He C, Theurer PF, Clark M, Pruitt AL, et al, **[Dabir R]**. Quality improvement: arterial grafting redux 2010:2019. Ann Thorac Surg, 2020 November 12.

Brescia AA, Clark MJ, Theurer PF, Lall SC, Nemeh HW, Downey RS, et al, **[Dabir R]**. Establishment and implementation of evidence-based opioid prescribing guidelines in cardiac surgery. Ann Thorac Surg, 2020 December 4.

Milojevic M, Bond C, Theurer PF, Jones RN, **Dabir R**, Likosky DS, et al. The role of regional collaboratives in quality improvement: Time to organize, and how? Semin Thorac Cardiovasc Surg, 2020;32(1):8-13.

CLINICAL GENETICS

Dearborn, Taylor, Trenton, Wayne

Peer-Reviewed Articles:

Jackson L, Cichon M, Kleinert H, Trepanier A. Teaching medical students how to deliver diagnoses of Down Syndrome: Utility of an educational tool. Patient Educ Couns, 2020 March;103(3):617-625.

DERMATOLOGY

Dearborn, Taylor, Trenton, Wayne

Peer-Reviewed Articles:

Nguyen H, **Gazy N**, Venketaraman V. A role of intracellular toll-like receptors (3, 7, and 9) in response to mycobacterium tuberculosis and co-infection with HIV. *Int J Mol Sci*, 2020 August 26.

DIAGNOSTIC RADIOLOGY AND IMAGING

Dearborn, Taylor, Trenton, Wayne

Peer-Reviewed Articles:

Shah NG, Wible BC, Paulisin JA, **Zaki M**, Lamparello P, Sista A, et al. Management of inferior vena cava thrombosis with the FlowTrieve and ClotTrieve systems. J Vasc Surg Venous Lymphat Disord, 2020 October 10.

EMERGENCY MEDICINE

Dearborn, Taylor, Trenton, Wayne

Peer-Reviewed Articles:

Abbas M, Verville J, Mroue K. Resolution of bronchoconstriction with positive airway pressure after intravenous adenosine. Am J Emerg Med, 2020 November 6.

GENERAL SURGERY

Dearborn, Taylor, Trenton, Wayne

Peer-Reviewed Articles:

Mazumder S, Ma M, **Champigny M, Adeyemo A**. A case of adult-onset Henoch-Schönlein Purpura triggered by fire ants. *Cureus*, 2020 March 20;12(3).

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