

Report of Research Accomplishments

2018

**Report of Research Accomplishments
Beaumont Health
Research Institute**

For more than 45 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

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 (RI), 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 79 accredited residency and fellowship programs involving 837 residents and 97 fellows, and 168 research staff.

Funding

Research Institute actual operations \$36.9M

Educational Opportunities for Research Staff

2-day orientation for new clinical research staff

External Sources of Research Funding

Commercial sponsors	31 %
Federal sponsors	22 %
Philanthropic sponsors	13 %
Intellectual Property	34 %

Types of Research at Beaumont Health

Percentage of expenses

Clinical Research	48 %
Pre-clinical Research	52 %

External Research Funding by Service Line

Radiation Oncology	25 %
Urology	8 %
Hematology/Oncology	7 %
Infectious Disease	7 %
Orthopedics	7 %
Emergency Medicine	6 %
Cardiology	4 %
OB/GYN	4 %
Other (Various, Admin/Inv. IP Share)	32 %

Clinical Research

- 1,273 clinical studies
- 371 interventional studies
- 902 non-interventional studies
- 434 active principal investigators
- 5,021 registered research participants

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BEAUMONT HOSPITAL
Royal Oak, Troy, Grosse Pointe

ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Peer-Reviewed Articles:

Anesthesiology and Perioperative Medicine

Abstracts with Associated Research Presentations: continued

Kraemer J, Larson B, Asbahi M, Bhatti A.

Anesthesiology and Perioperative Medicine

Anesthesiology and Perioperative Medicine

Invited Research Presentations: continued

Soto R. Expectation management and the opioid epidemic. Alliance for Patient Access Annual Summit, Washington DC, November 26-27, 2018.

Soto R. Mandatory drug testing of anesthesiologists: Pros and cons. Annual American Society of Anesthesiologists (ASA) Conference, San Francisco, CA, October 13-17, 2018.

Non Peer-Reviewed Research Publications:

Katz E. Recommendations for breast feeding after anesthesia. Michigan Society of Anesthesiologists Newsletter, Summer/Fall 2018.

BIOBANK

Peer-Reviewed Articles:

Anyaiwe DEO, Sing GB, **Wilson GD**, ***Geddes TJ**. Computational convolution of SELDI data for the diagnosis of Alzheimer's disease. High Throughput. 2018 May 17;7(2).

Anyaiwe DEO, **Wilson GD**, ***Geddes TJ**, Singh GB. Harnessing mass spectra data using KNN principle: Diagnosing Alzheimer's disease. ACM SIGBioinform. 2018;Rec.7:2.

Blas K, Tonlaar N, Galoforo S, ***Ahmed S**, Wilson TG, Marples B, et al, [**Wilson GD**]. Dual blockade of PI3K and MEK in combination with radiation in head and neck cancer. Clin Transl Radiat Oncol. 2018 Apr 27;11:1-10.

Caruso JA, Carruthers NJ, ***Thibodeau BJ**, ***Geddes TJ**, Dombkowski AA, Stemmer PM.

BioBank

Invited Research Presentations:

Pruetz B, Tomlinson T, Loup A. Informed consent of participants. The Annual Scientific Symposium of the Great Lakes Biorepository Research Network (GLBRN), Ann Arbor, MI, September 7, 2018.

Wilson GD, Jewell S, Rohrer D. Key elements of biobanking for clinical and translational research. The Annual Scientific Symposium of the Great Lakes Biorepository Research Network (GLBRN), Ann Arbor, MI, September 7, 2018.

CARDIOVASCULAR DISEASE

Peer-Reviewed Articles:

Ali-Ahmed F, Goyal V, Patel M, Orelaru F, **Haines DE**, Wong WS. High-power, low-flow, short-ablation duration-the key to avoid collateral injury? J Interv Card Electrophysiol, published online October 30, 2018.

Cardiovascular Disease

Peer-Reviewed Articles: continued

Cardiovascular Disease

Peer-Reviewed Articles: continued

Nakahama H, Jankowski M, **Dixon SR, Abbas AE**. Opolski MP, Gransar H, et al, [**Chinnaiyan K, Raff GL**]. Prognostic value of chronic total occlusions detected on coronary computed tomographic angiography. *Heart*, published online July 30, 2018.

O'Neill WW, Grines C, Schreiber T, Moses J, Maini B, **Dixon SR**, Ohman EM. Analysis of outcomes for 15,259 US patients with acute myocardial infarction cardiogenic shock (AMICS) supported with the Impella device. *Am Heart J*. 2018 Aug;202:33-38.

Quindry JC, **Franklin BA**. Cardioprotective exercise and pharmacologic interventions as complementary antidotes to cardiovascular disease? *Exer Sport Sci Rev*. 2018 Jan;46(1):5-17.

Rothschild DR, Goldstein JA. Submassive pulmonary embolus: The challenge of thrombolytic

Cardiovascular Disease

Peer-Reviewed Articles: continued

Writing Committee M, Hirshfeld JW Jr, Ferrari VA, Bengel FM, Bergersen L, Chambers CE, et al, [Haines DE, Raff GL]. 2018 ACC/HRS/NASCI/SCAI/SCCT expert consensus document on optimal use of ionizing radiation in cardiovascular imaging-best practices for safety and effectiveness, Part 1: Radiation physics and radiation biology. Catheter Cardiovasc Interv. 2018 Aug 1;92(2):203-221.

Xie JX, Cury RC, Leipsic J, Crim MT, Berman DS, Gransar H, et al, [

Cardiovascular Disease

Book Chapter or Full Book Publications: continued

Kern MJ, Lim MI, **Goldstein JA**, editors. Hemodynamic rounds: Interpretation of cardiac pathophysiology from pressure waveform analysis. 4th ed. New York: Wiley Blackwell, 2018.

Abstracts with Associated Research Presentations:

Cardiovascular Disease

Abstracts with Associated Research Presentations: continued

Madder R, Seth M, Schrieber T, Kaki A, Chattahi J, West D, et al, [**Dixon SR**]. Statewide variability in radiation doses exceeding 5-gy during percutaneous coronary intervention: Data from the Blue Cross Blue Shield of Michigan Cardiovascular Collaborative (BMC2) Registry. JACC. 2018 Sep;72(13).

Matsumura M, Weisz G, Yamamoto M, Andrews J, Kini A, Brilakis E, et al, [**Dixon SR**]. Angiographic predictors of lipid rich plaque detected by near-infrared spectroscopy: the COLOR registry. JACC. 2018 Mar;71(11).

Meraj PM, Hill J, **Dixon SR**, Schrieber T, Moses J, Schaefer A. Non-emergent percutaneous coronary intervention on an unprotected left main coronary artery supported with Impella heart pump in patients ineligible for surgical revascularization. JACC. 2018 Mar;71(11).

Rothschild D, Goldstein J, Bowers T. Low-dose systemic thrombolytic therapy for treatment of submassive pulmonary embolism: Clinical efficacy but attendant hemorrhagic risks. Catheter Cardiovasc Interv, published online December 14, 2018. 4th Annual PE Symposium, Nashville, TN June 22-23, 2018.

Rothschild D, Goldstein J, Bowers T. Ultrasound-accelerated thrombolysis (USAT) versus standard catheter-directed thrombolysis (CDT) for treatment of pulmonary embolism: A retrospective analysis. 4th Annual PE Symposium, Nashville, TN June 22-23, 2018.

Sacks R, Franklin BA, *Boura J, Rida R, Potkin S, Friedman H, et al, [

Cardiovascular Disease

Invited Research Presentations: continued

Franklin BA. Beyond botox and cosmetic surgery: Exercise and other anti-aging lifestyle interventions. Clinical Obesity Medicine Conference, Center for Medical Weight Loss, Las Vegas, NV, January 20-21, 2018. 10th Annual Advances in Heart Disease Prevention and Rehabilitation Conference, Beaumont Hospital, Troy, MI, March 3, 2018.

Franklin BA. Rehabilitation in cardiovascular disease: From prevention to intervention. Annual Viennese Physicians Society Meeting (Sommersemester), Vienna, Austria, March 13, 2018.

Franklin B. Cardiac rehabilitation in 2018: Incorporating new populations and approaches. Preventive Cardiovascular Nurses Association Annual Meeting, Baltimore, MD, April 4-7, 2018.

Franklin BA. High-volume, high-intensity exercise and cardiovascular health: Changing paradigms and perceptions. American Medical Society for Sports Medicine Annual Meeting, Orlando, FL, April 24-29, 2018.

Franklin BA. Impact of exercise training on black and white women at risk for cardiovascular disease. Heart and Style Event, Oakland Hills Country Club, Bloomfield Hills, MI, May 17, 2018.

Franklin BA. Behavioral skills for winning in life. American College of Sports Medicine (ACSM) 65th Annual Meeting, Minneapolis, MN, May 29-June 2, 2018.

Franklin BA. Beyond exercise: Moving from activity interventions to comprehensive risk reduction and disease prevention (Tutorial Lecture). American College of Sports Medicine (ACSM) 65th Annual Meeting, Minneapolis, MN, May 29-June 2, 2018.

Franklin BA. Recent advances in preventive cardiology and lifestyle medicine. 21st Annual Beaumont Troy Medical Staff Symposium, Boyne Falls, MI, June 21-23, 2018.

Franklin BA. GPS for professional success: 10 behavior skills of highly successful people. 21st Annual Beaumont Troy Medical Staff Symposium, Boyne Falls, MI, June 21-23, 2018.

Franklin BA. Extreme exercise and cardiovascular health: Clarifying the risk-protection paradox. Medical Grand Rounds, Sinai-Grace Hospital, Detroit, Michigan, September 6, 2018.

Franklin BA. Recent advances in preventive cardiology and lifestyle medicine. Faculty of Medicine, University of Lisbon, Lisbon, Portugal, October 25-28, 2018.

Franklin BA.

Cardiovascular Disease

Invited Research Presentations: continued

Goldstein JA. Radiation safety: Do's and don'ts. Advanced Revascularization Chapter (ARCH)

COLON and RECTAL SURGERY

Peer-Reviewed Articles:

Disbrow D, Seelbach CL, Albright J, Ferraro J, Wu J, **Hain JM**, et al. Statin medications are associated with decreased risk of sepsis and anastomotic leaks after rectal resections. Am J Surg. 2018 Jan 31;pii: S0002-9610(17)31471-X.

Book Chapter or Full Book Publications:

Baptiste D, Shellnut J. Sacral neuromodulation for fecal incontinence. In: **Gilleran JP**, Alpert S, editors. Adult and pediatric neuromodulation. Cham: Springer, 2018. p. 119-130.

Abstracts with Associated Research Presentations:

Reynolds P, **Hain JM.** Anastomotic fistula presenting as pneumoretroperitoneum. Michigan Society of Colon and Rectal Surgery Meeting (MSMS), Novi, MI October 30, 2018.

Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations:

Alchammas J, Tech K. Clinical utility of a brain MR after a negative head CT in the emergent setting. American Society of Neuroradiology (ASNR) Annual Meeting, Vancouver, BC, Canada, June 2-7, 2018.

Bhatt M, Shah A, Noujaim S. Often forgotten, but not lost art: A pictorial review of dacryocystography and associated nasolacrimal apparatus and lacrimal pathology. American Society of Head and Neck Radiology Annual Meeting, Savannah, GA, September 26-30, 2018.

Chapman J, Doshi S

Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued

Kelsch R, *Kaur H, Balon H. All that's hot isn't pathologic: A pictorial review of the physiologic distribution of radiopharmaceuticals for the junior resident. Society of Nuclear Medicine and Molecular Imaging, Annual Meeting, Philadelphia, PA, June 23-26, 2018.

Kennady G, McCormick E, **Krishnan A.** San Luis Valley Syndrome in a non-Hispanic patient: A

Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued

Nair G, Myzuik N, Guerrero Td

Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued

Sousaris N, Wilseck J. "White" epidermoid, rare entity case report. Western Neuroradiological Society 50th Annual Meeting, Dana Point, CA, October 11-14, 2018.

Sousaris N, Wilseck J. Unilateral posterior reversible encephalopathy syndrome caused by rapid fluctuation of blood pressure secondary to coronary air embolism. Western Neuroradiological Society 50th Annual Meeting, Dana Point, CA, October 11-14, 2018.

Sutherland E, Al-Katib S. Amyloid-associated cystic lung disease: A radiology case report. 48th Annual Residents' and Fellows' Research Forum, Royal Oak, MI, May 22, 2018.

Tadros R, **Sousaris N, Wilseck J.** When ordering computed tomography perfusion in patients with acute stroke symptoms: Does renal function really matter? Western Neuroradiological Society 50th Annual Meeting, Dana Point, CA, October 11-14, 2018.

Tominna M, Wilseck J. Nerve roots: Often overlooked. American Society of Spine Radiology, Scottsdale, AZ, February 14-18, 2018.

Tominna M, Wang A. Part I: Compressive myelopathy: Neuroimaging and pathologic spectrum. 12th Asian Oceanian Congress of Neuroradiology, Taipei, Taiwan, March 19-23, 2018.

Tominna M, Wang A. Part II: Non-compressive myelopathy: Neuroimaging and pathologic spectrum. 12th Asian Oceanian Congress of Neuroradiology, Taipei, Taiwan, March 19-23, 2018.

Tominna M, Wang A, Silbergleit R, Krishnan A, Barry K. Spinal cord tumors and mimics. American Roentgen Ray Society Annual Meeting, Washington, DC, April 22-2, 2018.

Tominna M, Al-Katib S. Mass-like ground-glass opacities in sarcoidosis: A rare presentation not previously described. 48th Annual Residents' and Fellows' Research Forum, Royal Oak, MI, May 22, 2018.

Tominna M, *Patel K, Krishnan A, Wang A. Diffuse large b- and t-cell neurolymphomatosis preceding systemic symptoms of lymphoma. American Society of Neuroradiology, Vancouver, BC, Canada, June 2-7, 2018.

Tran K, Shetty M, Basmaji C, *Goncalves LF. Common and uncommon presentations of ectopic pregnancy: A case-based review. American Roentgen Ray Society Annual Meeting, Washington DC, April 22-27, 2018.

Tran K, Krishnan A, Silbergleit R. Transverse venous sinus stenosis in the setting of idiopathic intracranial hypertension: Are we under-reporting and can education improve its identification? American Society of Neuroradiology 56th Annual Meeting and the Foundation of the American Society of Neuroradiology Symposium, Vancouver BC, Canada, June 2-7, 2018.

Tran K, Krishnan A, Wang AM, Silbergleit R. Centrum semiovale diffusion restriction: It's not just methotrexate toxicity. American Society of Neuroradiology Symposium, Vancouver, BC, Canada, June 2-7, 2018.

Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued

Tran K, Shetty, M, Menias C, Jafri, S. Multi-modality review of upper tract urothelial carcinoma and its mimics. Radiological Society of North America Annual Meeting, Chicago, IL, November 26-28, 2018.

***Warren M, *Singh K, Wiegmann D, Ciacci J.** Inferior vena cava filter tilt when deploying from jugular versus femoral access. 48th Annual Residents' and Fellows' Research Forum, Royal Oak, MI, May 22, 2018.

Wilseck Z, Srinivasan A, **Wilseck J.** The many faces of dural arteriovenous fistulas: Unmasking them one at a time. American Society of Neuroradiology 56th Annual Meeting and the Foundation of the ASNR Symposium. Vancouver, BC, Canada, June 2-7, 2018.

Wright J, **Wiater B, Marcantonio DR, *Esterle J.** Outcomes of uncemented reverse total shoulder arthroplasty as initial treatment for comminuted proximal humerus fractures. 48th Annual Residents' and Fellows' Research Forum, Royal Oak, MI, May 22, 2018.

EMERGENCY MEDICINE

Peer-Reviewed Articles:

Bahl A, Bagan M, Joseph S, Brackney A. Comparison of ultrasound and plain radiography for the detection of long-bone fractures. *J Emerg Trauma Shock.* 2018 Apr-Jun;11(2):115-118.

Bahl A, Hang B, Brackney A, Joseph S, Karabon P, Mohammad A, et al. Standard long IV catheters versus extended dwell catheters: A randomized comparison of ultrasound-guided catheter survival. *Am J Emerg Med.*

Emergency Medicine

Abstracts with Associated Research Presentations: continued

Baugh CW, Su E, Nicks BA, Shah MN, Adler DH, **Bastani A**, et al, [**CL Clark**]. Utility of diagnostic testing in older patients with syncope in the emergency department. Society for Academic Emergency Medicine (SAEM) Annual Meeting, Indianapolis, IN, May 15-18, 2018.

Baugh CW, **Swor RA**, **Bastani A**

Emergency Medicine

Abstracts with Associated Research Presentations: continued

Omar H, Yue R, Amen AA, ***Kowalenko T, Walters BL**. Reassessment of violence against emergency physicians. American College of Emergency Physicians (ACEP) Research Forum, San Diego, CA, October 1-4, 2018.

Ozcan A, Ahn T, Menoch M. Imaging for pediatric blunt abdominal trauma: Different prediction rules. Is the outcome the same? American College of Emergency Physicians (ACEP) Research Forum, San Diego, CA, October 1-4, 2018.

Ozcan A, Levasseur K. Febrile infants without respiratory symptoms or sick contacts: Do we need chest radiographs or respiratory syncytial virus/influenza testing? Pediatric Academic Societies Meeting, Toronto, Canada, May 5-8, 2018.

Pai E, **Altwail M, Gugneja M, Bastani A, Jones S**. Aligning incentives to optimize patient: Effect of a novel locally derived DVT treatment guideline. American College of Emergency Physicians (ACEP) Research Forum, San Diego, CA, October 1-4, 2018.

Probst M, Gibson TA, Weiss RE, Yagapen AN, Malveau SE, Adler DH, et al, [**Bastani A, Clark CL**]. Predictors of clinically significant findings on echocardiography in older adults with syncope. Society for Academic Emergency Medicine (SAEM) Annual Meeting, Indianapolis, IN, May 15-18, 2018.

Sabak M, Al-Hadidi A, ***Kowalenko T**, Batemen A, Oktay MM, Kazaz TG, et al. Workplace violence in emergency departments in Turkey: A national survey. American College of Emergency Physicians (ACEP) Research Forum, San Diego, CA, October 1-4, 2018.

Shams A, Gryziwiecz R, Kazmierczak C, **Swor RA**. Direct transport to comprehensive stroke center may not expedite reperfusion of large vessel occlusion stroke. National Association of EMS Physicians Annual Meeting, San Diego, CA, January 8-13, 2018.

Shams A, Hung J, **Bahl A**. Computed tomography has a role in diagnosing right heart strain in patients with acute pulmonary embolism. Society for Academic Emergency Medicine (SAEM) Annual Meeting, Indianapolis, IN, May 15-18, 2018.

Shams A, Kanaan C, Gryziwiecz R, Kazmierczak C, **Swor RA**. Air versus ground transfer to comprehensive stroke center in patients with large vessel occlusion stroke. National Association of EMS Physicians Annual Meeting, San Diego, CA, January 8-13, 2018.

Shinthia N, *Burla M, Berger DA. Resuscitation resident impact on patients with severe sepsis and septic shock. National Association of EMS Physicians Annual Meeting, San Diego, CA, January 8-13, 2018.

***Shotkin P, Hang B, Brackney A, Joseph S**, Karabon P, Nnanabu I, et al, [**Bahl A**]. A comparison of ultrasound guided vascular access catheter survival between standard long IV lines and extended dwell catheters. American College of Emergency Physicians (ACEP) Research Forum, San Diego, CA, October 1-4, 2018.

Family Medicine

Invited Research Presentations: continued

Gruber A. Osteopathic manipulative medicine: Lower back pain. Family Medicine Education Conference, Lansing, MI, June 29, 2018.

Gruber A, Yedavally-Yellayi S. Maintaining osteopathic teaching in light of unified accreditation. Society of Teachers of Family Medicine Annual Spring Conference, Washington, DC, May 5-9, 2018.

Hillenberg JB, Slavin-Spenney O, Black M, **Mulhem E.** A group-based acceptance and commitment therapy intervention for chronic pain in a family medicine center. Midwest Pain Society 42nd Scientific Meeting, Chicago, IL, November 9-10, 2018. **Awarded: 1st Place.**

Hilton H, **Wilson S.** Nutrition knowledge of family medicine physicians: Effect of a resident-driven lecture series. 41st Annual Michigan Family Medicine Research Day, Howell, MI, May 24, 2018.

Hunt R, Van Dyke A, Lackman-Zeman L, Kline E. Integrating the languages of the inter-professional team for optimal patient care. 39th Forum for Behavioral Science in Family Medicine, Chicago, IL, October 10-13, 2018.

Kline E. Building blocks for establishing new ambulatory care pharmacy services. 53rd ASHP Midyear Clinical Meeting & Exhibition, Anaheim, CA, December 2-6, 2018.

Kowalkowski JD. Adverse childhood experiences. Community Health Alliance of Grosse Pointe and Harbor Woods, Grosse Pointe, MI, February 21, 2018.

Kowalkowski JD, Engels, S. Acceptance and commitment therapy in primary care: Practical applications and incorporation into family medicine residency training curricula. The Annual Meeting of the Behavior Analysis Association of Michigan, Ypsilanti, MI, February 16, 2018.

Kowalkowski JD, McClowry RJ, Thompson L, Pierret A, Jafry S, Bognanno E. Proposal for the implementation of an integrative medicine-based resident wellness curriculum in a community-focused family medicine residency. Michigan Family Medicine Research Day, Howell, MI, May 24, 2018.

Lackman-Zeman L. Psychosocial factors at play when addressing SDOH. Oakland University Healthology Symposium, Auburn Hills, MI, April 17-18, 2018.

Lackman-Zeman L. The value of care teams in a primary care practice. Michigan Osteopathic Association 119

Family Medicine

Invited Research Presentations: continued

Lick D, Biggs W, Graham T, Hischier B. Foundational faculty training: Using the STFM Residency Faculty Fundamentals Certificate Program. American Academy of Family Physicians Program Directors Workshop, Kansas City, MO, March 23-25, 2018.

Lick D, Rosbolt J, Gruber A. Common joint injections in the ambulatory setting. Practical Update in Primary Care Medicine, Troy, MI, April 21, 2018.

Mulhem E, Hillenberg JB. The effects of Michigan new opioid laws on physician's opioid prescribing pattern in a large hospital network. Midwest Pain Society 42nd Scientific Meeting, Chicago, IL, November 9-10, 2018. **Awarded: 3rd Place Winner.**

Van Dyke A. Restorative sleep. World of Wellness Alternative and Natural Therapies for Pain Management Seminar. Oakland Community Health Network, Royal Oak, MI, February 3, 2018.

Vendittelli B, Priziola J, **Kline E**. Evaluation of medication management potential of pharmacists through Medicare annual wellness visits. 53rd ASHP Midyear Clinical Meeting and Exhibition, Anaheim, CA, December 2-5, 2018.

Walters E, Biggs W, Chen I, Graham T, Griesbach S, **Lick D**, et al. Foundational faculty training: Using the STFM Residency Faculty Fundamentals Certificate Program. 51st Annual Conference of the Society of Teachers of Family Medicine, Washington, DC, May 5-9, 2018.

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Family Medicine

Non Peer-Reviewed Publications: continued

Mulhem E. Can interventions aimed at delivery of efficient and effective care and support of self-management improve hearing aid use? Cochrane Clinical Answers, 2018.

Mulhem E. For people with respiratory infection, how do delayed compare with immediate or no antibiotic prescriptions? Cochrane Clinical Answers, 2018.

Mulhem E. What are the benefits and harms of “hospital at home” services for adults requiring acute care? Cochrane Clinical Answers, 2018.

Mulhem E. In healthy children, what are the benefits and harms of vaccines for preventing influenza? Cochrane Clinical Answers, 2018.

Mulhem E. What are the benefits and harms of hearing aids for adults with mild to moderate hearing loss? Cochrane Clinical Answers, 2018.

Mulhem E. In infants and children, do influenza vaccines help to prevent acute otitis media? Cochrane Clinical Answers, 2018.

Mulhem E. For people with asthma, how does shared decision-making affect outcomes? Cochrane Clinical Answers, 2018.

Mulhem E. In healthy adults, what are the benefits and harms of vaccines for preventing influenza? Cochrane Clinical Answers, 2018.

Mulhem E. How do intramuscular and oral corticosteroids compare for improving outcomes in people with acute asthma following discharge from the emergency department? Cochrane Clinical Answers, 2018.

Shammami A. Overall health care and navigating the medical system when language is a barrier. John Oram Radio Show, July 2018.

SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE

ALLERGY and IMMUNOLOGY

GASTROENTEROLOGY and HEPATOLOGY

GENERAL INTERNAL MEDICINE

GERIATRICS

HEMATOLOGY / ONCOLOGY

INFECTIOUS DISEASES

NEPHROLOGY

NEUROLOGY

NUTRITION and PREVENTIVE MEDICINE

PUMONARY and CRITICAL CARE MEDICINE

ALLERGY and IMMUNOLOGY

Peer-Reviewed Articles:

Lauter CB, Koppisetty S. Recurrent idiopathic anaphylaxis in a woman after suspected food poisoning. Infectious Dis Clin Prac. 2018 May;26(3):138-140.

Abstracts with Associated Research Presentations:

Bebekoski TM, **Lauter CB**, Sims M. Correlation of antibiotic allergy frequency and problematic diagnosis. World Allergy Organization American Academy of Allergy, Asthma and Immunology (AAAAI), San Francisco, CA, March 2-5, 2018.

Lauter CB, Nyalakonda R, Fink-Bennett D. Recurrent pneumococcal meningitis in adults. Infectious Diseases Society of America (IDSA) ID Week, San Francisco, CA, October 3-7, 2018.

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GASTROENTEROLOGY and HEPATOLOGY

Peer-Reviewed Articles:

Aneese AM, **Ghaith G**

Gastroenterology and Hepatology

Peer-Reviewed Articles: continued

Shams, C, *Hakim S, Amin M, **Cappell MS**. Case report and literature review illustrating the clinical, endoscopic, radiologic, and histopathologic findings with prepouch ileitis after IPAA and restorative proctocolectomy for refractory ulcerative colitis. Case Rep Gastrointest Med. 2018 Jul 30;7506069.

Book Chapters or Full Book Publications:

Cappell MS, Lebwohl O. Hereditary hemorrhagic telangiectasia. In: Lebwohl MG, Heymann WR, Berth-Jones J, Coulson I, editors. Treatment of skin disease: Comprehensive therapeutic strategies. 5th ed. Philadelphia: Elsevier Limited; 2018. p. 329-332.

GENERAL INTERNAL MEDICINE

Peer-Reviewed Articles:

Adhikari A, Hafeez A, Halalau A. Cardiac dedifferentiated liposarcoma requiring a mitral valve replacement complicated by severe paravalvular leak: A rare case report with literature review. Case Rep Cardiol, published online September 4, 2018.

Aneese A,

General Internal Medicine

Peer-Reviewed Articles: continued

***Hakim S, Davila F,** Amin M, Hader I, Cappell M. Infectious Aortitis: A life threatening endovascular complication of nontyphoidal salmonella bacteremia. Case Rep Med, published online April 1, 2018.

Halalau A, Aneese A, Nasr J. The assessment of an evidence based medicine curriculum integration into an Internal Medicine residency program. J Gen Int Med, published online March 2018.

Halalau A, *Shelden D, *Keeney S, Hehar J. Pharm-MD: An open label, randomized controlled, phase II study to evaluate the efficacy of a pharmacist-managed diabetes clinic in high-risk diabetes patients: Study protocol for a randomized controlled trial. Trials. 2018 Aug 24;19(1):458.

Karmo D, Hafeez A, *Yadav S. Cardiac tamponade as the initial presentation of acute myeloid leukemia: A case report with review of literature. Case Rep Oncol Med, published online March 26, 2018.

Marijanovich N, Halalau A. Hemorrhagic tamponade as initial manifestation of systemic lupus with subsequent refractory and progressive lupus myocarditis resulting in cardiomyopathy and mitral regurgitation. Case Reports in Rheumatology, published online January 21, 2018.

Mando R, Barbat JJ, Vivacqua A. The mysterious mitral mass: A case of the valvular myxoma. Case Rep Cardiol, published online July 19, 2018.

Mando R, Muallem E, Meka SG, **Berghea R.** A blind spot in the diagnostic field: The challenging diagnosis of tumefactive multiple sclerosis. Case Rep Neurol Med published online June 27, 2018.

Nasr J, *Falatko J, Halalau A. The impact of critical appraisal workshops on residents' evidence based medicine skills and knowledge. Adv Med Educa Pract. 2018 Apr 18;9:267-272.

***Orosey M,** Amin M, Cappell M. A 14-year study of 398 esophageal adenocarcinomas diagnosed among 156,256 EGDs performed at two large hospitals: An inlet patch is proposed as a significant risk factor for proximal esophageal adenocarcinoma. Dig Dis Sci. 2018 Feb; 63(2):452-465.

Quiroz E, Aldoss I, Pullarkat V, Rego E, Marcucci G, Douer D. The emerging story of acute lymphoblastic leukemia among the Latin American population: Biological and clinical implications. Blood Rev, published online August 14, 2018.

Quiroz E, Hafeez A, Mando R, Yu Z, Momin F. A malignant squeeze: A rare cause of cardiac tamponade. Case Rep Oncol Med, published online September 23, 2018.

Said A, Halalau A. The curse of relieving pain. BMJ Case Rep, published online January 24, 2018.

Shams C, Cannon M, Bortman J, ***Hakim S.** Stone-induced purulent choledocoduodenal fistula presenting with ascending cholangitis. ACG Case Rep J, published online August 29, 2018.

General Internal Medicine

Peer-Reviewed Articles: continued

Shams C, Dalal B. Cannabis-induced hemoptysis: A rare complication of a commonly used illicit substance. *Chest.* 2018 Oct;154(4):800A.

Shams C, *Hakim S, Amin M, Cappell M. Case report and literature review illustrating the clinical, endoscopic, radiologic and histopathologic findings with prepouch ileitis after IPAA and restorative proctocolectomy for refractory ulcerative colitis. *Case Rep Gastrointest Med,*

General Internal Medicine

Abstracts with Associated Research Presentations: continued

Bastola S, *Lynch S, Siddiqi M. Henoch-Schönlein purpura in an adult: A rare cause of end stage renal disease. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, May 4, 2018.

Bushman J, Edupuganti S, *Maditz R, Halalau A. A quality improvement project to increase compliance with diabetes measures in an academic outpatient setting. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, October 13-15, 2018.

Cheah C, ***Jayaschandran V, Halalau A.** Asthma control and education (ACE): Use of an electronic teaching tool to improve resident skills, knowledge and self-efficacy for teaching of inhaled therapies. William M. Davidson Medical Education Week, Royal Oak, MI, May 14-18, 2018. 48th Annual Residents' and Fellows' Research Forum, Royal Oak, MI, May 22, 2018.

Edhi A. A very rare complication of Hepatitis A infection: Acute myocarditis. American College of Gastroenterology 2018, Philadelphia, PA, October 5-10, 2018.

Edhi A, Desai T, Rubenstein J. Association of helicobacter pylori infection and esophageal adenocarcinoma: A meta-analysis. American College of Gastroenterology 2018, Philadelphia, PA, October 5-10, 2018.

Edhi A, Gjeorgjievski M, Cutler A. Extrahepatic pancreatobiliary obstruction causing recurrent symptoms: Just another diverticulum? American College of Physicians (ACP) Michigan Chapter

General Internal Medicine

Abstracts with Associated Research Presentations: continued

Figueroa Rodriguez F, Uddin A, Nasr J. Asymptomatic pulmonary melanoma. An incidental finding while evaluating new onset cough. Society of General Internal Medicine (SGIM) Regional Midwest Annual Meeting, Chicago, IL, September 14, 2018.

***Fisher A.** A retrospective study analyzing the appropriateness of initial treatment of *clostridium difficile* in patients with active malignancy. 48th Annual Residents' and Fellows' Research Forum, Royal Oak, MI, May 22, 2018.

Halalau A, Aneese A, Nasr J. The assessment of an evidence-based medicine curriculum integration into an internal medicine residency program. National Society of General Internal Medicine, Denver, Colorado, April 11, 2018.

Hanna L. Hemophagocytic lymphohistiocytosis (HLH), a rare yet potentially fatal disorder in adults. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, October 13-15, 2018.

General Internal Medicine

Abstracts with Associated Research Presentations: continued

Karmo D, Odish F, Shoichet S. Sjogren's syndrome presenting as type 1 RTA. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, October 13-15, 2018.

KC O, Khanal D, Bastola S, Adhikari A, Pokharel A, Nito Y. *Chlamydia psittaci* pneumonia with no known avian contact: A rare presentation. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, May 4, 2018.

KC O, Khanal D, Bastola S, Adhikari A, Pokharel A, Nito Y. Delayed development of complex

General Internal Medicine

Abstracts with Associated Research Presentations: continued

Zhang C, Iftikhar H, Nair G. Attributes of hospitalized elderly compared to younger patients with interstitial lung disease. American College of Chest Physicians (Chest) Annual Meeting, San Antonio, TX, October 6-10, 2018.

GERIATRICS

Peer-Reviewed Articles:

Biedny S, Imam K, Hyde K, Kaur S, *Maddens ME, et al. Opportunities for antimicrobial stewardship in skilled nursing facilities. J Am Med Directors Assoc. 2018 Mar;19(3):B29.

Graham SF, Rey NL, Ugur Z, Yilmaz A, Sherman E, ***Maddens ME**, et al. Metabolomic profiling of bile acids in an experimental model of prodromal Parkinson's Disease. Metabolites. 2018 Oct 31;8(4):pii: E71.

Abstracts with Associated Research Presentations:

Biedny S. Opportunities for antimicrobial stewardship in skilled nursing facilities. American Medical Director's Association (AMDA), Grapevine, TX, March 21-24, 2018.

Graham S, Yilmaz A, An X, Vishweswaraiah S, Radhakrishna U, Bahado-Singh R, et al, [***Maddens ME**]. An integrated omics approach for the study of mild and severe Alzheimer's Disease in post-mortem human brain. Gerontological Society of America (GSA), Boston, MA, November 14-18, 2018.

Wang L, **Pai A, Hyde K.** The pee, or not the pee, that is the question: Over-diagnosis of urinary tract infections among skilled nursing facility residents re-admitted to hospital within 30 days of hospital discharge. American Geriatrics Society (AGS), Orlando, FL, May 3-5, 2018.

INFECTIOUS DISEASES

Peer-Reviewed Articles:

Darlin S, Fennell TR, Holmes BA, **Chittick P**

Infectious Diseases

Invited Research Presentations:

Bergin SP, Coles A, Calvert SB, Farley J, Santiago J, **Sims MD**, et al. Predicting pneumonia in hospitalized patients in the ICU: A model and scoring system. Infectious Disease Society of America ID Week, San Francisco, CA, October 3-7, 2018.

Mopuru H, **Powell K, Sims MD**. Rapid fire talk: Evaluation of a rapid highly multiplexed molecular diagnostic lower respiratory panel for clinical impact and antibiotic stewardship. American Society for Microbiology (ASM) Microbe, Atlanta, GA, June 7-10, 2018.

Pereira Rodrigues O, **Sims MD**. Outcome based study of carbapenem use relative to ESBLs (OBSCURE). Michigan Infectious Diseases Society Annual Scientific Meeting Royal Oak, MI, March 17, 2018.

Siljander M, Wright J, Baker E, Gehrke C, **Powell K, Sims MD**, et al. Antibacterial and osseointegrative efficacy of titania nanotube surfaces. Michigan Orthopaedic Society Annual Scientific Meeting, Mackinac Island, MI, June 22-24, 2018.

NEPHROLOGY

Peer-Reviewed Articles:

Kellerman PS. Old friends: Maintaining the physician-patient relationship in the 21st Century. Am J Kidney Dis. 2018 Mar;71(3)A12-A13.

Vercellone J, Cohen L, Mansuri S, Zhang PL, Kellerman PS. Bartonella endocarditis mimicking crescentic glomerulonephritis with PR3-ANCA positivity. Case Rep Nephrol. 2018 Aug 19; 2018;ID 9607582.

Book Chapter or Full Book Publications:

Kellerman PS. IgA nephropathy. In: Ferri, FF, editor. Ferri's clinical advisor 2018: 5 books in 1 (Ferri's Medical Solutions). Philadelphia: Elsevier, 2018. p.693-694.

Cohen L.

NEUROLOGY

Peer-Reviewed Articles:

Fortunato J, Wasserman JA, **Menkes DL**. Placebo analgesia as nocebo reduction. *AJOB Neuroscience*. 2018;9:198-199.

Klaver AC, Coffey MP, Aasly JO, **Loeffler DA**. CSF lamp2 concentrations are decreased in female Parkinson's disease patients with LRRK2 mutations. *Brain Res*. 2018;1683:12-16.

Loeffler DA, Klaver AC, Coffey M, Aasly JO. Cerebrospinal fluid concentration of key autophagy protein lamp2 changes little during normal aging. *Front Aging Neurosci*. 2018;10:130.

Mahajan A, **Zillgitt A**, Alashamma A, et al. Cervical dystonia and executive function: A pilot magnetoencephalography study. *Brain Sci*. 2018;8(9).pii:E159.

Mahajan A, **Zillgitt A**, Bowyer SM, Sidiropoulos C. Sensory trick in a patient with cervical dystonia: Insights from magnetoencephalography. *Brain Sci*. 2018;8(4).pii:E51.

Sonoo M, **Menkes DL**, Bland JDP, Burke D. Nerve conduction studies and EMG in Carpal Tunnel Syndrome: Do they add value? *Clinical Neurophysiology Practice*. 2018; 3:78-88.

Viarasilpa T, Panyavachiraporn N, Osman G, **Parres C**, Varelas P, Van Harn M, et al. Electrographic seizures in patients with acute encephalitis. *Neurocrit Care*, published online September 10, 2018.

Zillgitt A, Alshamma A, Kahn MS, Madani S, Zahoor S, Air EL. Post-operative nonketotic hyperglycemic induced focal motor status epilepticus related to treatment with corticosteroids following standard anterior temporal lobectomy. *Epilepsy Behav Case Rep*. 2018;10:124-128.

Abstracts with Associated Research Presentations:

Simon A, **Menkes DL**. Cyclophosphamide as a rescue agent in myasthenic crisis. American Association of Electrodiagnostic Medicine, Washington, DC, October 10-13, 2018.

NUTRITION and PREVENTIVE MEDICINE

Peer-Reviewed Articles:

Lynch A, Reznar MM, **Zalesin KC**, Bohn D. To keep myself on track: The impact of dietary and weight monitoring behaviors on weight loss after bariatric surgery. *Bariatric Surgical Practice and Patient Care*, published online March 1, 2018.

Lynch A, McGowen E, **Zalesin KC**. Take me through the history of your weight: Using qualitative interviews to create personalized weight trajectories to understand the development of obesity in patients preparing for bariatric surgery. *J Acad Nut Diet*. 2018 Sep;118(9):1644-1654.

Abstracts with Associated Research Presentations:

Lloyd E, **Miller WM**, Franklin B. Demographic characteristics, motivators and feedback of participants attending health system-based cooking classes. Class of 2018 Embark Capstone Colloquium, Pontiac, MI, March 15, 2018.

Lynch A, **Zalesin KC**.

PULMONARY and CRITICAL CARE MEDICINE

Peer-Reviewed Articles:

Ahlstrom E, Adas J, **Keena D**. Midodrine toxicity and posterior reversible encephalopathy syndrome. Crit Care Med. 2018 Jan;46(1):360.

Lanni TB, Stevens C, Farah M, Welsh R, **Keena D**, Mezwa D. Early results from the implementation of a lung cancer screening program: The Beaumont Health experience. Am J Clin Oncol. 2018 Mar;41(3):218-222.

Radovanovic D, Sotgiu G, Jankovic M, Aliberti S, Reyes LF, Restrepo MI, et al, [**Nair G**]. An international perspective on hospitalized patients with viral community-acquired pneumonia. Eur J Intern Med, published online November 4, 2018.

Restrepo MI, Babu BL, Reyes LF, Chalmers JD, Soni NJ, Sibila O, et al, [**Nair G**]. Burden and risk factors for pseudomonas aeruginosa community-acquired pneumonia: Multinational point prevalence study of hospitalized patients. Eur Respir J. 2018 Aug 9;52(2). pii: 1701190.

Book Chapter or Full Book Publications:

Dalal B, Quinn TJ, Foster L, Lin M, Matthews M, Yuhan B. Ligand-directed tumor targeting with hybrid viral phage nanoparticles. In: Grumezescu AM, editor. Drug targeting and stimuli sensitive drug delivery systems. Cambridge, MA: William Andrew Publishers; Elsevier, 2018. p.483-516.

Nair GB, Nieerman MS. Acute infectious pneumonia. In: Irwin RS, Lilly CM, Mayo PH, Rippe JM, editors. Irwin & Rippe's Intensive care medicine. 8th ed. Philadelphia: Lippincott Williams & Wilkins, 2018. p.1686-1710.

Abstracts with Associated Research Presentations:

Cheah C, Jayaschandran V, *Christensen P, **Nair GB**, Halalau A. Asthma control and education (ACE): Use of an electronic teaching tool to improve resident skills, knowledge and self-efficacy for teaching of inhaled therapies. Medical Education Week, Oakland University William Beaumont School of Medicine, Royal Oak, MI, May 14-18, 2018.

*Christensen P, Sarode D, Corral S, Albear S, **Nair GB**. In 'cysting' on a diagnosis of Sjogren's syndrome. American Thoracic Society International Conference, San Diego, CA, May 18-23, 2018.

Dereski M, Pittiglio L, Lerchenfeldt S, **Patel V**, **Dalal B**. Integration of simulation early in undergraduate medical education enhances student critical thinking. International Association of Medical Science Educators Annual Meeting, Las Vegas, NV June 9-12, 2018.

Figuroa F, **Iftikhar H**, **Nair GB**, Schloop M. A case of non-bacterial thrombotic endocarditis in a patient with lung adenocarcinoma. American College of Chest Physicians Annual Meeting, San Antonio, TX, October 6-10, 2018.

Pulmonary and Critical Care Medicine

Invited Research Presentations: continued

Krater R, **Patel V**. Chronic hemoptysis: Manifestation of a rare, obscure and fatal diagnosis. American Thoracic Society International Conference, Diego, CA, May 18-23, 2018.

Lynch S, Wilson M, Chacko R, **Mina N, Nair GB**. Trip across midline: An unusual case of central line cannulation into persistent left superior vena cava. Society of Critical Care Medicine (SCCM) Annual Meeting, San Antonio, TX, February 25-28, 2018.

Quiroz E, Figueroa F, **Bozyk PD, Keena D**. Brothers from another mother? A case of benign metastasizing leiomyoma with features of lymphangiomatosis. American College of Physicians Annual meeting August 2018.

Sczepanski M, **Bozyk PD**. Institutional incidence of TPA-induced angioedema in ischemic cerebral vascular accidents. American Thoracic Society International Conference, San Diego, CA, May 18-23, 2018.

Willner C, **Bozyk PD**. A risk-factor derived, equation-based approach as a predictor for severe sepsis/septic shock and associated clinical outcomes. American Thoracic Society International Conference, San Diego, CA, May 18-23, 2018.

Willner CA, **Bozyk PD**, Rizk M. Feel the squeeze: Cerebral vasospasm in high-grade lymphoma. American Thoracic Society International Conference, San Diego, CA, May 18-23, 2018.

NURSING

Peer-Reviewed Articles:

Campbell D. Implementing bedside handoff in the emergency department: A practice improvement project. *J Emerg Nurs.* 2018 Oct;1-6.

Golinski M, Hranchook A. Events during cosmetic surgery: A thematic analysis of closed claims. *AANA J.* 2018; 86(2):127-136.

Golinski M, Wright S, Crosson J. Improve patient safety! Recognizing and preventing residual neuromuscular blockade. Supplement to *AANA Journal.* 2018 Oct;86(5):1-11.

Golinski M. Identifying patterns and meanings across the AANA foundation closed claim dataset using thematic analysis methods. *AANA Journal.* 2018;86(1):27-31.

Golinski M. The comparative preemptive analgesic efficacy of addition of vitamin B complex to gabapentin versus gabapentin alone in women undergoing cesarean section under spinal anesthesia: A prospective randomized double-blind study. *Anesthesia Abstracts.* 2018;12(5).

Golinski M. Gabapentin as an adjuvant therapy for prevention of acute phantom-limb pain in pediatric patients undergoing amputation for malignant bone tumor: A prospective double-blind randomized controlled trial. *Anesthesia Abstracts.* 2018;12:(5).

Golinski M. Role of preemptive gabapentin on postoperative analgesia after infraumbilical surgeries under subarachnoid block-A randomized placebo-controlled, double-blind study. *Anesthesia Abstracts.* 2018;12(5).

Golinski M. The effect of magnesium sulfate on postoperative pain in upper limb surgeries by supraclavicular block under ultrasound guidance. *Anesthesia Abstracts.* 2018;12(7).

Golinski M. The impact of single low dose IV magnesium sulfate adjuvant to ultrasound guided transversus abdominis plane block for control of post-cesarean pain. *Anesthesia Abstracts.* 2018;12(7).

Golinski M. Magnesium sulfate improves postoperative analgesia in laparoscopic gynecologic surgeries: A double-blind randomized controlled trial. *Anesthesia Abstracts.* 2018;12(7).

Golinski M. Multimodal analgesia decreases opioid consumption after shoulder arthroplasty: A prospective cohort study. *Anesthesia Abstracts.* 2019;12(9).

Golinski M. A randomized comparison between intravenous and perineural dexamethasone for ultrasound-guided axillary block. *Anesthesia Abstracts.* 2018;12(9).

Golinski M. Cost-effectiveness of intravenous acetaminophen and ketorolac in adolescents undergoing idiopathic scoliosis surgery. *Anesthesia Abstracts.* 2018;12(9).

Obstetrical / Gynecological Services

Peer-Reviewed Articles: continued

*Ogunyemi D, **McGlynn S**, **Ronk A**, *Knudsen P, **Andrews-Johnson T**, **Racziewicz A**, et al, [**Kaur S**, **Dykowski M**, **Redman M**, **Bahado-Singh RO**]. Using a multifaceted quality improvement initiative to reverse the rising trend of cesarean births. J Matern Fetal Neonatal Med. 2018;31(5):567-579.

Pan X, Passmore P, **Graham SF**, Todd S, McGuinness B, Green BD. Significant age-related

Obstetrical / Gynecological Services

Abstracts with Associated Research Presentations: continued

Shah IM, **Ronk A**, *Ogunyemi D. Attitudes and perceptions of healthcare providers regarding safe reduction of cesarean section. Annual Clinical Meeting (ACM) of the American College of Obstetricians and Gynecologists, Austin, TX, April 27-29, 2018.

Sonek J, **Bahado-Singh RO**, McKenna D, Cool D, Bjorndahl T, Han B, et al, [**Yilmaz A, Graham SF, Friedman P**]. Amniotic fluid metabolomics and targeted proteomics in prediction of preterm birth. AJOG. 2018;281(1):S432, 718. Society for Maternal Fetal Medicine 38th Annual Conference, Houston, TX, January 29-February 23, 2018.

Taylor R, Friedman P, Kim SK, Wozniak A, *Jovanovski A, *Ogunyemi D. Temporal and quantitative associations of electronic fetal monitoring with outcomes. Annual Clinical and

OPHTHALMOLOGY

Peer-Reviewed Articles:

Abramson DH, **Folberg R**, Francis JH. Clinicopathologic correlation of choroidal invasion in retinoblastoma. JAMA Ophthalmol. 2018 Jun 14;136(6):e180940.

Akpek EK, Amescua G, Farid M, Garcia-Ferrer FJ, Lin A, Rhee MK, et al, [**Dunn SP**]. Dry eye syndrome preferred practice pattern®. Ophthalmology, published online October 23, 2018.

Alapati A, **Trese MT**. A retrospective analysis of the timing of initial treatment of bedside-screened versus photographically screened eyes with retinopathy of prematurity. Ophthalmic Surg Lasers Imaging Retina. 2018 Sep 1;49(9):e32-e35.

Amescua G, Akpek EK, Farid M, Garcia-Ferrer FJ, Lin A, Rhee MK, et al, [**Dunn SP**]. Blepharitis preferred practice pattern®. Ophthalmology, published online October 23, 2018.

Capone A Jr. Telemedicine making ROP screening and monitoring a viable reality. Modern Retina/Ophthalmology, published online January 8, 2018.

*De la Huerta *Yonekawa Y, *Thomas BJ, **Capone A Jr**. A surgical technique for the management of tractional retinal detachment in aggressive posterior retinopathy of prematurity treated with intravitreal Bevacizumab. Retina, published online September 1, 2018.

Egan C, **Randhawa S**,

Ophthalmology

Peer-Reviewed Articles: continued

Lin A, Rhee MK, Akpek EK, Amescua G, Farid M, Garcia-Ferrer FJ, et al, [Dunn SP]. Bacterial keratitis preferred practice pattern®. American Academy of Ophthalmology Preferred Practice Pattern Cornea and External Disease Panel. Ophthalmology, published online October 23, 2018. 2019 Jan;almo283.19(o)9(A)-3.:5.1((e)-18)-3.9-7(5 Q q5)-6(o..9(b)-4(d(o)7(,)-287

Ophthalmology

Peer-Reviewed Articles: continued

Ophthalmology

Abstracts with Associated Research Presentations: continued

Jeng-Miller Karen,

Ophthalmology

Invited Research Presentations: continued

Capone Jr A. Instructor: Cases and clinical pearls: Advances in the management of pediatric vitreoretinal disorders. American Academy of Ophthalmology Meeting, Chicago, IL, October 27-30, 2018.

Capone Jr A. Instructor: Management of high-risk retinopathy of prematurity in the 21st century: Thermal-destructive vs. pharmacologic treatment. Instructor: Management of high-risk retinopathy of prematurity in the 21st century: Thermal-destructive vs. pharmacologic treatment. American Academy of Ophthalmology Meeting, Chicago, IL, October 27-30, 2018.

Capone Jr A. Instructor: Ophthalmic telemedicine. Retina Subspecialty Day. American Academy of Ophthalmology Meeting, Chicago, IL, October 27-30, 2018.

Drenser KA. Chairperson/Speaker: Pediatric retinal surgery. The 18th Congress of the European Society of Retina Specialists (EURETINA), Vienna, Austria, September 20-23, 2018.

Drenser KA. Management of high-risk retinopathy of prematurity in the 21st century: Thermal destructive vs. pharmacologic treatment. Ophthalmic telemedicine: Retinopathy of prematurity remote monitoring a new hardware and software. American Academy of Ophthalmology Annual Meeting, Chicago, IL, October 27-30, 2018.

Dunn SP. Factors associated with graft rejection in the corneal preservation time study. Cornea Society/Eye Bank Association of America (EBAA) Meeting, Chicago, IL, October 25-26, 2018.

Dunn SP. Symposium moderator: Jewel or junk: New corneal technologies, medications and surgical procedures. American Academy of Ophthalmology Annual Meeting, Chicago, IL, October 27-30, 2018.

Dunn SP. Corneal edema and opacification. American Academy of Ophthalmology Annual Meeting, Chicago, IL, October 27-30, 2018.

Faia LJ. Uveitis: Past, present, and future. *Wichita Journal of Science, Education, and the Arts* 4(3):1-10 (2018).
Original Source: <https://doi.org/10.21969/wjsea.v4n3.10>

Ophthalmology

Invited Research Presentations: continued

Hassan TS. Potentially unnecessary steps during retinal detachment repair. 37th Annual Squaw Valley Retinal Symposium, Lake Tahoe, CA, February 1-4, 2018.

Hassan TS. Intravitreal steroid use in the management of cystoid macular edema unrelated to diabetic macular edema or retinal vein occlusion. 37th Annual Squaw Valley Retinal Symposium, Lake Tahoe, CA, February 1-4, 2018.

Hassan TS. Current and future state of in office vitrectomy. 37th Annual Squaw Valley Retinal Sympemy. 37

Ophthalmology

Invited Research Presentations: continued

Williams GA. OMIC discussion: Malpractice related to EMRs. 20th Annual American Society of Retinal Specialists (ASRS) Business of Retina Meeting, Dallas, TX, March 10-11, 2018.

Williams GA. Medicare and ophthalmology in 2018 and beyond initial retinal studies in iris, the tip of the iceberg, Visiting Professor, Ophthalmology Clinical Conference, University of Iowa Clinical Conference, Iowa City, IA, February 2, 2018.

Williams GA. Expert discussant: The business of retina. American Academy of Ophthalmology, Chicago, IL, October 27-30, 2018.

Williams GA. Council Opening Session: Drugs: What's next? American Academy of Ophthalmology, Chicago, IL, October 27-30, 2018.

Williams GA. Council Subspecialty/Specialized Interest Section Meeting: Prior authorization

ORTHOPAEDIC SURGERY

Peer-Reviewed Articles:

Beall DP, Chambers MR, Thomas S, Amburgy J, Webb JR Jr, **Easton RW**, et al. Prospective and multicenter evaluation of outcomes for quality of life and activities of daily living for balloon kyphoplasty in the treatment of vertebral compression fractures: The EVOLVE Trial. Neurosurgery, published on-line, March 14, 2018.

*Chae J, **Siljander MP**, **Wiater JM**. Instability in reverse total shoulder arthroplasty. J Am Acad Ortho Surg. 2018 Sep 1;26(17):587-96.

Coustry F, Posey KL, *Maerz T, **Baker KC**, Abraham AM, Ambrose CG, et al, [**Newton M**]. Mutant cartilage oligomeric matrix protein (COMP) compromises bone integrity joint function and the balance between adipogenesis and osteogenesis. Matrix Biol. 2018 Apr;67:75-89.

Orthopaedic Surgery

Peer-Reviewed Articles: continued

Jacobs CA, Peabody MR, Duncan ST, Muchow RD, Nunley RM; ANCHOR Group, et al, [Zaltz I]. Development of the HOOS Global to assess patient-reported outcomes in patients

Orthopaedic Surgery

Peer-Reviewed Articles: continued

Newton MD, Hartner SE, Gawronski K, Davenport EJ, Timmons SC, **Baker KC**, et al. Nondestructive indirect assessment of the biomechanical properties of the rat intervertebral disc using contrast-enhanced σ CT. *J Ortho Res*. 2018 Jul;36(7):2030-2038.

Newton MD, Hartner SE, Gawronski K, *Maerz T. Error introduced by common reorientation algorithms in the assessment of rodent trabecular morphometry using micro-computed tomography. *J Orthop Res*. 2018 Oct;36(10):2762-2770.

*Pangrazzi GJ, **Baker EA**, Shaheen PJ, *Okeagu CN, **Fortin PT**. Single-surgeon experience and complications of a fixed-bearing total ankle arthroplasty. *Foot Ankle Int*. 2018 Jan;39(1):46-58.

*Perry CR Jr, **Fahs AM, Kurdziel MD, Koueiter DM**, Fayne RJ, **Verner JJ**. Intraoperative psoas compartment block vs. preoperative fascia iliaca block for pain control after direct anterior total hip arthroplasty: A randomized controlled trial. *J Arthroplasty*. 2018 Jun;33(6):1770-74.

*Ricart PH, **Gandhi SD**, *Geisinger J, **Baker KC, Park DK**. Clinical and CT analysis of lumbar spine arthrodesis: B-tricalcium phosphate versus demineralized bone matrix. *J Am Acad Orthop Surg Glob Res Rev*. 2018 Sep 12;2(9):e024.

Sankar WN, Novais E, **Koueiter DM**, Refakis C, Sink E, Millis MB, et al, [**Zaltz I**]. Analysis of femoral version in patients undergoing periacetabular osteotomy for symptomatic acetabular dysplasia. *J Am Acad Orthop Surg*. 2018 Aug 1;26(15):545-51.

Siljander MP, Baker EA, Baker KC, *Salisbury MR, **Thor CC, Verner JJ**. Fretting and corrosion damage in retrieved metal-on-polyethylene modular total hip arthroplasty systems: What is the importance of femoral head size? *J Arthroplasty*. 2018 Mar;33(3):931-38.

Siljander MP, Sobh AH, Baker KC, Baker EA, Kaplan L. Multi-drug resistant organisms in the setting of periprosthetic joint infection: Diagnosis, prevention and treatment. *J Arthroplasty*. 2018 Jan;33(1):185-94.

Siljander MP, Koueiter DM, Gandhi S, Wiater BP, Wiater PJ. Outcomes following low-profile mesh plate osteosynthesis of patella fractures. *J Knee Surg*. 2018 Oct;31(9):919-26.

Siljander MP, McQuivey KS, **Fahs AM, Galasso LA**, Serdahely KJ, **Karadsheh MS**. Current trends in patient-reported outcome measures in total joint arthroplasty: A study of 4 major orthopaedic journals. *J Arthroplasty*. 2018 Nov;33(11):3416-3421.

Simha S, *Shields EJW, **Wiater JM**. Periprosthetic infections of the shoulder. *JBJS Rev*. 2018 Sep;6(9):e6.

Sobh AH, *Brown L, **Moore DD**. Intramuscular hemangioma after total hip arthroplasty: An iatrogenic etiology. *Arthroplast Today*. 2018 Dec;4(4):417-20.

Sobh AH, Koueiter DM, Mells A, Siljander MP, Karadsheh MS. The role of aspirin and unfractionated heparin combination therapy immediately after total hip and knee arthroplasty. *Orthopedics*. 2018 May 1;41(3):171-76.

Orthopaedic Surgery

Peer-Reviewed Articles: continued

Sobh AH, Siljander MP, Mells AJ, Koueiter DM, Moore DD, Karadsheh MS. Cost analysis, complications and discharge disposition associated with simultaneous vs. staged bilateral total knee arthroplasty. J Arthroplasty. 2018 Feb;33(2):320-23.

Wilhelm SK, Henrichsen JL, **Siljander MP, Moore DD, Karadsheh MS.** Polyethylene in total knee arthroplasty: Where are we now? J Ortho Surg (Hong Kong). 2018 May-Aug;26(3):2309499018808356.

Book Chapter or Full Book Publications:

Easton RW.

Orthopaedic Surgery

Orthopaedic Surgery

Orthopaedic Surgery

Invited Research Presentations: continued

Baker KC. Update on the basic science of degenerative disc disease. Instructional Course Lecture, Lumbar Spine Research Society, Chicago, IL, April 4-6, 2018.

Fischgrund JS. Spine deformity. Sun Yat-sen Memorial Hospital, Guangdong, China, November

Pathology and Laboratory Medicine

Abstracts with Associated Research Presentations:

Cousineau C, Kanaan HD, Li W, **Zhang PL**. Acute tubular injury (ATI) secondary to thrombotic microangiopathy can be morphologically different from primary ATI due to ischemia. The United States and Canadian Academy of Pathology (USCAP) Annual Meeting, Vancouver, Canada, March 17-23, 2018.

Cousineau C, Qu ZH, **Zhang PL**. Progenitor cell marker CD133 positive staining can confirm high grade colonic dysplasia. College of American Pathologists (CAP) Annual Meeting, Chicago, IL, October 20-24, 2018.

Crone CA, Owusu-Banahene A, Boyanton Jr BL, **Robinson-Dunn B**. Use of MALDI-ToF to diagnose a case of rat bite fever. Michigan Infectious Diseases Society Annual Meeting, Royal Oak, MI, March 2018.

Gupta A, Liu B, Li Z, **Zhang PL**. Absence of tubuloreticular inclusions (TRI) in a transgenic mice model of lupus-like nephritis. The United States and Canadian Academy of Pathology (USCAP) Annual Meeting, Vancouver, Canada, March 17-23, 2018.

Lai Z, Kanaan HD, Li W, **Zhang PL**. Profiles of monoclonal gammopathy with renal significance (MGRS) versus heavy burden cases of monoclonal nephropathy. College of American Pathologists (CAP) Annual Meeting, Chicago, IL, October 20-24, 2018.

Kennedy T, Simkowski K, Sykes E, Carey-Ballough R, Kern C. The effect of 37°C temperature on the stability of routine chemistry analytes in serum. AACC Clin Chem 64: A-248. American Association for Clinical Chemistry National Meeting, Chicago, IL, July 29-August 2, 2018.

Zhang PL, Yin W, Macknis JK, Bonventre JV. Kidney injury molecule-1 (KIM-1) identifies antemortem injury in fetal postmortem kidney. Annual Meeting of American Society of Nephrology, San Diego, CA, October 23-28, 2018.

Invited Research Presentations:

Ducatman BS. Benchmarking academic anatomic pathologists: An evidence-based approach. Association of Directors of Anatomic and Surgical Pathology Annual Meeting, Washington, DC, March 16, 2019.

Ducatman BS. Successful negotiation in your current job. Pathologist-in-Training Evening Specialty Conference. The United States and Canadian Academy of Pathology (USCAP) Annual Meeting, Vancouver, Canada, March 17-23, 2018.

Ducatman BS. Pancreatic FNA in the age of EUS. Great Lakes Pathology Conference,

PEDIATRIC SERVICES

Peer-Reviewed Articles:

Arianpour K, Forman SN, Karabon P, **Thottam PJ**. Pediatric acquired subglottic stenosis: Associated costs and comorbidities of 7,981 hospitalizations. *Int J Pediatr Otorhinolaryngol*, published online November 13, 2018.

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Hakim S, Ramireddy S, Amin M, **Gebara S**, Cappel M. Preoperative misdiagnosis of intestinal Beh et's Syndrome as Crohn's Disease based on superficial colonoscopic biopsies: Case report and systematic review. *Dig Dis Sci*. 2018 Dec;63:3509-3515.

Mukherjee D, Coffey M, **Maisels MJ**. Frequency and duration of phototherapy in preterm infants < 35 weeks gestation. *J Perinatol*. 2018 Sept;38(9):1246-1251.

Mukherjee D, **Sopczynski B**, **Espinosa M**, **Brahmamdham P**. Gastric diverticulum causing gastric outlet obstruction in the setting of duodenal atresia. *J Ped Surg Case Rep*. 2018;31: 84-87.

Nolan D, Lester SG, Rau SM, Shellhaas RA. Clinical use and efficacy of Levetiracetam for absence epilepsies. *J Child Neurol*, published online November 21, 2018.

Sahai S, Kamat D. Common problems in general pediatrics. *Pediatric Annals*.

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Pediatric Services

Peer-Review Articles: continued

Wasserman JA

Pediatric Services

Abstracts with Associated Research Presentations: continued

Hastings C, **Gowans LK**

Pediatric Services

Abstracts with Associated Research Presentations: continued

Michon AM, Miceli S, Meagher L, Wolford C, **Shaw A**, **Arndt DH**. Ketogenic diet in diabetes mellitus type 1. American Epilepsy Society Annual Meeting, New Orleans, LA, November 30-December 4, 2018.

Novotny NM

PHARMACEUTICAL SERVICES

Peer-Reviewed Articles:

***Burgos KD, *Sienko SE, Hoffman JL, Koerber JM, Smythe MA.** Characteristics, management, and outcomes of patients with atrial fibrillation experiencing a major bleeding event while on rivaroxaban. Clin Appl Thromb Hemost. 2018 Mar;24(2): 372-378.

Eisho S, *Salem NM, Hoffman JL, Koerber JM, Smythe MA. Major bleeding with apixaban in atrial fibrillation: Patient characteristics, management, and outcomes. Hosp Pract. 2018 Oct;46(4):165-9.

Invited Research Presentations:

Braekevelt K, Vendittelli B, Fett J, Kline E, Priziola, J. Creation, implementation, and evaluation of pharmacist-led Medicare part D open enrollment events. American Society of Health-System Pharmacists Midyear Clinical Meeting, Anaheim, CA, December 2-6, 2018.

***Chu PS, Koerber JM, Smythe MA.** Evaluation of alternative anticoagulant use in heparin-induced thrombocytopenia. 6th Annual Ohio Pharmacy Resident Conference, Ada, OH, May 18, 2018.

Feleke A, Fuller R, Ismail R, Cadiz M. Characterization of patients requiring high-dose insulin infusion for the management of hyperglycemia. 78th American Diabetes Association Scientific Sessions, Orlando, FL June 22-26, 2018.

Mertz S, Chehab F, Hoffman JL, Koerber JM, Smythe MA. Evaluation of anti-inhibitor coagulant complex for acute hemorrhagic reversal in patients receiving apixaban and rivaroxaban. American Society of Health-System Pharmacists Midyear Clinical Meeting, Anaheim, CA, December 2-6, 2018.

PHYSICAL MEDICINE AND REHABILITATION

Peer-Reviewed Articles:

Physical Medicine and Rehabilitation

Invited Research Presentations: continued

Ysunza A.

RADIATION ONCOLOGY

Peer-Reviewed Articles:

Abuodeh Y, Naghavi, AO, Echevarria M, DeMarco M. Tonner B, Feygelman V, et al, [**Stevens CW**]. Quantitatively excessive normal tissue toxicity and poor target coverage in postoperative lung cancer radiotherapy meta-analysis. Clin Lung Cancer. 2018 Jan;19(1).

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Blas K, *Tonlaar N, **Galoforo S**, Ahmed S, **Wilson TG**, *Marples B, et al, [**Wilson GD**]. Dual blockade of PI3K and MEK in combination with radiation in head and neck cancer. Clinical and Translational Radiation Oncology. 2018; 11:1-10.

Bristow R, Alexander B, Baumann M, Bratman SV, Brown JM, Camphausen K, et al, [**Wilson GD**]. Combining precision radiotherapy with molecular targeting and immunomodulatory agents:

Radiation Oncology

Peer-Reviewed Articles: continued

Cordeiro D, Xu Z, Mehta GU, Ding D, Vance ML, Kano H, et al, [**Grills IS, Lee KC**]. Hypopituitarism after gamma knife radiosurgery for pituitary adenomas: A multicenter, international study. J Neurosurg, published online November 9, 2018.

David JM, Gresham G, Jabbour SK, Deek M, Thomassian S, **Robertson JM**, et al. Neoadjuvant PET and MRI- based intensity modulated radiotherapy leads to less toxicity and improved pathologic response rates in locally advanced rectal cancer. J Gastrointest Oncol. 2018;9(4):641-649.

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Peer-Reviewed Articles: continued

Radiation Oncology

Peer-Reviewed Articles: continued

Liu G, Hu F, **Ding X**, **Li X**, Shao Q, Wang Y, et al. Simulation of dosimetry impact of 4DCT uncertainty in 4D dose calculation for lung SBRT. *Rad Oncol*, published online November 21, 2018.

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McKee C, Beeravolu N, Bakshi S, Thibodeau B, **Wilson GD**, Perez-Cruet M, et al. Cytotoxicity of radiocontrast dyes in human umbilical cord mesenchymal stem cells. *Toxicol Appl Pharmacol*. 2018 Jun;349:72-82.

Mehta GU, Zenonos G, Patibandla MR, Lin CJ, Wolf A, **Grills IS**, et al. Outcomes of stereotactic radiosurgery for foramen magnum meningiomas: An international multicenter study. *J Neurosurg*. 2018 Aug;129(2):383-389.

Matuszak MM, Paximadis P, Yudelev M, Grubb M, Wilson ML, Fraser C, et al, [**Grills IS**]. Managing motion in conventionally fractionated lung cancer radiation therapy: Collaborative quality improvement from a statewide consortium of academic and community practices. *Pract Radiat Oncol*. 2018 Jul - Aug;8(4):e208-e211.

Pomeraniec IJ, Kano H, Xu Z, Nguyen B, **Siddiqui ZA**, Silva D, et al, [**Grills IS**]. Early versus late gamma knife radiosurgery following transsphenoidal surgery for nonfunctioning pituitary macroadenomas: A multicenter matched-cohort study. *J Neurosurg*. 2018 Sep;129(3):648-657.

Patibandla MR, Ding D, Kano H, Xu Z, Lee JYK, Mathieu D, et al, [**Grills IS**]. Stereotactic radiosurgery for Spetzler-Martin grade IV and V arteriovenous malformations: An international multicenter study. *J Neurosurg*. 2018 Aug;129(2):498-507.

Paximadis P, Schipper M, Matuszak M, Feng M, Jolly S, Boike T, et al, [**Grills IS**, **Gustafson G**]. Dosimetric predictors for acute esophagitis during radiation therapy for lung cancer: Results of a large statewide observational study. *Pract Radiat Oncol*. 2018 May-Jun;8(3):167-173.

Prabhu AH, **Kant S**, **Kesarwani P**, Ahmed K, Forsyth P, Nakano I, et al, [**Chinnaiyan P**]. Integrative cross-platform analyses identify enhanced heterotrophy as a metabolic hallmark in glioblastoma. *Neuro Oncol*, published online November 10, 2018.

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Radiation Oncology

Peer-Reviewed Articles:

Radiation Oncology

Peer-Reviewed Articles: continued

*Sura K, Lischalk JW, **Grills IS**, Mundt AJ, Wilson LD, Vapiwala N. Contemporary analysis of the prevalence of illegal match questions during medical student residency interviews. Int J Radiat Oncol Biol Phys. 2018 Mar 15;100(4):1075-1078.

Radiation Oncology

Peer-Reviewed Articles: continued

Xu Z, Mathieu D, Heroux F, Abbassy M, Barnett G, Mohammadi AM, et al, [**Grills IS, Lee K**]. Stereotactic radiosurgery for trigeminal neuralgia in patients with multiple sclerosis: A multicenter study. Neurosurgery, published online April 23, 2018.

*Zhou D, Quan H, **Yan D, Chen S, Qin A, Stanhope CW**, et al, [**Liang J**]. A feasibility study of intra-fractional tumor motion estimation based on 4D-CBCT using diaphragm as surrogate. J Appl Clin Med Phys 2018. Sep;19(5):525-531.

Book Chapter or Full Book Publications:

Chen PY. Trigeminal neuralgia. In: Cheng EL, Brown P, Lo SS, Saghal A, Suh JH, editors. Adult CNS radiation oncology: principles and practice. Cham, Switzerland: Springer, 2018. p.499-516.

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Abstracts with Associated Research Presentations:

Arden JA, *Johnson MD, **Ye H, Marvin K, Maitz A**, Fahim D, et al, [**Ducharme E, Manders MD, Chinnaiyan P, Chen PY, Grills IS**]. Quality of life, survival, and recurrence patterns following adjuvant stereotactic radiosurgery for resected brain metastases. Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Antonio, TX, October 21-24, 2018.

Boike TP, Griffith K, Jagsi R, Moran JM, Radawski J, **Dilworth JT**, et al. Utilization and toxicity of breast boost radiation therapy following hypofractionated whole breast irradiation: Comparative analysis of a large, statewide multicenter cohort. Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Antonio, TX, October 21-24, 2018.

Castillo E. Therapy response prediction using deformable image registration based CT ventilation imaging. Society for Industrial and Applied Mathematics (SIAM) Annual Meeting, Portland, OR, July 9-13, 2018.

Castillo E, Castillo R, Vinogradskiy Y, *Solis D, **Thompson A, Guerrero TM**. Cone beam CT-ventilation from mass conserving point cloud density functions. Annual Meeting of American Association of Physicists in Medicine (AAPM), Nashville, TN, July 29-August 2, 2018.

Chen S, *Zhou D, **Liang J, Krauss DJ, Chen PY, Yan D**. Adaptive dose painting by number planning using a novel object of dose prescription function derived from multiple 18F-FDG PET/CT images. 60th Annual Meeting of American Association of Physicists in Medicine (AAPM), Nashville, TN, July 29-August 2, 2018.

Radiation Oncology

Abstracts with Associated Research Presentations: continued

Gruner MF, Vu CC, Marvin K, Ye H, Nandalur SR, Jawad MS

Radiation Oncology

Abstracts with Associated Research Presentations:

Radiation Oncology

Abstracts with Associated Research Presentations:

Radiation Oncology

Invited Research Presentations:

Ding X. Acceptance and commission of a proton system. IBA Proteus User Meeting, Stockholm,

RESEARCH INSTITUTE

RESEARCH ADMINISTRATION

RESEARCH INSTITUTE

Research Administration

Peer-Reviewed Articles:

Egan C, Randhawa S, Stewart JM, **Liu Q**, Hunyor AP, Kreiger A, et al. Peripapillary pachychoroid syndrome. *Retina*. 2018 Sep;38(9):1652-1667.

Klaver AC, Coffey MP, Aasly JO, Loeffler DA. CSF lamp2 concentrations are decreased in female Parkinson's disease patients with LRRK2 mutations. *Brain Res*. 2018;1683:12-16.

Loeffler DA, **Klaver AC**, **Coffey M**, Aasly JO. Cerebrospinal fluid concentration of key autophagy protein lamp2 changes little during normal aging. *Front Aging Neurosci*. 2018;10:130.

Sutherland EL, Dabajeh MM, Zintsmaster S, Feraco DK, Bassett MJ, Davila FR, et al, [**Coffey M**]. A retrospective evaluation of time to obtain an MRI for English-versus non-English-speaking patients. *J Am Coll Rad*, published online July 26, 2018.

Abstracts with Associated Research Presentations:

Said A, *Keeney S, *Matka M, Hafeez A, Dalal B, George J, **Qu L**, Ha A. Concomitant use of direct oral anticoagulants and aspirin in atrial fibrillation and flutter. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, October 13-15, 2018.

Siljander M, Cross J, *Lilly R, Baker KC, **Coffey M**, Verner JJ. Primary total hip arthroplasty instability following lumbosacral fusion: What are the risk factors? Annual Meeting of the American Association of Hip and Knee Surgeons, Dallas, TX, November 1-3, 2018.

Siljander M, Cross J, *Lilly R, Kurdziel MD, Baker KC, **Coffey M**. Primary total hip arthroplasty instability following lumbosacral fusion: What are the risk factors? Annual Meeting of the Michigan Orthopaedic Society, Mackinac Island, MI, June 22-24, 2018.

SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES

BREAST CARE CENTER

GENERAL SURGERY

MULTI-ORGAN TRANSPLANT SURGERY

NEUROSURGERY

OTOLARYNGOLOGY

PEDIATRIC SURGERY

PLASTIC SURGERY

THORACIC SURGERY

VASCULAR SURGERY

BREAST CARE CENTER

Abstracts with Associated Research Presentations:

Parma CM, Dilworth JT, **Pople BS**, Boura J, **Dekhne NS**. Investigation into the utilization of accelerated partial breast irradiation in early stage breast cancer patients. American Society of Breast Surgeons 19th Annual Meeting and Scientific Session, Orlando, FL, May 2-6, 2018.

Parma CM, Dilworth JT, **Pople BS**, **Dekhne, NS**. Local control practices in early stage breast

GENERAL SURGERY

Book Chapter or Full Book Publications:

Luehmann N, Staubach ME, Begum A, Collier PJ, Han RE, Riggs TW, [Novotny NM]. Benefits of a family-centered approach to pediatric induction of anesthesia. J Pediatr Surg.2019; 54(1):189-193.

Puligandia PS, **Novotny NM, Luehman N**, Petroze R, Langenberg S. Parathyroid disorders. In: Hirschl R, Powell D, Waldhausen J, editors. Pediatric surgery, not a textbook [book on the Internet] Oakbrook Terrace, IL: American Pediatric Surgical Association and Unbound Medicine; 2018. Available from <https://www.pedsurglibrary.com>

Abstracts with Associated Research Presentations:

Abbott EA, Chan JC, Novotny NM. In pursuit of the most cost effective laparoscopic appendectomy: The effect of disposables on operative time and surgeon-controllable operative

General Surgery

Non Peer-Reviewed Research Publications: continued

Baker D, Finkel MA, Filkel KA, Morden R. Infantile hypertrophic pyloric stenosis in monozygotic twins: A case report and review of genetic and modifiable risk factors. *Annals of Pediatric Surgery*, April 26, 2018.

***Sevak S**, Lurvey B, Woodfin A, **Hothem Z**, Callahan RE, Robbins J, et al. Solid, cystic and tubular: Novice ultrasound skills training using a versatile, affordable practice model. *J Surg Educ*. 2018 Apr 9. pii: S1931-7204(17)30548-2.

***Sevak S**, Woodfin AA, **Hothem Z**, Callahan RE, Robbins J, Ziegler K. Gelatin thoracic paravertebral teaching model for placement of a continuous infusion catheter in the extrathoracic paravertebral space. *J Surg Educ*. 2018 Feb 9. pii: S1931-7204(17)30571-8. doi:

MULTI-ORGAN TRANSPLANTATION

Peer-Reviewed Articles:

Cousineau C, Kumar T, Roszka JP, Lewinski KL, Li W, Kanaan HD, et al, [**Cohn S, Samarapungavan D**]. There is a high sensitive and specific correlation between frozen and permanent sections in renal transplant biopsies. *Transplant Proc.* 2018 Dec;50(10):3473-3477.

Tapper A, Marin M, **Samarapungavan D**, Jones P, Hafron J. Management of metastatic castrate-resistant prostate cancer following renal transplantation. *Case Rep Imag Surg.* 2018;1(2)-1-4.

Abstracts with Associated Research Presentations:

Aljasseem A, Hall L, **Cohn S, Bedi D**, Alsibae M, Putchakayala K, et al, [**Samarapungavan D, Koffron A**]. Closing pandora's box: An evidence based approach to opioid-tolerant patients following transplantation. The case for IV methadone. *Am J Transplant.* 2018;18(4). American Transplant Congress, Royal Oak, MI, June 5, 2018.

Dzubnar j, **Putchakayala K**. Comparing pyogenic liver abscess interventional treatment modalities. Michigan Chapter American College of Surgeons, Traverse City, MI, May 16-18, 2018.

NEUROSURGERY

Peer-Reviewed Articles:

Beeravolu N, Brougham J, Khan I, McKee C, **Perez-Cruet M,**

Neurosurgery

Invited Research Presentations:

Fahim DK. Advances and updates in neurosurgical oncology. OUWB Radiation Oncology Department Resident Lecture Series, Royal Oak, MI, April 20, 2018.

Fahim DK. Advances in minimally invasive management of spinal metastases. Michigan Association of Neurological Surgeons, Crystal Mountain, MI, June 8-10, 2018.

Fahim DK. Advances in cervical disc arthroplasty. Minimally Invasive Neurosurgical Society, Mackinac Island, MI, August 9-11, 2018.

Perez-Cruet M

OTOLARYNGOLOGY

Peer-Reviewed Articles:

Arianpour K, Nguyen B, Yuhan B, Svider PF, Eloy JA, **Folbe AJ**. Opioid prescription among sinus surgeons. Am J Rhinol Allergy. 2018 July;32(4):323-329.

Arianpour K, Svider PF, Guys N, Shenouda K, Folbe E, Hsueh WD, et al, [**Folbe AJ**]. Incorporation of antibiotics and systemic steroids by sinus surgeons: Is there widespread consensus? Int Forum Allergy Rhinol. 2018 Sep;8(9):1034-1040.

Arianpour K, Svider PF, Yuhan B, Hooda Z, Eloy JA, **Foble AJ**. Evolving patterns in the diagnosis and management of allergy mediated disorders. Int Forum Allergy Rhinol, published online May 21, 2018.

Hojjat H, Svider PF, Hong R, **Folbe AJ**, Eloy JA, Shkoukani MA. In response to image or not to image? A cost-effectiveness analysis of MRI for patients with asymmetric sensorineural hearing loss. Laryngoscope, published online November 28, 2018.

Li Y, Qiang A, et al, **Naumann IC**. [Patient.pdf]

Otolaryngology

Peer-Reviewed Articles: continued

Schutt CA, **Sargent E**, Kabolizadeh P, Grill IS, Jacob J. Proton beam radiation-induced glioblastoma multiforme. J Neurosurg Sci, published online March 26, 2018.

Svider PF, Arianpour K, Guo E, Folbe E, Zuliani G, Lin H, **[Folbe AJ]**. Opioid prescribing patterns among otolaryngologists: Crucial insights among the medicare population: Opioid prescription among otolaryngologists. Laryngoscope. 2018 Jul;128(7):1576-1581.

Svider PF, Arianpour K, Nguyen B, Hsueh WD, Langer PD, Eloy JA, et al, **[Folbe AJ]**. Endoscopic and external approaches for orbital decompression: An analysis of trends from a U.S. perspective. Int Forum Allergy Rhinol, published online April 12, 2018.

PEDIATRIC SURGERY

PLASTIC SURGERY

Peer-Reviewed Articles:

Chaiyasate K, Ysunza PA, Spolyar J, Genova R, Andrade P. Palatal protective stents prevent

THORACIC SURGERY

Peer-Reviewed Articles:

Brindle ME, Henrich N, Foster A, Marks S, Rose M, **Welsh R**, et al. Implementation of surgical debriefing programs in large health systems: An exploratory qualitative analysis. BMC Health Serv Res. 2018 Mar 27;18(1):210.

Seder CW, Raymond D, Wright CD, Gaissert HA, Chang AC, Clinton S, et al, [**Robert Welsh**]. The society of thoracic surgeons general thoracic surgery database 2018 update on outcomes and quality. Ann Thorac Surg. 2018 May;105(5):1304-1307.

Invited Research Presentations:

Fenton J. Surgery: Robotics and minimally invasive surgery. 4th Annual Beaumont Interdisciplinary Oncology Symposium, Innovations in Cancer Care, Southfield, MI, October 19, 2018.

VASCULAR SURGERY

Vascular Surgery

Invited Research Presentations: continued

Brown OW. Vascular surgery has evolved into a specialty separate and distinct from general surgery: It should now have its own separate governing bodies: Many benefits will accrue.

Vascular and Endovascular Issues (VEITH) Symposium, its meayT /F25m-23Tf 1 0 wymeNJTJ

UROLOGY

Peer-Reviewed Articles:

Albitar M, Ma W, Lund L, Shahbaba B, Uchio E, Feddersen S, et al, **[Moylan D,**

Urology

Urology

Peer-Reviewed Articles: continued

Shore N, **Hafron J**, Langford T, Stein M, DeHart J, Brawer M, et al. Urinary molecular biomarker test impacts prostate biopsy decision-making in clinical practice. Urol Prac, published online

Urology

Peer-Reviewed Articles: continued

Zwaans BMM, Lamb LE, Bartolone S, Nicolai HE, Chancellor MB, Klaudia SW. Cancer survivorship issues with radiation and hemorrhagic cystitis in gynecological malignancies. *Int Urol Nephrol.* 2018 Oct;50(10):1745-1751.

Zwaans BMM, Bartolone SN, Chancellor MB, Nicolai HE, Lamb LE. Altered angiogenic growth factors in urine of prostate cancer survivors with radiation history and radiation cystitis. *Urology.* 2018 Oct;120:180-186.

Book Chapters or Full Book Publications:

Chenam A, **Jafri SMA.** Complications of inguinal lymphadenopathy. In: Delman KA, Master VA, editors. *Malignancies of the groin: Surgical and anatomical considerations.* Cham:Springer; 2018. p. 39-53.

Faraj K, ***Dave C, Feber, KM.** Pediatric posterior tibial nerve stimulation. In: **Gilleran JP, Alpert S,** editors. *Adult and pediatric neuromodulation.* Cham: Springer; 2018. p. 201-206.

Gilleran JP, Alpert S, editors. *Adult and pediatric neuromodulation.* Cham: Springer, 2018.

Gilleran JP, *Gaines N. Pudendal neuromodulation. In: **Gilleran JP, Alpert S,** editors. *Adult and pediatric neuromodulation.* Cham: Springer, 2018. p. 89-104.

Hiller S, Schober MS. Pediatric sacral neuromodulation for voiding dysfunction. In: **Gilleran JP, Alpert S,** editors. *Adult and pediatric neuromodulation.* Cham: Springer, 2018. p. 233-236.

Peters KM. Use of transcutaneous electrical nerve stimulation in the management of bladder pain syndrome: 2017 update. In: Hanno PM, Nordling J, Staskin DR, Wein AJ, Wyndaele JJ, editors. *Bladder pain syndrome-an evolution.* Cham: Springer, 2018. p 131-133.

Peters KM, *Nguyen LN, Sirls LT. The future of neuromodulation. In: **Gilleran JP, Alpert S,** editors. *Adult and pediatric neuromodulation.* Cham: Springer; 2018. p. 185-197.

Tennyson L, Chermansky C. Basic neuroanatomy and neurophysiology of the lower urinary tract. *eters KM*

Urology

Urology

Abstracts with Associated Research Presentations: continued

Lamb LE, Janicki JJ, **Bartolone SB**, **Zwaans BMM**, **Peters KM**, **Chancellor MB**. Toward personalized medicine and individualized diagnosis of interstitial cystitis/bladder pain syndrome using machine learning developed risk score. National Institute of Diabetes and Digestive and Kidney Diseases Meeting: Individualizing Urinary Incontinence Treatment: Evolving Research Questions to Research Plans, Bethesda, MD, February 1, 2018.

Lane B, Weizer A, Kim T, Qi J, **Kaul S**, **Schervish E**, et al. Use of surveillance versus active treatment for renal masses ≤ 7 cm: Results from the music kidney regional collaborative. American Urological Association (AUA) Annual Meeting, San Francisco, CA, May 18-21, 2018.

Leavitt D, Hollingsworth J, Kim T, Telang J, **Seifman B**, Johnson A, et al. Practice patterns and

Urology

Abstracts with Associated Research Presentations: continued

***Nguyen L**, Sirls E, **Han E**, Vecellio P, ***Killinger KA**, ***Bartley J**, et al, [**Gilleran J**, **Peters KM**, **Sirls LT**]. Urinary tract infections in ambulatory patients with indwelling catheters. American Urological Association (AUA) Annual Meeting, San Francisco, CA, May 18-21, 2018.

Oto A, Arora S, Haider M, Koch M, Raman S, Pavlovich C, et al, [**Relle J**]. Pivotal study of MRI-guided transurethral ultrasound ablation (TULSA) in patients with localized prostate cancer: Preliminary results. The Focused Ultrasound Symposium, VA, October 21-25, 2018.

Patel N, ***Killinger KA**, Thapar K, Karabon P, **Nagaraju P**. Patient satisfaction and quality of life after robotic sacrocolpopexy for pelvic organ prolapse. Society of Urodynamics Female Urogenital Reconstruction, National Meeting (SUFU), Austin, TX, February 27-March 3, 2018.

Patel P, Kim T, Prebay Z, Telang J, Linsell S, Kleer E, et al, [**Johnston WK III**]. Using video analysis to understand the technical variation of robot-assisted radical prostatectomy (RARP) in a statewide surgical collaborative. American Urological Association (AUA) Annual Meeting, San Francisco, CA, May 18-21, 2018.

Peters KM, Newman D, Belkoff L, Nandalur K, Johnston M, Small S, et al, [**Sirls LT**]. Oral Enobosarm shows promising activity in post-menopausal women with stress urinary incontinence: Results of a phase 2 study. Society of Urodynamics Female Urogenital Reconstruction, National Meeting (SUFU), Austin, TX, February 27-March 3, 2018. American Urological Association (AUA) Annual Meeting, San Francisco, CA, May 18-21, 2018.

Peters KM, Vecellio P, ***Killinger KA**, **Han E**, ***Nguyen L**, et al. Patients with prior pudendal nerve entrapment surgery can benefit from pudendal neuromodulation. Society of Urodynamics Female Urogenital Reconstruction, National Meeting (SUFU), Austin, TX, February 27-March 3, 2018. American Urological Association (AUA) Annual Meeting, San Francisco, CA, May 18-21, 2018.

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Urology

Abstracts with Associated Research Presentations: continued

Tapper A, Leale D, Megahan G, Nacker K, **Hafron J**. Robotic instrument failure-a critical analysis of cause and quality improvement strategies. American Urological Association (AUA) Annual Meeting, San Francisco, CA, May 18-21, 2018. North Central Section of American Urological Association Annual Meeting, Chicago, IL, September 5-8, 2018.

Tapper A, Kohli H, **Burks F**, **Hollander J**. Telecystoscopy: Use of remote video technology for bedside flexible cystoscopy. Michigan Urological Society Meeting (MUS), Livonia, MI, May 11, 2018.

Tapper A, ***Nguyen L**, **Hollander J**, **Burks F**. Telecystoscopy: Use of remote video technology for bedside flexible cystoscopy. American Urological Association (AUA) Annual Meeting, San Francisco, CA, May 18-21, 2018.

Tyagi P, Chermansky C, deGroat WC, **Chancellor MB**, Yoshimura N. Prejunctional M1 receptor: A Therapeutic target for underactive bladder. International Incontinence Society Annual Meeting, Philadelphia, PA, August 28-31, 2018.

Wilson A, **Burks F**, Rosenstein D, Lanctin H, Druex Y. Pelvic fracture urethral injuries among U.S. and Haitian patients: A comparative analysis. Michigan Urological Society Meeting (MUS), Livonia, MI, May 11, 2018.

Zwaans BMM, **Bartolone SN**

Urology

Invited Research Presentations: continued

Diokno AC. Practice of urology through the years in the western setting. Philippine Urological Association International Symposium, American Urological Association (AUA) Annual Meeting, San Francisco, CA, May 18, 2018.

Diokno AC. History of underactive bladder research. International Congress for Underactive Bladder (CURE-UAB) Meeting, Honolulu, HI, November 8, 2018.

Hafron J. Secrets for success in large group practices: Incorporating female partners. Large Urology Group Practice Association (LUGPA) National Meeting Chicago, IL, November 2018.

Lamb LE. Novel klotho model for aging bladder research. Geriatric Urological Society (GUS) Annual Meeting, San Francisco, CA, May 20, 2018.

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EMERGENCY MEDICINE

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GASTROENTEROLOGY

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GENERAL SURGERY

Invited Research Presentations:

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SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE

DERMATOLOGY

ENDOCRINOLOGY

GENERAL INTERNAL MEDICINE

INFECTIOUS DISEASES

PALLIATIVE CARE

DERMATOLOGY

Peer-Reviewed Articles:

Braunberger TL, Vakharia P, **Nicholson CL**, Parks-Miller A, **Hamzavi IH**. Carbon dioxide laser excision in hidradenitis suppurativa: Demographic, comorbidities, healing time and complications. *Lasers Surg Med*. 2018 50;360-360.

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OBSTETRICAL / GYNECOLOGICAL SERVICES

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PSYCHIATRY

Peer-Reviewed Articles:

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