

Research Institute

Report of Accomplishments



2016

Beaumont
HEALTH

Report of 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 several decades ago to strengthen Beaumont as an academic institution through growth and support of graduate medical education, the hiring of full time physicians 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.

As Beaumont Health moves forward as the health care affiliate with 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 for Beaumont. 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, numbering over 1,158 trials with over 10,363 registered research participants. 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, 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

Fact Sheet – 2017

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 participants in undergraduate and graduate medical education programs.

Beaumont Health is a major teaching facility, with 84 accredited residency and fellowship programs involving 835 residents and 96 fellows, and 160 research staff.

Funding

2016 Research Institute actual operations
\$32.2M

External Sources of Research Funding

(2016 data)

- | | |
|--------------------------|------|
| ▪ Commercial sponsors | 30 % |
| ▪ Intellectual Property | 30 % |
| ▪ Federal sponsors | 26 % |
| ▪ Philanthropic sponsors | 14 % |

Types of Research at Beaumont Health

(2016 percentage of expenses)

- | | |
|-------------------------|------|
| ▪ Clinical Research | 55 % |
| ▪ Pre-clinical Research | 45 % |

External Research Funding by Service Line

(2016 data)

- | | |
|--|------|
| ▪ Radiation Oncology | 21 % |
| ▪ Urology | 15 % |
| ▪ Emergency | 11 % |
| ▪ Hematology/Oncology | 8 % |
| ▪ Cardiology | 7 % |
| ▪ Infectious Disease | 6 % |
| ▪ Orthopedics | 4 % |
| ▪ OB/GYN | 3 % |
| ▪ Other (Various, Admin/Inv. IP Share) | 25 % |

Clinical Research

- 1,158 clinical studies
- 450 interventional studies
- 708 non-interventional studies
- 456 active principal investigators
- 10,363 registered research participants

Educational Opportunities for Research Staff

- 2-day orientation for new clinical research staff
- Animal use training
- On-line CITI human subjects protection training
- Online guidance/modules on initiating research
- Responsible conduct in research training
- Resident and Fellow Research Forum
- Seminar series and workshops

Support Staff Available

- Accounting / Contracting / Administrative
- Biostatisticians
- Commercialization Center
- Compliance Office
- Database Development
- Grant Development
- Human Resources
- Institutional Animal Care and Use Committee
- Institutional Biosafety Committee
- Institutional Review Board
- Outcomes Research Group
- Research Education

Support for the Research Institute

- AAALAC accredited animal facility
- AAHRPP accredited human research protection program
- Beaumont Research Coordinating Center for multicenter clinical trials
- BioBank/Erb Family Core Molecular Lab
- Flash CT scanner
- Fully equipped bench laboratories
- National Cancer Institute's Community Oncology Research Program (NCORP)
- Partnership with OUWB School of Medicine
- PET-CT and Biotracer

TABLE OF CONTENTS

BEAUMONT HOSPITAL – ROYAL OAK, TROY and GROSSE POINTE.....	8-123
BEAUMONT HOSPITAL – FARMINGTON HILLS	124-128
BEAUMONT HOSPITAL – DEARBORN, TAYLOR, TRENTON and WAYNE	129-146

BEAUMONT HOSPITAL – ROYAL OAK, TROY and GROSSE POINTE

ANESTHESIOLOGY and PERIOPERATIVE MEDICINE	8
BIOBANK.....	9-10
CARDIOVASCULAR DISEASE	11-17
COLON and RECTAL SURGERY	18-19
DIAGNOSTIC RADIOLOGY and MOLECULAR IMAGING.....	20-26
EMERGENCY MEDICINE	27-31
FAMILY MEDICINE.....	32-33
SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE	34-55
ALLERGY	35
GASTROENTEROLOGY and HEPATOLOGY	36-38
GENERAL INTERNAL MEDICINE.....	39-46
GERIATRICS.....	47
HEMATOLOGY / ONCOLOGY	48-50
INFECTIOUS DISEASES	51-52
NEUROLOGY	53-54
NUTRITION and PREVENTIVE MEDICINE.....	55
OBSTETRICAL / GYNECOLOGICAL SERVICES.....	56-58
OPHTHALMOLOGY	59-62
ORTHOPAEDIC SURGERY	63-67
PATHOLOGY and LABORATORY MEDICINE.....	68-73

TABLE OF CONTENTS

PEDIATRIC SERVICES	74-76
PHARMACEUTICAL SERVICES.....	77
PHYSICAL MEDICINE and REHABILITATION.....	78
RADIATION ONCOLOGY	79-91
RESEARCH INSTITUTE	92-95
RESEARCH ADMINISTRATION.....	93-95
SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES	96-111
BREAST CARE CENTER	97
GENERAL SURGERY	98-100
MULTI-ORGAN TRANSPLANTATION.....	101-104
NEUROSURGERY	105
OTOLARYNGOLOGY	106-107
PEDIATRIC SURGERY.....	108
PLASTIC SURGERY.....	109
VASCULAR SURGERY	110-111
UROLOGY	112-123

BEAUMONT HEALTH – FARMINGTON HILLS

ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE	125
CANCER CENTER.....	126
RADIOLOGY	127-128

TABLE OF CONTENTS

BEAUMONT HEALTH – DEARBORN, TAYLOR, TRENTON and WAYNE

CARDIOVASCULAR DISEASE	130
DIAGNOSTIC RADIOLOGY	131
EMERGENCY	132
SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE	133-137
DERMATOLOGY	134
GENERAL INTERNAL MEDICINE.....	135
INFECTIOUS DISEASES	136
PALLIATIVE MEDICINE	137
NURSING	138
OPHTHALMOLOGY	139
PHYSICAL MEDICINE and REHABILITATION.....	140
PSYCHIATRY	141
RADIATION ONCOLOGY.....	142
SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES	143-146
GENERAL SURGERY	144
ORTHOPAEDIC SURGERY.....	145
PODIATRIC SURGERY	146

Note: * Indicates the author(s) was not Beaumont staff at the time of publication, or was a Beaumont employee at the time of the publication but has since left Beaumont.

BEAUMONT HOSPITAL
Royal Oak, Troy, Grosse Pointe

ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Peer-Reviewed Articles:

Benzon HT, Asher YG, **Hartrick CT**. Back pain and neuraxial anesthesia. *Anesth Analg* 2016. Jun 1;122(6):2047-2058.

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Vinson AE, Zurakowski D, Randel GI, **Schlecht KD**. National survey of US academic anesthesiology chairs on clinician wellness. *J Clin Anesth* 2016. Nov 1; 34:623-631.

Yonekawa Y, Wu WC, Kusaka S, Robinson J, Tsujioka D, Kang KB, **Meza, PA** et al. Immediate sequential bilateral pediatric vitreoretinal surgery: An international multicenter study. *Ophthalmology* 2016. Aug 1; 123(8):1802-1808.

BIOBANK

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Wilson GD, Thibodeau BJ, Fortier LE, Pruetz BL, Galoforo S, *Marples B, et al, [***Akervall J.**] Cancer stem cell signaling during repopulation in head and neck cancer. *Stem Cells International.* 2016 Jan 6;1-10, 2016.

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Thibodeau BJ, Yumpo Cardenas P, **Ahmed S**, Dunn M, Johnson M, **Wilson GD**. Next generation sequencing of brain metastasis in non-small cell lung cancer. Association for Cancer Research (AACR) Annual Meeting, New Orleans, LA, April 16-20, 2016.

BioBank

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Invited Research Presentations:

Thibodeau BJ. Beaumont BioBank: Striving to advance personalized medicine. Food and Drug Administration (FDA) Lunch and Learn event, Food and Drug Administration, Detroit District Office, Detroit, MI, November 8, 2016.

CARDIOVASCULAR DISEASE

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Cardiovascular Disease

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Cardiovascular Disease

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Wilkinson J, Kong X, Haymart B, **Almany S**, Barnes G. The predictive ability of various risk scores for bleeding in Warfarin treated VTE patients. Society of Vascular Medicine, Long Beach, CA, June 15-18, 2016.

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Almany S. Student heart check program. Champions of care, WJR 760, March 6, 2016.
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COLON and RECTAL SURGERY

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Al-Habibi A, *Mangla J, Shellnut J. Effect of preoperative narcotic use on length of stay in patients undergoing elective colorectal surgery: Analysis of NSQIP Dataset. Michigan Chapter American College of Surgeons 63rd Annual Meeting and 65th Annual Surgeons Competition, Mackinac Island, MI, May 18-20, 2016. American College of Surgeons National Surgical Quality Improvement Program (ACS NSQIP) Annual Conference, San Diego, CA, July 16-19, 2016.

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Invited Research Presentations:

Shellnut J. Minimally invasive surgery: Rectal cancer. William Beaumont Interdisciplinary Oncology Symposium, Southfield, MI, March 4, 2016.

Colon and Rectal Surgery

Invited Research Presentations: continued

Wasvary H. Outcomes in a dedicated colorectal multidisciplinary cancer clinic. William Beaumont Interdisciplinary Oncology Symposium, Southfield, MI, March 4, 2016.

Wasvary H. Lower gastrointestinal motility. Oakland University William Beaumont School of Medicine, Rochester, MI, September 2016.

Ziegler M. Lower gastrointestinal hemorrhage. CREST online learning module. American Society of Colon and Rectal Surgeons, June 2016.

Ziegler M. Management of stage IV colorectal cancer. CREST online learning module. American Society of Colon and Rectal Surgeons, November 2016.

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Al-Katib S, Sokhandon F, Farah M. MRI for appendicitis in pregnancy: Is seeing believing? Clinical outcomes in cases of appendix nonvisualization. Abdom Radiol (NY). 2016 Dec;41(12);2455-2459.

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Osetek A, Khayyata S, **Ebersole J, Ciacci J**. Endovascular colorectal adenocarcinoma metastasis. *J Vasc Interv Radiol*. 2016 Dec;27(12):1845.

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Abstracts with Associated Research Presentations:

Alapati K, Doshi S. Multimodality evaluation of infections involving the ankle and hind foot: A resident's approach. Association of University Radiologists (AUR) 64th Annual Meeting, San Diego, CA; March 29-April 1, 2016.

Alchammas J, Fergus J, Copelan A, Kirsch M. A review of TIPS procedure and its expanding role in liver disease. Digestive Disease Interventions (DDI) Annual Meeting, San Diego, CA, October 26-29, 2016.

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***Astani A, Joshaghani H, Kirsch M.** Relevance of medical training to medical practice, a multi-institution survey of physicians. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Bhatt M, Junqueira P, Copelan A, Noujaim S. Thinking outside the "voice box": Laryngeal neoplasms beyond squamous cell carcinoma. Annual Society of Head and Neck Radiology (ASHNR) 50th Annual Meeting, Washington, DC, September 7-11, 2016.

Bhatt M, Sousaris N, Al-Katib S, Jafri SZ, Bis K, Nghiem H. A race against the clock: Imaging of life-threatening cardiovascular emergencies. Radiological Society of North America (RSNA) 102nd Scientific Assembly and Annual Meeting, Chicago, IL, November 26-December 1, 2016.

Brandenburg S, Basmaji C. Imaging and management of biliary tract emergencies: A multi-modality case review. American Society of Emergency Radiology (ASER) 28th Annual Meeting, San Francisco, CA, September 14-17, 2016.

Chehab M, Jafri SZ, *Richards M, Roy AK. Transosseous biopsy: Techniques, outcomes and complications in 50 cases. Society of Interventional Radiology (SIR) Annual Meeting, Vancouver BC, Canada, April 2-7, 2016.

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Abstracts with Associated Research Presentations: continued

Chehab M, Copelan A, Li X, Wilseck Z, Wilseck J. Opercular index score: A novel predictor of neurologic outcome in the endovascular management of acute ischemic stroke. Southeast Michigan Center for Medical Education (SEMCME) Annual Research Forum, Rochester, MI, May 25, 2016. Society of Neurointerventional Surgery (SNIS) 13th Annual Meeting, Boston, MA, July 25-29, 2016.

Chehab M, Copelan A, *Al-Faham Z, Bahoura L, *Wong CY. Systemic mastocytosis: A rare cause of single vertebral body uptake on bone scan. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Chiu Yuen To, **Zintsmaster S, Chehab M, Wilseck J, Qahwash O.** Immediate femoral arteriotomy closure after thrombolytics, is it safe? American Association of Neurological Surgeons (AANS) 2016 Annual Meeting, Chicago, IL, April 30-May 4, 2016.

Copelan A, Bhatt M, Noujaim S, Bahoura L, Chaiyasate K, Khan AM. Craniopharyngeal canal and notochord at the craniocervical junction and skull base: Spectrum of pathology and variant anatomy. American Society of Neuroradiology (ASNR) 54th Annual Meeting, Washington, DC, May 23-26, 2016.

Friedlander JA, Barry K, Welker K, Fox J, Wang A, Krishnan A, et al. Magnetic resonance evaluation of the brachial plexus, normal anatomy and pathology. Annual Society of Head and Neck Radiology (ASHNR) 50th Annual Meeting, Washington, DC, September 7-11, 2016.

Goncalves LF, *Jain S, Krishnan A, *Zhou Y, Bloom D, Lee W, et al. Quantitative MR assessment of the fetal posterior fossa: Reproducibility, reference ranges and diagnostic performance. 7th Annual International Conjoint Meeting and Exhibition of the Society of Pediatric Radiology (SPR) and the European Society, Chicago, IL, May 15-20, 2016.

Jacob J, Bahoura L, *Zintsmaster MP, Yadavalli S. Imaging features of complications of intramuscular injections. American Society of Emergency Radiology (ASER) 28th Annual Meeting, San Francisco, CA, September 14-17, 2016.

Kaur H, Balon H. Complex regional pain syndrome diagnosed with three-phase bone scan. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Kaur H, Wu D. Incidental FDG PET/CT findings of surgically approved infarcted Hurthle cell adenoma in a patient with DLBCL. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016. Society for Nuclear Medicine and Molecular Imaging (SNMMI) Annual Meeting, San Diego, CA, June 11-15, 2016.

***Kramer J, Barry K, Wang AM.** Noninfectious chronic recurrent multifocal osteomyelitis: An uncommon cause of vertebral body fractures in a pediatric patient. American Society of Spine Radiology (ASSR) Annual Symposium, Bonita Springs, FL, February 18-21, 2016.

Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued

***Kramer J, Barry K, Wang AM, Krishnan A, Wilseck J.** Pathology spectrum of the medulla oblongata: A neuroimaging review. American Society of Neuroradiology (ASNR) 54th Annual Meeting, Washington, DC, May 23-26, 2016.

Krishnan A, Marin H, *Margiewicz S, Silbergleit R, Ceulemans R, Wilseck J, et al. Medullary edema and enhancement: A characteristic but unusual manifestation of dural arteriovenous fistulas on MRI. American Society of Neuroradiology (ASNR) 54th Annual Meeting, Washington, DC, May 23-26, 2016.

***Lack B, Friedlander J, Emerson S, Farah M.** Reducing radiation dose in fluoroscopic guided enteric tube placement. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Mansoor B, Greene R, Kirsch M. Complications of percutaneous radiological gastrostomy tube placement. Digestive Disease Interventions (DDI) Annual Meeting, San Diego, CA, October 26-29, 2016.

***Margiewicz S, Krishnan A,* Kirk L, Kazmierczak C.** Optimizing of supraclinoid aneurysms. A comparison between detection and supraclinoid aneurysms using whole 3D MRA MIPs and half or unilateral MRA MIPs. American Society of Neuroradiology (ASNR) 54th Annual Meeting, Washington, DC, May 23-26, 2016.

Muhleman M, *Al-Faham Z, *Wong CY. Challenges in detecting global coronary flow reserve (CFR) impairment in morbidly obese patients (MOP) by N-13 ammonia (NH₃) PET. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Muhleman M, *Al-Faham Z, Wu D. Coexisting metastatic Hürthle cell thyroid cancer and lung cancer with markedly different metabolic activities on FDG PET/CT. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

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***Olsen J, Savin M, Campbell J, Savin J, *Wong CY.** 884 Y-90 deliveries: Incidence and role of multiple deliveries during procedure. World Conference of Interventional Oncology (WCIO) Annual Meeting, Boston, MA, June 8-11, 2016.

***Overstreet T, Nandalur K.** Radiologist accuracy in evaluating testicular torsion on ultrasound: How accurate is reader performance to postoperative pathology findings? 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued

Patel K, Wilseck J. The spinal epidural space: Review of anatomy and case examples of common and uncommon lesions. American Society of Spine Radiology (ASSR) Annual Symposium, Bonita Springs, FL, February 18-21, 2016.

Patel K, Wilseck J. Spectrum of head and neck sarcomas: A pictorial review. American Society of Head and Neck Radiology (ASHNR) Annual Symposium, Washington, DC, September 7-11, 2016.

Patel K, Copelan A, Kazanji B, Ciacci J. Predictors of active extravasation during mesenteric angiography in patients with acute gastrointestinal hemorrhage. American Society of Emergency Radiology (ASER) 28th Annual Meeting, San Francisco, CA, September 14-17, 2016.

***Patel S, Doshi S.** How to assess for ulnar neuritis at the elbow. American Roentgen Ray Society (ARRS) Annual Meeting, Los Angeles, CA, April 17-22, 2016.

***Patel S, *Reich S, Yadavalli S.** Ergonomics in the reading room: Creating a healthy work environment for the radiologist. Association of University Radiologists (AUR) 64th Annual Meeting, San Diego, CA, March 29-April 1, 2016.

***Patel S, Yadavalli S, *Zintsmaster MP.** Ultrasound imaging of the hand and wrist. Society of Skeletal Radiology (SSR) 39th Annual Meeting, New Orleans, LA, March 13-16, 2016.

Rahman S, Noujaim S, Chaiyasate K. Craniosynostosis: Diagnosis, pitfalls, and management. What the radiologist needs to know. American Society of Neuroradiology (ASNR) 54th Annual Meeting, Washington, DC, May 21-26, 2016.

Rahman S, Wang AM, Silbergleit R, Krishnan A. Spectrum of intramedullary spinal cord tumors: A pictorial review. American Society of Spine Radiology (ASSR) Annual Symposium, Bonita Springs, FL, February 18-21, 2016.

Scola D, Kolderman N, *Al-Faham Z, Balon H. HIDA scan diagnosis of Chilaiditi's syndrome. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Scola D, Selvam N, Jafri SZ, Amin M, Nghiem H, Sheth S. Bilateral testicular masses: A mixed bag. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

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Sutherland E, Goncalves LF, *Zhou Y. Study of spatial function in the human placenta with diffusion weighted imaging. International Society for Magnetic Resonance in Medicine (ISMRM) 24th Annual Meeting and Exhibition, Singapore, Malaysia, May 7-13, 2016.

Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued

Tominna M, Feraco D, Tran K, Bassett M, Zintsmaster S, Kolderman N, et al, [Mir S, Rezvani S]. The effect of language on MRI acquisition time at Beaumont Health. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016. Michigan Summit on Quality Improvement and Patient Safety Meeting, Troy, MI, June 3, 2016.

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Vemulapalli C, Wang AM, Silbergleit R, Krishnan A, Barry K, Patel S. Spinal intradural extramedullary benign cystic lesions. American Society of Spine Radiology (ASSR) Annual Symposium, Bonita Springs, FL, February 18-21, 2016.

Vemulapalli C, Krishnan A, Jain R. Cryptococcosis gatti meningitis in an immunocompetent patient. American Society of Neuroradiology (ASNR) 54th Annual Meeting, Washington, DC, May 23-26, 2016.

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Welker K, Noujaim S, Silbergleit R, Corrigan J, Fox J, Krishnan A, et al. Imaging of unusual causes of cervical adenopathy. Annual Society of Head and Neck Radiology (ASHNR) 50th Annual Meeting, Washington, DC, September 7-11, 2016.

Yadavalli S, *Zintsmaster MP. Deltoid contracture secondary to repeated intramuscular injections. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak,

Website Contributions, Videoclips, or other Multi-Media Contributions:

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Non Peer-Reviewed Publications:

Thanos A, Yonekasa Y, Yomogida K, **Bloom DA**, Trese MT, Dresner KA. Retinal findings in abusive head trauma. Editorial Comment. Retina Today. March 2016. Bryn Mawr Communications. <http://retinatoday.com/2016/03/retinal-findings-in-abusive-head-trauma>.

Sokhandon F. Oral contrast administration for abdominal and pelvic CT scan in emergency setting: Is there a happy medium? Abdom Radiol (NY), published online November 12, 2016.

EMERGENCY MEDICINE

Peer-Reviewed Articles:

Auvergne L, Bortsov AV, Ulirsch JC, Peak DA, Jones JS, **Swor RA**, et al. Association of epidemiologic factors and genetic variants influencing hypothalamic-pituitary-adrenocortical axis function with postconcussive symptoms after minor motor vehicle collision. *Psychosom Med*. 2016 Jan;78(1):68-78.

Bahado-Singh RO, Graham SF, Turkoglu O, Beauchamp K, Bjorndahl TC, Han B, et al. [**Kowalenko T**]. Identification of candidate biomarkers of brain damage in a mouse model of closed head injury: A metabolomic pilot study. *Metabolomics*. 2016; 12(3):1-13.

Bahl A, Hanif S. Angioedema: The Location of the swelling matters. *Emerg Med Inves*. 2016 May;2016(1).

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Fortin EM, Fisher J, Qiu S, and **Babcock CI**. Privately insured medical patients are more likely to have a head CT. *Emerg Radiol*. 2016 Dec;23(6):597-601.

Hu JM, Bortsov AV, Ballina L, Orrey DC, **Swor RA**, Peak D, et al. Chronic widespread pain after motor vehicle collision typically occurs through immediate development and nonrecovery: Results of an emergency department-based cohort study. *Pain* 2016. Feb;157(2): 438-44.

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Marco CA, Baren JM, Beeson MS, et al, [**Kowalenko T**]. American Board of Emergency Medicine report on residency training information (2015-2016). *Ann Emerg Med*. 2016;67(5):654-666.

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Emergency Medicine

Peer-Reviewed Articles: continued

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Emergency Medicine

Book Chapter or Full Book Publications:

Peacock WF, **Clark CL**, editors. Short stay management of atrial fibrillation. Switzerland: Humana Press, 2016. Contemporary Cardiology series.

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Abuelroos D, Siddiqui M, **Jackson R, Berger DA**. Emergency department urosepsis: Impact of positive or equivocal UA on emergent surgical consultation. Society of Critical Care Medicine Critical Care Congress, Orlando, FL, February 20-24, 2016. American Medical Women's Association, Miami, FL, March 10-13, 2016.

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Emergency Medicine

Abstracts with Associated Research Presentations: continued

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Ross JL, Fisher J, Brown K, **Babcock CI**. Descriptive analysis of early blood transfusions at an urban trauma center. American College of Emergency Physicians Research Forum, Las Vegas, NV, October 16-19, 2016.

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Emergency Medicine

Invited Research Presentations:

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Non Peer-Reviewed Publications:

Bahl A. Carotid flow time and blood loss. ACEP Emergency Ultrasound Newsletter. February 2016.

Sefa N, Stahl A, Pandurangadu V, Fringer R, Bahl A. Non-traumatic splenic rupture. MCEP News and Views. March 2016;26(2).

FAMILY MEDICINE

Peer-Reviewed Articles:

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Invited Research Presentations:

Lick D, Biggs W, Graham T. Teaching residents to teach: Enhancing the “near-peer” experience. American Academy of Family Physicians Program Directors Workshop, Kansas City, MO, April 1-3, 2016.

Lick D, Oleszkowicz A. Organized chaos: Making faculty meetings more effective. American Academy of Family Physicians Program Directors Workshop, Kansas City, MO, April 1-3, 2016.

Lick D, Rosbolt J, Ripley T. Common joint injections in the ambulatory setting. *Practical Update in Primary Care Medicine*, Troy, MI, May 16, 2016.

Mulhem E. Improving detection of hearing loss: Initial results of the early auditory referral. Primary care (EAR-PC) study. North American Primary Care Research Group Annual Meeting, Colorado Springs, CO, November 12-16, 2016.

Yedavally-Yellayi S, Tucciarone J, Lick D, Corser W. Family medicine residents’ perception concerning their non-clinic hours supervision from preceptor and clinic physicians. 3rd Annual SCS Research Poster Day, Michigan State University College of Osteopathic Medicine, East Lansing, MI, May 25, 2016.

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Family Medicine

Non Peer-Reviewed Publications: continued

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SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE

ALLERGY

GASTROENTEROLOGY and HEPATOLOGY

GENERAL INTERNAL MEDICINE

GERIATRICS

HEMATOLOGY / ONCOLOGY

INFECTIOUS DISEASES

NEUROLOGY

NUTRITION and PREVENTIVE MEDICINE

ALLERGY

Peer-Reviewed Articles:

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GASTROENTEROLOGY and HEPATOLOGY

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*Ganapini V, **Jaurigue M, Amin M, Ghaith G, Cappell MS.** ERCP for diagnosis and extraction of choledochal phytobezoar causing RUQ abdominal pain and cholestasis in a patient without prior sphincterotomy or biliary instrumentation. *Gastrointest Endosc*, published online October 6, 2016.

Gjeorgjievski M, **Cappell MS.** Portal hypertensive gastropathy: A systematic review of the pathophysiology, clinical presentation, natural history and therapy. *World J Hepatol.* 2016 Feb 8; 8(4):231-262.

Gjeorgjievski M, Makki I, Khanal P, Amin MB, Blenc AM, **Desai T, Cappell MS.** Early, isolated, duodenal mucosa-associated lymphoid tissue lymphoma presenting without symptoms or grossly apparent endoscopic lesions, and diagnosed by random duodenal biopsies. *Case Rep Gastroenterol.* 2016;2:323-331.

Gastroenterology and Hepatology

Peer-Reviewed Articles: continued

Gjeorgjievski M, *Manickam P, **Ghaith G, Cappell MS**. Safety and efficacy of endoscopic therapy for nonmalignant duodenal duplication cysts: Case report and comprehensive review of 28 cases reported in the literature. *Medicine (Baltimore)*. 2016 May;95(22):e3799.

Gjeorgjievski M, **Mogrovejo E**, Amin MB, **Cappell MS**. Primary duodenal aspergillosis in a patient with alcoholic cirrhosis and poorly controlled diabetes mellitus. *ACG Case Rep J*. 2106 Nov 9; 3(4):e147.

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*Nojkov B, **Cappell MS**. Distinctive aspects of peptic ulcer disease, Dieulafoy's lesion, and Mallory-Weiss syndrome in patients with advanced alcoholic liver disease or cirrhosis. *World J Gastroenterol*. 2016 Jan 7; 22(1):446-466.

*Singh D, **Yang S, Cappell MS**. Biliary ascariasis diagnosed and extracted in the United States. *ACG Case Rep J*. 2016 Dec 21;3(4):e188.

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Cappell MS. Occult and obscure gastrointestinal bleeding. In: McNally P, editor. *GI and liver secrets*. Elsevier, 2016, Chapter 52.

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Cappell MS, Lebowitz O. Hereditary hemorrhagic telangiectasia. In: Lebowitz MG, Heymann WR, Berth-Jones J, Coulson I, editors. *Treatment of skin disease: Comprehensive therapeutic strategies*. Fifth ed. London: Saunders (Elsevier), 2016, Chapter 98.

Abstracts with Associated Research Presentations:

Aneese AM, **Mogrovejo E**, Gjeorgjievski M, **Ghaith G, Cappell MS**. Severe, chronic duodenitis as an unusual cause of gastric outlet obstruction. American College of Gastroenterology Annual Meeting, Las Vegas, NV, October 14-29, 2016.

Gastroenterology and Hepatology

Abstracts with Associated Research Presentations: continued

Hakim S, Gjeorgjievski M, **Mogrovejo E**, Orosey M, **Cappell MS**. Simultaneous esophageal and recto-sigmoid poorly differentiated adenocarcinoma with different MLH1 stain. American College of Gastroenterology Annual Meeting, Las Vegas, NV, October 14-29, 2016.

Hakim S, Gjeorgjievski M, *Purohit T, **Bortman J**, **Cappell MS**. Pseudoaneurysm of the left gastric artery causing portal gastropathy and upper gastrointestinal bleeding. American College of Gastroenterology Annual Meeting, Las Vegas, NV, October 14-29, 2016.

*Nojkov B, **Duffy MC**, **Cappell MS**. Repeated abdominopelvic computed tomography in patients presenting recurrently to emergency room with non-traumatic abdominal pain: Quantifying the radiation exposure. Digestive Disease Week of the American Gastroenterology Association, San Diego, CA, May 21-24, 2016.

Orosey M, Gjeorgjievski M, **Cappell MS**. Colonic perforation from colonic mucormycosis in an immunocompetent patient. Digestive Disease Week of the American Gastroenterology Association, San Diego, CA, May 21-24, 2016.

GENERAL INTERNAL MEDICINE

Peer-Reviewed Articles:

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Gjeorgjievski M, Cappell M. Portal hypertensive gastropathy: A systematic review of the pathophysiology, clinical presentation, natural history and therapy. World J Hepatol. 2016 Feb 8; 8(4):231-262.

Gjeorgjievski M, Manickam P, Ghaith G, Cappell M. Safety and efficacy of endoscopic therapy for nonmalignant duodenal duplication cysts: Case report and comprehensive review of 28 cases reported in the literature. Medicine (Baltimore). 2016 May;95(22):e3799.

Gjeorgjievski M, Makki I, Khanal P, Amin M, Blenc, AM, Desai T, Cappell M. Early, isolated duodenal mucosa-associated lymphoid tissue lymphoma presenting without symptoms or grossly apparent endoscopic lesions and diagnosed by random duodenal biopsies. Case Rep Gastroenterol. 2016 May-Aug;10(2):323-331.

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Khoury J, Alhalabi O, Haberichter K, Ogunleye F, Fennell T, Jaiyesimi I. Severe secondary hemophagocytic lymphohistiocytosis triggered by chronic active Epstein Barr virus infection. Annals of Hematology and Oncology, published online September 6, 2016.

Khoury J, Rademaker J, Yao J, Portlock C. Isolated mediastinal myeloid sarcoma: A rare presentation of extramedullary leukemic tumor. Jacobs Journal of Clinical Case Reports, published online December 22, 2016.

Lohani S, Schuiteman E, *Garg L, Yadav D, Zarouk S. Apolipoprotein C-II deposition amyloidosis: A potential misdiagnosis as light chain amyloidosis. Case Rep Nephrol, published online October 20, 2016.

Mertens A, Lakshmanadoss U, Gallagher M, Kutinsky I, Williamson B. Sudden cardiac arrest due to a single sodium channel mutation producing a mixed phenotype of Brugada and long QT3 syndromes. Indian Pacing and Electrophysiology J. 2016 Mar-Apr;16(2):66-9.

Yadav S, Sharma P, Zakalik D. Comparison of demographics, tumor characteristics, and survival between pancreatic adenocarcinomas and pancreatic neuroendocrine tumors: A population-based study. Am J Clin Oncol, published online June 17, 2016.

Yadav S, Reeves A, Campian S, Paine A, Zakalik D. Outcomes of retesting BRCA negative patients using multigene panels. Fam Cancer, published online November 22, 2016.

General Internal Medicine

Peer-Reviewed Articles: continued

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Abstracts with Associated Research Presentations:

Alhafez B, Mertens A, Ospina, L. Thyroid storm presenting as acute heart failure. American Association for Clinical Endocrinologists (AACE) Annual Meeting, Orlando, FL, May 25-29, 2016.

Alhafez B. Improving care for diabetes patients in the internal medicine clinic: A quality improvement study. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Alhalabi O, Gniado E, Ospina L. The vitamin D activating lymphoma. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Alhalabi O. Prescribing patterns of rasburicase and glucose-6-phosphate dehydrogenase (G6PD) testing in a large community health system. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Alhalabi O. Multiple sclerosis, severe hypertension, and proteinuria: Should this combination alarm you? American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Alhalabi O, Chisti M. Painful ascites due to aggressive malignancy: A prognostic dilemma. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Alhalabi O, Yadav S, Jaiyesimi I. Prescribing patterns of rasburicase and glucose-6-phosphate-dehydrogenase (G6PD) testing in a large community health system. J Clin Oncol 34, 2016 (suppl; abstr e18206).

Aneese A, Sultan R, Gjeorgjievski M, Stecevic V. Plasma cell dyscrasia and upper gastrointestinal bleeding. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Aneese A. The assessment of the evidence based medicine curriculum. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Dabaja F. Hemoptysis: A common complaint but a rare cause: Goodpasture syndrome. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

General Internal Medicine

Abstracts with Associated Research Presentations: continued

Fisher A. Medically managed choledochoduodenal fistula. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Fisher A, Gjeorgjievski M, Cappell M. Gastrointestinal stromal tumor: Searching for the bleed. Annual College of Gastroenterology (ACG) Annual Scientific Meeting, Las Vegas, NV, October 14-19, 2016.

Garg L, Pow T, Gallagher M, Abbas A, Hanzel G, Safian R, et al. Iliopsoas area as an objective frailty assessment tool for TAVR. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Ginoya Meka S, Marinos A, Berghea R. It's never too late! A case of late-onset multiple sclerosis. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Ginoya Meka S. A grapefruit-sized cyst weighing on the heart. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Ginoya Meka S, Sheldon D, Christensen P. A holey predicament. American College of Chest Physicians (CHEST), Los Angeles, CA, October 22-26, 2016.

Ginoya Meka S, Bozyk P. Tick tock: A race against the diagnostic clock! American College of Chest Physicians (CHEST), Los Angeles, CA, October 22-26, 2016.

Ginoya Meka S, Otoupalova E, Patel V, Cichewicz A, Dalal B. Rituximab: Friend or foe for pulmonary arterial hypertension? American College of Chest Physicians (CHEST), Los Angeles, CA, October 22-26, 2016.

Gjeorgjievski M, Jayaschandran V, Orosey M, Mogrovejo E, Cappell M. Gastrointestinal stromal tumor causing massive gastrointestinal bleeding. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Gjeorgjievski M. Invasive adenocarcinoma arising in a congenital enteric duplication cyst. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Gjeorgjievski M. Choledochoduodenal fistula in a patient with a percutaneous endoscopic gastrostomy. Annual College of Gastroenterology (ACG) Annual Scientific Meeting, Las Vegas, NV, October 14-19, 2016.

Golenbiewski J, Halalau A. Discordance rates of bilateral temporal artery biopsies: A retrospective analysis. American College of Rheumatology (ACR/ARHP) Annual Meeting, Washington, DC, November 11-16, 2016.

***Gualdoni J, Halalau A.** Quality improvement through media utilization in a resident internal medicine clinic. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

General Internal Medicine

Abstracts with Associated Research Presentations: continued

Hakim S, Mogrovejo E, Cappell M. A startling cause of melena and hematochezia. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Hakim S. Unusual cause of upper gastrointestinal bleeding-large gastric gastrointestinal tumor in the stomach. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Hakim S, Orosey M, Gjeorgjievski M, Bortman J, Cappell M. Pseudoaneurysm of the left gastric artery causing portal gastropathy and upper gastrointestinal bleeding. Annual College of Gastroenterology (ACG) Annual Scientific Meeting, Las Vegas, NV, October 14-19, 2016.

Hakim S, Gjeorgjievski M, Orosey M, Cappell M. Simultaneous esophageal and recto-sigmoid poorly differentiated adenocarcinoma with different MLH1 stain. Annual College of Gastroenterology (ACG) Annual Scientific Meeting, Las Vegas, NV, October 14-19, 2016.

Hakim S, Orosey M, Ramireddy S, Amin M, Cappell M. Behçet syndrome with atypical presentation and the initial EGD and the microscopic features overlapping with Crohn's disease. Advances in Inflammatory Bowel Disease Meeting, Orlando, FL, December 8-10, 2016.

Ibrahim M, Ogunleye FN, **Yadav S,** Jaiyesimi I, Zakalik D. Cancer characteristics of male BRCA mutation carriers in a Cancer Genetics Clinic database: The Beaumont Health System experience. J Clin Oncol 34, 2016 (suppl; abstr e13007).

***Issac D, Alhafez B, Halalau A.** Improving diabetes care in the internal medicine resident clinic: A quality improvement study. Michigan Summit on Quality Improvement, Troy, MI, June 3, 2016.

Jayaschandran V, Parameswaran P. Price of noncompliance with immunosuppression after renal transplantation: Is it the same for everyone? American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Jayaschandran V. Switching to azathioprine causes resolution of mycophenolate associated colitis in renal transplant recipients. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Jayaschandran V. Carcinoid tumor of gall bladder. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Jayaschandran V, Atodaria A, Gjeorgjievski S, Christensen P. Primary pulmonary synovial sarcoma. Michigan Thoracic Society Scientific Session, Novi, MI, April 27, 2016.

Jayaschandran V, Gjeorgjievski S, Siddique H. Pulmonary nocardiosis in idiopathic T cell lymphocytopenia. Primary pulmonary synovial sarcoma. Michigan Thoracic Society Scientific Session, Novi, MI, April 27, 2016.

Jayaschandran V, Soltero Mariscal E, Mina N, Patel V, Dalal B. Hot tub lung disease in the absence of non TB mycobacterium. American College of Chest Physicians (CHEST), Los Angeles, CA, October 22-26, 2016.

General Internal Medicine

Abstracts with Associated Research Presentations: continued

Keeney S, Khanal P. Anchoring bias in a case of recurrent abdominal pain. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Keeney S, Makki I, *Khaddam S, *Falatko J. Improved short-term outcomes in malignancy-associated PE with anticoagulation after IVC filter placement: A retrospective cohort. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016. **Awarded: 1st Place Oral Research.**

***Khaddam S.** Cardiomyopathy in ANCA negative Churg-Strauss. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Khanal P, Sage R, Levinson J. Hepatic abscess in primary sclerosing cholangitis mimicking inflammatory bowel disease exacerbation. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

***Khoury Abdulla R, Silverman L.** When mitral regurgitation is not just another leaky valve. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Khoury J. When leukemic cells form isolated mediastinal mass. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Klein R, Vakharia P. Bilateral facial nerve palsy: An eyebrow raising case. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Klein R. HSV hepatitis: An unforeseen morbid diagnosis. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

***Kwon M, Roberson J.** "Think outside the tube" when considering the differential diagnosis for dysphagia. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Lohani S, Sultan R, *Kassier A, Ospina L. What could the pituitary possibly hide from us? ACP Resident's Day, Sterling Heights, MI, April 29, 2016. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Lohani S, Khanal P, Khanal D, Haberichter K. Neutropenic fever, an uncommon presentation of a common deficiency. American College of Physicians (ACP) National Internal Medicine Meeting, Washington, DC, May 3-7, 2016.

Lohani S, Khanal P, Patel M, Shoichet S. A rare and catastrophic cause of myocardial infarction in a young female: Spontaneous coronary artery dissection. Residents and Fellow's Research Symposium of American Medical Association, Orlando, FL, November 11, 2016.

General Internal Medicine

Abstracts with Associated Research Presentations: continued

Lynch S, Fadlallah R. Blowing bubbles into your brain: Life-threatening or life-saving event? American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Maditz R. Preventing pregnancy and gaining calcium deposits. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Makki I. Rapid opioid detoxification gone wrong. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Matka M. Spontaneous group b streptococcus osteomyelitis pubis: A case report. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Mercado-Alamo M, Otoupalova E, Marinescu V, Dixon S. Fat embolism syndrome: A rare cause of obstructive shock. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Mercado-Alamo M, Tagami T, Makris A. Superior vena cava syndrome: A rare complication of permanent pacemaker implantation. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Mertens A, Verrill T, Gallaher M. A (VF) storm is coming: Differentiating between Brugada Syndrome and Brugada Pattern. American College of Physicians (ACP) National Internal Medicine Meeting, Washington, DC, May 3-7, 2016.

Mertens A, Isaac D, Bozyk P. It's not all in the numbers: An unusual presentation of pulmonary leukostasis without hyper leukocytosis. American College of Physicians (ACP) National Internal Medicine Meeting, Washington, DC, May 3-7, 2016.

Mertens A, Verrill T, Kerner N. Asymptomatic quadricuspid aortic valve in a 79 year old female. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016. **Awarded: 2nd Place Case Reports Category**

Ogunleye F, Ibrahim M, Blankenship L, **Yadav S**, Ifabiyi T, Douglas V, et al. Analysis of genomic aberrations and its impact on survival in patients with chronic lymphocytic leukemia (CLL) at the William Beaumont Hospital Cancer Center. Blood 2016;128:5580

Orosey M, Johnson P, ***Garg L**. Neurosyphilis: An uncommon cause of altered mental status. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Orosey M. A rare case of gastrocolic fistula-emphasizing the importance of surveillance colonoscopy. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Orosey M. An unusual presentation of a left gastric artery pseudoaneurysm. American College of Physicians (ACP) National Internal Medicine Meeting, Washington, DC, May 3-7, 2016.

General Internal Medicine

Abstracts with Associated Research Presentations: continued

Orosey M. Colonic perforation from colonic mucormycosis in an immunocompetent patient. American College of Physicians (ACP) National Internal Medicine Meeting, Washington, DC, May 3-7, 2016.

Orosey M. Gallbladder carcinoma presenting with manubrium metastasis: A rare phenomenon. American College of Physicians (ACP) National Internal Medicine Meeting, Washington, DC, May 3-7, 2016.

Osman M. Acute disseminated encephalomyelitis secondary to mycoplasma pneumonia in an adult. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Otoupalova E. A small bite with big consequences: A unique cause of rash and fever. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Otoupalova E, Ginoya Meka S, Schuiteman E, Dalal B. A case of unilateral wheezing: A surprise in the right lower lobe. American College of Chest Physicians (CHEST), Los Angeles, CA, October 22-26, 2016.

Otoupalova E, Ginoya Meka S, Dalal B, Dogra S. Recurrent chylothorax: A clinical mystery. American College of Chest Physicians (CHEST), Los Angeles, CA, October 22-26, 2016.

Schuiteman E, Otoupalova E, Ginoya Meka S, Verrill T, Mina N, Dalal B. Constriction-created catastrophe. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016. **Awarded: 1st Place Oral Clinical Vignette.** American College of Chest Physicians (CHEST), Los Angeles, CA, October 22-26, 2016.

Sczepanski M. Honey, I can't read: An uncommon yet crucial cause of stroke in a middle-aged man. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Sczepanski M. Contrary to the 90's grunge band, lithium is not associated with nirvana. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Sczepanski M. Two not always better than one: A case of concomitant neuroleptic malignant syndrome and serotonin syndrome. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Shelden D, Sultan R, Ospina L. Osteoporotic fracture as the presenting symptom of low testosterone. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Shelden D. Evaluating a pharmacist managed diabetes clinic model in improving glycemic control of high risk patients. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016. **Awarded: 3rd place Oral Research.**

General Internal Medicine

Abstracts with Associated Research Presentations: continued

Soltero Mariscal E. Recurrent lung infiltrates and anemia. A case of pulmonary hemosiderosis in an adult patient. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Szela J, Gerhardt S. Keyboard duster abuse and demyelination. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Tagami T, Mertens A, Holmes B, Makki I, *Karnib S, *Falatko J. Allopurinol to prevent post-operative atrial fibrillation after cardiac surgery. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Tagami T, *Falatko J. ICD for the prevention of sudden cardiac death: A systematic review and meta-analysis. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016.

Tagami T. Reverse takotsubo: A rare variant of stress-induced cardiomyopathy. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016.

Wang L, Lohani S, *Kazanji N, Grysiewicz R, Kaminoulu P. A peculiar cause of stroke in a young woman: Bilateral internal carotid artery occlusion. American College of Physicians (ACP) Resident's Day, Sterling Heights, MI, April 29, 2016. American College of Physicians (ACP) National Internal Medicine Meeting, Washington, DC, May 3-7, 2016.

Wang L, Brunelli B, Spero K, Sahni V. Dangers of using online supplements: The hazards of withdrawing from psychotropic drugs. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Acme, MI, September 29-October 2, 2016. American College of Physicians (ACP) National Internal Medicine Meeting, Washington, DC, May 3-7, 2016.

Yadav S, Zakalik D. Synchronous bilateral breast cancer compared to unilateral breast cancer: A population based study. 39th Annual CTRC-AACR San Antonio Breast Cancer Symposium, San Antonio, TX, December 6-10, 2016.

Yadav S, Ladkany R, Fulbright J, Dreyfuss H, Reeves A, Campian S, et al, [Thomas V, Zakalik D]. Multi-gene panel testing for hereditary cancer risk. Cancer Res 2016;76(4 Suppl):P2-09-06.

GERIATRICS

Peer-Reviewed Articles:

Marples B, McGee M, Callan S, Bowen SE, Thibodeau BJ, **Maddens M**, et al. Cranial irradiation significantly reduces beta amyloid plaques in the brain and improves cognition in a murine model of Alzheimer's Disease (AD). *Radiother Oncol.* 2016 Mar;118(3):579-80.

Abstracts with Associated Research Presentations:

Yilmaz A, Geedes T, Wilson G, Bahado-Singh RO, **Imam K, Maddens M**. Metabolomic biomarkers in saliva for the diagnosis of Alzheimer's Disease. *Metabolomics Society Meeting*, Dublin, Ireland, June 27-30, 2016.

HEMATOLOGY / ONCOLOGY

Peer-Reviewed Articles:

Chisti MM, Leo N, Shang Y, Klamerus JFA, **Jaiyesimi IA**, Zeng X. Characterization of self-assembled monolayers (SAM) of peptide mimotopes of CD20 antigen and their binding with rituximab (R) using Quartz Crystal Microbalance (QCM) Piezo-Immunosensors: A novel technique to study CD20 antigen interaction. *J Clin Oncol*. 2016;34(suppl; abstr e14004).

Chisti MM, Klamerus JF, Leo N, Shang Y, **Jaiyesimi I**, Tan L, et al. Use of piezo-immunosensors in detecting antigens and antibodies using quartz crystal microbalance (QCM): A novel technique for characterization, understanding interactions and mechanisms of action and resistance of monoclonal antibodies. *Blood*. 2016;128(22):5137.

Ezekwudo D, Tobi M. Letter: Long-term use of proton pump inhibitors and risk of neuroendocrine tumours. *Aliment Pharmacol Ther*. 2016 Mar;43(6):749.

Gronwald J, Glass K, Rosen B, Karlan B, Tung N, Neuhausen SL, **Zakalik D**, et al. Treatment of infertility does not increase the risk of ovarian cancer among women with a BRCA1 or BRCA2 mutation. *Fertil Steril*. 2016 Mar;105(3):781-785.

Ibrahim M, Ogunleye F, Stender M, Jaiyesimi I, Huben M. A case of paroxysmal cold hemoglobinuria with subsequent progression to acute myelogenous leukemia. *Ann Hematology Oncol*. 2016;3(10):1118.

Iqbal J, Nussenzweig A, Lubinski J, Byrski T, Eisen A, Bordeleau L, **Zakalik D**, et al. The incidence of leukaemia in women with BRCA1 and BRCA2 mutations: An International Prospective Cohort Study. *Br J Cancer*. 2016 May 10;114(10):1160-4.

Khoury J, Alhalabi O, Haberichter K, **Ogunleye F**, Fennell T, **Jaiyesimi I**. Severe secondary hemophagocytic lymphohistiocytosis triggered by chronic active Epstein-Barr virus infection. *Ann Hematology Oncol*. 2016; 3(8):1105.

Ogunleye F, Glick A, Stender M, Jaiyesimi I. Ibrutinib as a bruton kinase inhibitor in the management of chronic lymphocytic leukemia: A new agent with great promise. *Clin Lymphoma Myeloma Leuk*. 2016 Feb;16(2):63-69.

Ogunleye FN, Ibrahim M, Allen E, Brennan N, Huang J, Yu Z, et al, [**Huben M, Jaiyesimi I**]. BCR-ABL testing by polymerase chain reaction in patients with neutrophilia: The William Beaumont Hospital experience and the case for rational laboratory test requests. *J Oncol Pract*. 2016. Dec;12(12):e1001-e1005.

Shatavi S, **Fawole A**, Haberichter K, **Jaiyesimi I**, French C. Nuclear protein in testis (NUT) midline carcinoma with a novel three-way translocation (4;15;19)(q13;q14;p13.1). *Pathology*. 2016 Oct;48(6):620-3.

Tobi M, Thomas P, **Ezekwudo D**. Avoiding hepatic metastasis naturally: Lessons from the cotton top tamarin (*Saguinus oedipus*). *World J Gastroenterol*. 2016 Jun 28; 22(24):5479-94.

Hematology / Oncology

Peer-Reviewed Articles: continued

Yadav S, Sharma P, **Zakalik D**. Comparison of demographics, tumor characteristics, and survival between pancreatic adenocarcinomas and pancreatic neuroendocrine tumors: A population-based study. *Am J Clin Oncol*, published online June 17, 2016.

Yadav, S, Reeves A, Campian S, Paine A, **Zakalik D**. Outcomes of retesting BRCA negative patients using multigene panels. *Familial Cancer*, published online November 22, 2016.

Yu Z, Ogunleye F, Blankenship LM, Ward N, **Ezekwudo DE, Stender M**, et al, [**Gaikazian SS, Jaiyesimi I**]. Plasma cell leukemia presenting with spontaneous tumor lysis syndrome: Report of a rare case and literature review. *Ann Hematol Oncol*. 2016;3(12):1125.

Book Chapter or Full Book Publications:

Fontanesi J, Mott M, **Margolis J**, Monit G, Gerbaulet A. Soft tissue sarcoma brachytherapy. In: Montemaggi P, Trombetta M, Brady LW, editors. *Brachytherapy: An international perspective*. Cham: Springer International Publishing; 2016. p. 389-404.

Abstracts with Associated Research Presentations:

Ibrahim M, Ogunleye FN, Yadav S, **Jaiyesimi I, Zakalik D**. Cancer characteristics of male BRCA mutation carriers in a Cancer Genetics Clinic database: The Beaumont Health System experience. *J Clin Oncol*. 2016;34:e13007. American Society of Clinical Oncology Annual Meeting, Chicago, IL, June 3-7, 2016.

Marinos A, Bhagwan S, Jinna, S, **Ogunleye F**, Reddy G, Li W, et al, [**Jaiyesimi I**]. Acute kidney injury in a patient with Type II cryoglobulinemia from extranodal marginal zone lymphoma (MALT). *American Journal of Kidney Disease*. 2016;67(5):A208. American Society of Nephrology Annual Meeting, Boston, MA, November 15-20, 2016.

Ogunleye FN, Ibrahim M, Blankenship LM, Yadav S, Ifabiyi T, Douglas V, et al, [**Anderson J, Stender M, Huben M, Gaikazian S, Jaiyesimi I**]. Analysis of genomic aberrations and its impact on survival in patients with chronic lymphocytic leukemia (CLL) at the William Beaumont Hospital Cancer Center. *Blood* 2016; 128(22):5580. American Society of Hematology Lymphoma Conference, Chigago, IL, September 15-18, 2016.

Yu Z, Blankenship LM, Ibrahim M, Gbadamosi B, Stender M, Anderson J, et al, [**Jaiyesemi I**]. Does normal reticulocyte hemoglobin rule out iron deficiency as a cause of normocytic normochromic anemia? *Blood*. 2016;128(22):4826. American Society of Hematology (ASH) Annual Meeting, San Diego, CA, December 3-6, 2016.

Hematology / Oncology

Invited Research Presentations:

Glick A, Yadav S, Ogunleye F, Rana J, Marinos A, Otoupalova E, et al, [Jaiyesimi I]. Correlation between histological grade and estrogen receptor percentage with oncotype DX recurrence score in early stage breast cancer. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Ibrahim M, Ogulneye F, Jaiyesimi I, Huben M. Cold hands, warm heart: A case of paroxysmal cold hemoglobinuria. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Ibrahim M, Roye J, Ogunleye F, Jaiyesimi I. Representation of minorities in cancer clinical trials conducted at William Beaumont Hospital. Michigan Summit on Quality Improvement and Patient Safety Conference, Troy, MI, June 3, 2016.

Jinna S, **Rana J**, Huang J, **Stender M.** Follicular dendritic cell sarcoma: CHOP or not to CHOP. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Marinos A, **Glick A, Jaiyesimi I.** Case report: From lymphoid to myeloid neoplasm: Hematological malignancy with eosinophilia in a young patient. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Ogunleye F, Huang J, **Ibrahim M**, Allen E, Brennan N, **Jaiyesimi I.** Diagnostic significance of screening for BCR-ABL1 by PCR in patients with neutrophilia: The Beaumont Hospital experience. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

Rana J, Jinna S, Lipinski J, **Jaiyesimi I.** Cutaneous scalp metastasis in breast adenocarcinoma. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.

INFECTIOUS DISEASES

Peer-Reviewed Articles:

Boyanton BL Jr, **Freij B**, Robinson-Dunn B, Makin J, Runge J, Luna RA. Neonatal pasteurized milk multocida subsp septica meningitis traced to household cats: Molecular linkage analysis using repetitive sequence-based PCR. J Clin Microbiol. 2016 Jan;54(1):230-2.

Chittick P, Koppisetty S, Lombardo L, Vadhavana A, Solanki A, Cumming K, et al [***Karl C, Band J**]. Assessing patient and caregiver understanding of and satisfaction with the use of contact isolation. American Journal of Infection Control 2016 Jun 1; 44(6):657-60.

Doblecki-Lewis S, Chang A, **Jiddou-Yaldoo R**, et al. Knowledge, attitudes, and practices of Florida physicians regarding dengue before and after an educational intervention. BMC Med Educ. 2016 Apr 26;16:124

Koppisetty S, **Skrzynski AK, Lauter CB, Sims MD**. Human metapneumovirus: A rare cause of acute meningoencephalitis. J Clin Infect Dis. 2016;24(4):193-244.

Lauter CB, Koppisetty S. Recurrent idiopathic anaphylaxis in a woman after suspected food poisoning. J Allergy Clin Immunol 2016;137(2):AB53.

O'Meara C, Boyanton BL Jr, Spurlin D, **Carpenter CF**. Cutaneous alternariosis in a patient with myelodysplastic syndrome: Successful treatment with topical silver chloride gel. Inf Dis Clin Prac 2016 Mar 24(2):112-4.

Walia S, Murleedharn C, **Band J**, Kanwar M, Kumar A. Quantitation of antibiotic resistance genes pollution in hospital waste water effluent and urban Clinton River water, Michigan, USA. J Current Med Res and Practice. 2016; 7:5.

Book Chapter or Full Book Publications:

Band J, Gaynes R. Prevention of Intravenous Catheter-Related Infections. In: Basow DS (ed). Up To Date. Wolters Kluwer Health, Inc, Waltham, MA, 2016.

Band J. Treatment of Intravascular Catheter-Related Infections, In: Basow DS (ed). Up To Date. Wolters Kluwer Health, Inc, Waltham, MA, 2016.

Abstracts with Associated Research Presentations:

Alsharekh E, Carpenter CF. HSV-2 meningitis: Clinical presentation and treatment patterns. ID Week 2016, New Orleans, LA, October 26-30, 2016.

Bajrovic V, Sims MD. Vancomycin as prophylaxis of relapsing clostridium difficile infection (VAPOR CDI). ID Week 2016, New Orleans, LA, October 26-30, 2016.

Johnson P, Chittick P, Sims MD. Incidence of transaminitis during herpes simplex virus type 1 and herpes simplex virus type 2 infections. Michigan Infectious Disease Society Annual Scientific Meeting, Detroit, MI, March 19, 2016.

Infectious Diseases

Abstracts with Associated Research Presentations: continued

Lauter CB, Koppisetty S. Recurrent idiopathic anaphylaxis in a woman after suspected food poisoning. American Academy of Allergy, Asthma and Immunology Meeting, Los Angeles, CA, March 4-7, 2016.

Sims MD, Mariyanovski V, McLeroth P, Aker W, Lee Y, Brown M, et al. Phase 2 study of relebactam (REL) + Imipenem/Cilastatin (IMI) vs IMI alone in subjects with complicated urinary tract infection (cUTI). American Society for Microbiology (ASM) Microbe, Boston, MA, June 16-20, 2016.

Skrzynski AK, ***Russo V**, Boyanton BL Jr, **Band JD**. An under-diagnosed cause of morbidity and mortality in hospitalized patients: Healthcare-acquired viral infections. Microbe Annual Scientific Meeting (ASM), Boston, MA, June 2016.

Skrzynski AK, ***Russo V**, Boyanton BL Jr, **Sims MD**, **Band JD**. An under-diagnosed cause of morbidity and mortality in hospitalized patients: Healthcare-acquired viral infections. Michigan Infectious Disease Society Annual Scientific Meeting, Henry Ford Hospital, Detroit, MI, March 19, 2016. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016. **Awarded: 2nd place oral presentation – Clinical, Laboratory & Translational Research.** American Society for Microbiology (ASM) Microbe, Boston, MA, June 16-20, 2016.

Invited Research Presentations:

Sims MD. The big picture: Research as scholarly activity during residency. What does it look like? South East Michigan Center for Medical Education 2016-2017 Research Workshop Series, Session I: Formulating Research Hypothesis, Livonia, MI, October 5, 2016.

NEUROLOGY

Peer-Reviewed Articles:

Ardeshna NI. EEG and coma. Neurodiagn J. 2016;56(1):1-16.

Arndt DH, Goodkin HP, Giza CC. Early post-traumatic seizures in the pediatric population. J Child Neurol. 2016 Jan;31(1):46-56.

Loeffler DA, Klaver AC, Coffey MP, Aasly JO, LeWitt PA. Age-related decrease in heat shock 70-kDa protein 8 in cerebrospinal fluid is associated with increased oxidative stress. Front Aging Neurosci. 2016 Jul 26;8:178.

Loeffler DA, LeWitt PA, Camp DM. Nocardia asteroides-induced movement abnormalities in mice: Relevance for Parkinson's disease? Mov Disord. 2016 Aug; 31(8):1134-8.

Loeffler DA, *Smith LM, Coffey MP, Aasly JO, LeWitt PA. CSF Nrf2 and HSPA8 in Parkinson's disease patients with and without LRRK2 gene mutations. J Neural Transm (Vienna). 2016;123(3):179-87.

Sidiropoulos C, Rammo R, Merker B, Mahajan A, LeWitt P, Kaminski P, et al, [***Taylor D**]. Intraoperative MRI for deep brain stimulation lead placement in Parkinson's disease: One year motor and neuropsychological outcomes. J Neurol. 2016;263:1226-31.

Book Chapter or Full Book Publications:

Fortunato J, Wasserman JA, **Menkes DL.** Medical definitions of death. In: Schackelford TK, Weekes-Shackelford VA, editors. Encyclopedia of evolutionary psychological science. Berlin, Germany: Springer Verlag; 2016. p.1-4.

Abstracts with Associated Research Presentations:

Loeffler DA, Klaver AC, Coffey MP, Aasly JO, LeWitt PA. Antioxidant regulator Nrf2 increases with age, while molecular chaperone HSPA8 decreases, in CSF from healthy subjects: Associations with oxidative stress. Society for Neuroscience Annual Meeting, San Diego, CA, November 15, 2016.

***Taylor D.** Effect of outside influences on the therapeutic benefits of botulinum toxin injections. 20th International Congress of Parkinson's Disease and Movement Disorders, Berlin, Germany, June 19-23, 2016.

Verma N. Approach to a patient with memory loss. 34th Annual AAIMS of America Convention, Daytona Beach, FL, August 11-14, 2016.

Neurology

Website Contributions, Videoclips, or other Multi-Media Contributions:

Menkes DL. The brachial plexus: Anatomy and structure, clinical localization and electrodiagnostic features, [2nd Edition]. NeuroLearn: American Academy of Neurology, January 29, 2016.

http://tools.aan.com/education/webcme/index.cfm?event=neurolearn:info&PROGRAM_ID=196

NUTRITION and PREVENTIVE MEDICINE

Abstracts with Associated Research Presentations:

Lynch A, **Zalesin KC**. The use of dietary and weight monitoring behaviors among bariatric surgery patients: A 12-month follow-up study examining relationships with weight loss. Food and Nutrition Conference and Expo, Boston, MA, October 18, 2016.

Lloyd E, **Miller WM**. Demographic characteristics, motivators and feedback of participants attending health system-based cooking classes for children. 5th Annual William Davidson Medical Education Week, Oakland University Credit Union Dean's Choice Award Finalist, Royal Oak, MI, May 23, 2016.

OBSTETRICAL / GYNECOLOGICAL SERVICES

Peer-Reviewed Articles:

Arias M, Chevallier O, **Graham SF**, Gasull A, Crooks SRH, Danaher M, et al. Metabolomics reveals novel biomarkers of illegal 5-nitroimidazole treatment in pigs. Further evidence of drug toxicity uncovered. *Food Chem.* 2016 May 15; 199:876-884.

Bahado-Singh RO, **Graham SF**, Han B, **Turkoglu O**, Ziaeh J, Mandal R, et al. Serum metabolomic markers for traumatic brain injury: A mouse model. *Metabolomics.* 2016; 12:100.

Bahado-Singh RO, **Graham SF**, **Turkoglu O**, Beauchamp K, Bjorndahl TC, Han B, et al. Identification of candidate biomarkers of brain damage in a mouse model of closed head injury: A metabolomic pilot study. *Metabolomics.* 2016; 12(3):1-13.

Bahado-Singh RO, Syngelaki A, Mandal R, **Graham SF**, Akolekar R, Han B, et al, [**Bauer S**, **Alpay-Savasan Z**, **Turkoglu O**, **Ogunyemi D**]. Metabolomic determination of pathogenesis of late-onset preeclampsia. *J Matern Fetal Neonatal Med*, published online August 28, 2016.

Beeravolu N, Khan I, McKee C, Dinda S, Thibodeau B, Wilson GD, et al, [**Bahado-Singh RO**]. Isolation and comparative analysis of potential stem/progenitor cells from different regions of human umbilical cord. *Stem Cell Res.* 2016 May;16(3):696-711.

Cowan E, **Kumar PK**, Chevallier OP, Burch K, Grieve D, Green BD, et al. [**Graham SF**]. Treatment of lean and diet-induced obesity (DIO) mice with a novel stable obestatin analogue alters plasma metabolite levels as detected by untargeted LC–MS metabolomics. *Metabolomics.* 2016; 12(7):1-14.

Graham SF, Chevallier OP, **Kumar PK**, **Turkoglu O**, **Bahado-Singh RO**. High resolution metabolomic analysis of ASD human brain uncovers novel biomarkers of disease. *Metabolomics.* 2016; 12(4):1-10.

Graham SF, **Kumar PK**, **Bahado-Singh RO**, Robinson A, Mann D, Breen B. Novel metabolite biomarkers of Huntington's disease (HD) as detected by high resolution mass spectrometry. *J Proteome Res.* 2016 May 6;15(5):1592-601.

Graham SF, **Kumar PK**, Bjorndahl TC, Nasaruddin ML, Mandal R, Wishart DS, et al. Huntington's brain metabolome: Using ¹H NMR to investigate the biochemical mechanism behind the disease. *Biochim Biophys Acta.* 2016; 1862(9):1675-1684.

Graham SF, **Kumar PK**, Chevallier OP, **Turkoglu O**, **Bahado-Singh RO**. Metabolomic profiling of brain from infants who died from sudden infant death syndrome reveals novel predictive biomarkers. *J Perinatol*, published online September 8, 2016.

McDonald N, **Graham SF**, Watson C, Gordon A, Lalor S, Laughlin R, et al. Identifying nitrogen and carbon metabolites associated with N mineralisation in grassland soils using ¹H NMR. *Eur J Soil Sci*, 2016; 67 (6): 835-846.

Meneely JP, Chevallier OP, **Graham SF**, Greer B, Elliott CE. No evidence of the purported neurotoxin, β-methylamino-L-alanine (BMAA), in the brains of Alzheimer's patients. *Sci Rep.* 2016 Nov.8;6:36363.

Obstetrical / Gynecological Services

Peer-Reviewed Articles: continued

Moise KJ, Gandhi M, Boring NH, O'Shaughnessy R, Simpson LL, Wolfe HM, et al, [**Bronsteen R**]. Circulating cell-free DNA to determine the fetal RHD status in all 3 trimesters of pregnancy. *Obstet Gynecol*. 2016 Dec;128(6):1340-1346.

Nasaruddin ML, Hölscher C, Kehoe PG, **Graham SF**, Green BD. Wide-ranging alternations in the brain fatty acid complement of subjects with late Alzheimer's disease as detected by GC-MS. *Am J Transl Res*. 2016 Jan 15;8(1):154-165.

Pan X, Nasaruddin ML, Elliott CT, McGuinness B, Passmore AP, Kehoe P, et al, [**Graham SF**]. Alzheimer's disease-like pathology has transient effects on the brain and blood metabolome. *Neurobiol Aging*. 2016 Feb;38:151-163.

Panwar H, Calderwood D, Wylie A, **Graham SF**, Grant I, Grover S, et al. Identification of lactic acid bacteria strains modulating incretin hormone secretion and gene expression in enteroendocrine cells. *J Func Foods*. 2016; 23:348-358.

Radhakrishna U, Albayrak S, **Alpay-Savasan Z**, **Zeb A**, **Turkoglu O**, **Sobolewski P**, et al, [**Bahado-Singh RO**]. Genome-wide DNA methylation analysis and epigenetic variations associated with congenital aortic valve stenosis (AVS). *PLoS One*. 2016 May 6;11(5):e0154010.

Turkoglu O, **Zeb A**, **Graham SF**, Szyperski T, Szender JB, Odunsi K, et al, [**Bahado-Singh RO**]. Metabolomics of biomarker discovery in ovarian cancer: A systematic review of the current literature. *Metabolomics*. 2016;12(4):1-16.

Abstracts with Associated Research Presentations:

Graham SF, **Kumar PK**, **Bahado-Singh RO**, Robinson A, Mann D, Green B. Novel metabolite biomarkers of Huntington's Disease as detected by high-resolution mass spectrometry. *Metabolomics Society Meeting, Dublin, Ireland, June 27-30, 2016*.

Kirma J, **Yilmaz A**, Neville C, Green BD, Woodside J, **Graham SF**. Consumption of a Mediterranean Diet (MD) significantly alters the blood metabolome in patients with coronary heart disease. 10th Annual Short-Term Education Program for Underrepresented Persons (STEP-UP) Research Symposium, Bethesda, Maryland, July 31-August 4, 2016. Annual Biomedical Research Conference for Minority Students (ABRCMS), Tampa, FL, November 9-12, 2016.

Kumar PK, Mandal R, Stanley B, **Bahado-Singh RO**, Wishart DS, **Graham SF**. Metabolite identification using an in-house Orbitrap library matching methodology: Challenges and insights. *Metabolomics Society Meeting, Dublin, Ireland June 27-30, 2016*.

Nasaruddin ML, Pan X, Elliott CT, McGuinness B, Pasmore P, Kehoe P, et al, [**Graham SF**]. Non-targeted longitudinal profiling of the brain metabolome of the APP/PS1 mouse. *Alzheimer's Research UK Conference, Manchester, UK, March 8-9, 2016*.

Obstetrical / Gynecological Services

Abstracts with Associated Research Presentations: continued

Pan X, Nasaruddin ML, Elliott CT, McGuinness B, Passmore AP, Kehoe PG, et al, [**Graham SF**]. Targeted metabolomic profiling finds bile acid disturbances in Alzheimer's disease. Alzheimer's Research UK Conference, Manchester, UK, March 8-9, 2016.

Scott L, Zeb A, Alpay Savasan Z. Twin anemia polycythemia sequence: A complication of monochorionic diamniotic twin gestation. Michigan State American Congress of Obstetricians and Gynecologists (MSACOG), Lansing, MI, May 2016.

Uawisetwathanaa U, Xu Y, Chevallier OP, Kamolsukyonyong W, **Graham SF**, Toojinda T, et al. Multi-platform metabolomics analyses of Thai Jasmine rice and its brown planthopper (BPH)-resistant isogenic lines reveal potential metabolites for BPH resistance. 14th International Symposium on Rice Functional Genomics (ISRFG2016), Montpellier, France, September 26-30, 2016.

Yilmaz A, Geedes T, Wilson G, **Bahado-Singh RO**, Imam K, Maddens M, et al. [**Graham SF**]. Metabolomic biomarkers in saliva for the diagnosis of Alzheimer's disease. Metabolomics Society Meeting, Dublin, Ireland, June 27-30, 2016.

Invited Research Presentations:

Graham SF. Employing metabolomics to identify potential biomarkers of neurological disease. Scientific and Clinical Advances, University of California, Irvine, CA, December 1, 2016.

OPHTHALMOLOGY

Peer-Reviewed Articles:

Campbell JP, Kalpathy-Cramer J, Erdogmus D, Tian P, Kedarisetti D, Moleta C, et al, [**Drenser KA**]. Plus disease in retinopathy of prematurity. *Ophthalmology*. 2016 Nov;123(11):2338-44.

Dajee KP, *Abbey AM, **Williams GA**. Management of dislocated intraocular lenses in eyes with insufficient capsular support. *Curr Opin Ophthalmol*. 2016;27(3):191-5.

Drenser KA, Girach A, **Capone A Jr**. A randomized, placebo-controlled study of intravitreal ocriplasmin in pediatric patients scheduled for vitrectomy. *Retina*. 2016 Mar;36(3):565-75.

Faure C, Schwitzer T, Hansen C, **Randhawa S**. Diagnostic and therapeutic challenges: Mysterious blebs. *Retina*. 2016 Dec;36(12):2433-2439.

Gilbert AL, ***Thanos A**, Pineda R. Persistent blurry vision after routine eye exam. *JAMA Ophthalmol*, published online July 7, 2016.

Kalpathy-Cramer J, Campbell JP, Erdogmus D, Tian P, Kedarisetti D, Moleta C, et al, [**Drenser KA**]. Imaging and informatics in retinopathy of prematurity research consortium plus disease in retinopathy of prematurity: Improving diagnosis by ranking disease severity and using quantitative image analysis. *Ophthalmology*. 2016 Nov;123(11):2345-2351.

*Kashani AH, Zhang Y, **Capone A Jr**, **Drenser KA**, Puliafito C, Moshfeghi AA, et al, [**Williams GA**, **Trease MT**]. Impaired retinal perfusion resulting from vitreoretinal traction: A mechanism of retinal vascular insufficiency. *Ophthalmic Surg Lasers Imaging Retina*. 2016 Mar 1;47(3):1-11.

*Learned DL, **Gupta CK**, **Stec LA**, **Heidemann DG**. Perioperative corneal transplant wound dehiscence. *Anesthesiology*. 2016 Jan;124(1):185.

*Nudleman E, **Wolfe JD**, Woodward MA, *Yonekawa Y, **Williams GA**, **Hassan TS**. Worsening anatomic outcomes following aflibercept for neovascular age-related macular degeneration in eyes previously well controlled with ranibizumab. *Clin Ophthalmol*. 2016 Jun 8;10:1053-7.

Patel SN, Klufas MA, Douglas CE, Jonas KE, Ostmo S, Berrocal A, et al, [**Capone A Jr**, **Drenser KA**]. Influence of computer-generated mosaic photographs on retinopathy of prematurity diagnosis and management. *JAMA Ophthalmol*. 2016 Nov 1;124(11):1283-1289.

Quinn GE, Ells A, **Capone A Jr**, Hubbard GB, Daniel E, Eildebrand PL, et al. Analysis of discrepancy between diagnostic clinical examination findings and corresponding evaluation of digital images in the telemedicine approaches to evaluating acute-phase retinopathy of prematurity study. *JAMA Ophthalmol*. 2016 Nov 1;134 (11):1263-1270.

Rayess N, Rahimy E, Storey P, Shah CP, **Wolfe JD**, Chen E, et al. Post-injection endophthalmitis rates and characteristics following intravitreal bevacizumab, ranibizumab and aflibercept. *Am J Ophthalmol*. 2016 May;165:88-93.

Reddy DN, *Yonekawa Y, *Thomas BJ, *Nudleman ED, **Williams GA**. Long-term surgical outcomes of retinal detachment in patients with Stickler syndrome. *Clin Ophthalmol*. 2016 Aug 16;10:1531-4.

Ophthalmology

Peer-Reviewed Articles: continued

*Shah AR, *Abbey AM, *Yonekawa Y, **Khandan S, Wolfe JD, Trese MT**, et al, [**Williams GA, Capone A Jr**]. Widefield fluorescein angiography in patients without peripheral disease: A study of normal peripheral findings. *Retina*. 2016 Jun;36:1087-92.

*Shah AR, **Williams GA**. Regulatory and economic considerations of retinal drugs. *Dev Ophthalmol*. 2016;55:376-80.

*Shah AR, Xi M, *Abbey AM, *Yonekawa Y, **Faia LJ, Hassan TS**, et al, [**Ruby AJ, Wolfe JD**]. Short-term efficacy of intravitreal dexamethasone implant in vitrectomized eyes with recalcitrant diabetic macular edema and prior anti-VEGF therapy. *J Ophthalmic Vis Res*. 2016 Apr-Jun;11(2):183-7.

Sridhar J, *Yonekawa Y, Kuriyan A, Joseph A, *Thomas B, Liang M, et al, [**Wolfe JD**]. Microbiologic spectrum and visual outcomes of acute-onset endophthalmitis undergoing therapeutic pars plana vitrectomy. *Retina*, published online October 21, 2016.

***Thanos A, Faia LJ**, *Yonekawa Y, **Randhawa S**. Optical coherence tomography in acute macular neuroretinopathy. *JAMA Ophthalmol*, published online September 29, 2016.

***Thanos A**, Modjtahedi BS, Elliott DE. An unexpected post vitrectomy course. *JAMA Ophthalmol*. 2016 Aug 1;134(8):937-8.

***Thanos A, Randhawa S, Dresner KA**. Macular retinal cavernous hemangioma associated with congenital retinal macrovessel. *JAMA*. 2016 Sep 8;134(9):e161683.

***Thanos A**, *Yonekawa Y, ***Todorich B**, Huang N, **Dresner KA, Williams GA**, et al, [**Trese MT, Capone A Jr**]. Spectral-domain optical coherence tomography in older patients with history of retinopathy of prematurity. *Ophthalmic Surg Lasers Imaging Retina*. 2016 Dec 1;47(12):1086-1094.

Trese MT, Randhawa S. Vasculitic central retinal vein occlusion: The presenting sign of seronegative rheumatoid arthritis. *Am J Ophthal Case Reps*. 2016;2:26-29.

Trese MT, Capone A Jr. Immediate sequential bilateral pediatric vitreoretinal surgery: An international multicenter study. *Ophthalmology*. 2016 Aug;123(8):1802-8.

Wolfe JD, *Shah AR, *Yonekawa Y, Al Faran A, Franklin MS, *Abbey AM, et al, [**Capone A Jr**]. Receiver operating characteristic curve to predict Anti-VEGF resistance in retinal vein occlusions and efficacy of Ozurdex. *Eur J Ophthalmol*. 2016 Mar-Apr; 26(2):168-73.

*Yonekawa Y, Hypes SM, *Abbey AM, **Williams GA, Wolfe JD**. Exacerbation of macular edema associated with hyperbaric oxygen therapy. *Clin Exp Ophthalmol*. 2016 Sep;44(7):625-626.

*Yonekawa Y, ***Thanos A**, *Abbey AM, *Thomas BJ, ***Todorich B, Faia LJ**, et al, [**Williams GA, Capone A Jr, Wolfe JD, Hassan TS**]. Hybrid 25- and 27-gauge vitrectomy for complex vitreoretinal surgery. *Ophthalmic Surg Lasers Imaging Retina*. 2016 Apr 1;47(4):352-355.

Ophthalmology

Peer-Reviewed Articles: continued

*Yonekawa Y, ***Todorich B, Trese MT**. Optical coherence tomography angiography findings in Coats' disease. *Ophthalmology*. 2016 Sep;123(9):1964.

*Yonekawa Y, Wu Wei-Chi, Kusaka S, *Robinson J, Tsubioka D, Kang Kai, et al, [**Drenser KA**]. Immediate sequential bilateral pediatric vitreoretinal surgery: An international multicenter study. *Ophthalmology*. 2016 Aug;123(8):1802-8.

*Yonekawa Y, Mammo D, *Thomas B, **Wolfe JD, Hassan TS**. A comparison of intraoperative dexamethasone intravitreal implant and triamcinolone acetonide used during vitrectomy and epiretinal membrane peeling: A case control study. *Ophthalmic Surg Lasers Imaging Retina*. 2016 Mar;47(3):232-7.

*Yonekawa Y, ***Thanos A, Faia LJ**. Ultra-widefield imaging in granulomatosis with polyangiitis. *JAMA Ophthalmol*. 2016 Jul 14;134(7):e160034.

Abstracts with Associated Research Presentations:

Hypes S, *Abbey A, *Yonekawa Y, **Williams GA, Wolfe JD**. Exacerbation of macular edema associated with hyperbaric oxygen therapy. Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Seattle, WA, May 1-5, 2016.

Kogachi, K, **Wolfe JD**, *Kashani A. Retinal thickness analysis following subretinal tissue plasminogen activator for displacement of subretinal hemorrhage. Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Seattle, WA, May 1-5, 2016.

***Thanos A**, *Yonekawa Y, ***Todorich B**, Huang N, *Thomas B, **Drenser KD**, et al, [**Trese MT, Capone A Jr**]. Spectral-domain optical coherence tomography in older patients with history of retinopathy of prematurity. The Retina Society Annual Meeting, San Francisco, CA, August 9-16, 2016.

Trese MT, Capone A Jr, Drenser KD, *Todorich B, *Thanos A. Late phase fluorescein angiographic findings which can predict capillary dropout and drug treatment which can lead to capillary dropout. American Society of Retinal Specialist Meeting, Club Jules Gonin Meeting, and The Retina Society Annual Meeting, San Francisco, CA, August 9-16, 2016.

*Yonekawa Y, **Hasbrook M**, *Thomas B, Mehta N, Mane G, **Drenser KD**, et al, [**Capone A Jr, Trese MT**]. Familial exudative vitreoretinopathy: Outcomes of 332 eyes with retinal detachment. The Retina Society Annual Meeting, San Francisco, CA, August 9-16, 2016.

Invited Research Presentations:

***Thanos A**, *Yonekawa Y, ***Todorich B**, *Thomas BJ, Huang N, **Drenser KA**, et al, [**Trese MT, Capone A Jr**]. Vitreoretinal interface abnormalities in older patients with history of retinopathy of prematurity. Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Seattle, WA, May 1-5, 2016.

Ophthalmology

Invited Research Presentations: continued

***Todorich B**, ***Thanos A**, *Yonekawa Y, *Thomas BJ, Huang N, **Drenser KA**, et al, [**Trese MT**, **Capone A Jr**]. Sutureless intrascleral fixation of secondary intraocular lenses in uveitic patients. Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Seattle, WA, May 1-5, 2016.

Website Contributions, Videoclips, or other Multi-Media Contributions:

***Thanos A**, *Yonekawa Y, Yomogida K, Bloom D, **Trese MT**, **Drenser KA**. Retinal findings in abusive head trauma (shaken baby syndrome). Retina Today, March 2016.

***Thanos A**, ***Todorich B**, *Yonekawa Y*, **Trese MT**, **Capone A Jr**, **Drenser KA**. Two port vitrectomy for persistent fetal vasculature syndrome. Retina Today, July-August 2016.

ORTHOPAEDIC SURGERY

Peer-Reviewed Articles:

Churchill RS, Chuinard C, **Wiater JM**, Friedman R, Freehill M, Jacobson S, et al. Clinical and radiographic outcomes of the Simpliciti canal-sparing shoulder arthroplasty system: A prospective two-year multicenter study. *J Bone Joint Surg Am.* 2016;98(7): 552-60.

Claessen FM, Stoop N, Doornberg JN, Guitton TG, van den Beekerom MP, Ring D, et al, [**Wiater JM**]. Interpretation of post-operative distal humerus radiographs after internal fixation: Prediction of later loss of fixation. *J Hand Surg Am.* 2016 Oct;41(10):e337-e341.

Fabricant PD, Sankar WN, Seeley MA, Beaulé PE, Clohisy JC, Kim YJ, et al, [**Zaltz I**]. Femoral deformity may be more predictive of hip range of motion than severity of acetabular disease in patients with acetabular dysplasia: An analysis of the ANCHOR cohort. *J Am Acad Orthop Surg.* 2016;24(7):465-74.

***Koreckij TD, Davidson AA, Baker KC, Park DK.** Retropharyngeal steroids and dysphagia following multilevel anterior cervical surgery. *Spine.* 2016;41(9):E530-4.

Kurdziel MD, *Ennin KA, Baker KC, Verner JJ. Increasing liner anteversion decreases the interfacial strength of polyethylene liners cemented into titanium-alloy acetabular shells. *J Arthroplasty.* 2016;31(12):2922-2925.

Lombardo DJ, Khan J, Prey B, Zhang L, Petersen-Fitts GR, Sabesan VJ. Quantitative assessment and characterization of glenoid bone loss in a spectrum of patients with glenohumeral osteoarthritis. *Musculoskelet Surg.* 2016;100(3):179-85.

***Maerz T, Kurdziel MD, Newton MD, Altman P, Anderson K, Matthew HW,** et al, [**Baker KC**]. Subchondral and epiphyseal bone remodeling following surgical transection and noninvasive rupture of the anterior cruciate ligament as models of post-traumatic osteoarthritis. *Osteoarthritis Cartilage.* 2016 Apr;24(4):698-708.

***Maerz T, Newton MD, Kurdziel MD, Altman P, Anderson K, Matthew HW,** et al, [**Baker KC**]. Articular cartilage degeneration following anterior cruciate ligament injury: A comparison of surgical transection and noninvasive rupture as preclinical models of post-traumatic osteoarthritis. *Osteoarthritis Cartilage.* 2016 Nov;24(11):1918-1927.

***Maerz T, Newton MD, Matthew HW, Baker KC.** Surface roughness and thickness analysis of contrast-enhanced articular cartilage using mesh parameterization. *Osteoarthritis Cartilage.* 2016 Feb;24(2):290-8.

Matheney T, **Zaltz I**, Kim YJ, Schoenecker P, Millis M, Podeszwa D, et al. Activity level and severity of dysplasia predict age at Bernese periacetabular osteotomy for symptomatic hip dysplasia. *J Bone Joint Surg Am.* 2016 Apr 20;98(8):665-71.

Newton MD, *Davidson AA, *Pomajzl R, Seta J, Kurdziel MD, *Maerz T. The influence of testing angle on the biomechanical properties of the rat supraspinatus tendon. *J Biomech.* 2016 Dec 8;49(16):4159-4163.

Orthopaedic Surgery

Peer-Reviewed Articles: continued

Newton MD, Hartner SE, Timmons S, Delaney ND, Pirrone MG, Baker KC, *Maerz T. Contrast-enhanced μ CT of the intervertebral disc: A comparison of anionic and cationic contrast agents for biochemical and morphological characterization. *J Orthop Res* published online July 26, 2016.

Osborne JD, *Gowda AL, Wiater BP, Wiater JM. Rotator cuff rehabilitation: Current theories and practice. *Phys Sportsmed.* 2016;44(1):85-92.

***Pomajzl RJ, Baker EA, Baker KC, Fleischer MM, Salisbury MR, *Phillips DM, Fortin PT.** Case series with histopathologic and radiographic analyses following failures of fresh osteochondral allografts of the talus. *Foot Ankle Int.* 2016 Sep;37(9):958-67.

Rimmke N, *Maerz T, Cooper R, Yadavalli S, Anderson K. Arthroscopic suture bridge rotator cuff repair: Functional outcome, repair integrity, and preoperative factors related to postoperative outcome. *Phys Sportsmed.* 2016;44(2):126-32.

***Sabesan VJ, Lombardo D, Josserand D, Buzas D, Jelsema T, Petersen-Fitts GR, et al, [Wiater JM].** The effect of deltoid lengthening on functional outcome for reverse shoulder arthroplasty. *Musculoskelet Surg.* 2016 Aug;100(2):127-32.

***Sabesan VJ, Lombardo DJ, Shahriar R, Petersen-Fitts GR, Wiater JM.** The effect of glenosphere size on functional outcome for reverse shoulder arthroplasty. *Musculoskelet Surg.* 2016 Aug;100(2):115-20.

***Sabesan VJ, Steffes Z, Lombardo DJ, Petersen-Fitts GR, Jildeh TR.** Epidemiology and location of rugby injuries treated in US emergency departments from 2004 to 2013. *Open Access J Sports Med.* 2016 Oct;7:135-142.

Smith R, Lombardo DJ, Petersen-Fitts GR, Frank C, Tenbrunsel T, Curtis G, Whaley J, *Sabesan VJ. Return to play and prior performance in major league baseball pitchers after repair of superior labral anterior-posterior tears. *Orthop J Sports Med.* 2016 Dec 28;4(12):2325967116675822.

Vara AD, Wu J, Shin AY, Sobol G, Wiater BP. Video recording with a GoPro in hand and upper extremity surgery. *J Hand Surg Am.* 2016 Oct;41(10):e383-e387.

Wiater BP, *Moravek JE Jr, Kurdziel MD, Baker KC, Wiater JM. Biomechanical evaluation of all-polyethylene pegged bony ingrowth glenoid fixation techniques on implant micromotion. *Am J Orthop.* 2016 May-Jun;45(4):E211-6.

Wessell N, Khalil J, Zavatsky, Ghacham W, Bartol S. Verification of nerve decompression using mechanomyography. *Spine J.* 2016 Jun 16;16(6):679-86.

Zaltz I. Hips with protrusio acetabuli are at increased risk for failure after femoroacetabular impingement surgery: A 10-year followup. *Clin Orthop Relat Res.* 2016 Dec;474(12):2662-2663.

Orthopaedic Surgery

Abstracts with Associated Research Presentations:

Baker EA, Vara A, Fleischer MM, Fortin P, Shokuhfar T, Bhosle S, Friedrich C. In vivo biocompatibility of titania nanotube surfaces developed for enhancing osseointegration. Orthopaedic Research Society Annual Meeting, Orlando, FL, March 4-8, 2016.

Daley E, Koueiter DM, Kurdziel MD, Moore DD. Characterization of doxycycline-loaded calcium phosphate cement for treatment of aneurysmal bone cysts. Musculoskeletal Tumor Society Annual Meeting, Detroit, MI, October 5-7, 2016.

***Davidson A, Newton MD, *Maerz T, Planalp MP, Park DK, Baker KC.** Contrast-enhanced μ CT characterization of cartilage endplate morphology and extracellular matrix composition. American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, March 5-8, 2016.

***Ennin KA, Kurdziel MD, Baker KC, Verner JJ.** Increasing version decreases fixation strength of cemented acetabular liners in a biomechanical model. American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, March 5-8, 2016.

Fabricant PD, Seeley M, Clohisy JC, **Zaltz I**, Sankar WN, ANCHOR Group. Is there an association between hip motion and severity of acetabular dysplasia? American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, March 5-8, 2016.

Haggart J, Newton MD, Hartner S, *Ho A, Baker KC, Kurdziel MD, et al, [Wiater JM]. Wear rates of 32mm and 40mm glenospheres in a reverse total shoulder arthroplasty in vitro wear simulation model. Michigan Orthopaedic Society Annual Scientific Meeting, Mackinac Island, MI, June 17-19, 2016.

***Ho A, Koueiter D, Wiater BP, Wiater JM.** Acute proximal humerus fractures treated with uncemented reverse total shoulder arthroplasty. Michigan Orthopaedic Society Annual Scientific Meeting, Mackinac Island, MI, June 17-19, 2016.

Kim DH, Joshi R, Lee G-H, **Baker KC**, Arnold PM, **Park DK**, et al, [**Fischgrund JS**]. Does transforaminal lumbar interbody fusion protect against early pedicle screw loosening? American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, March 5-8, 2016.

Kim DH, Joshi R, **Baker KC**, Lee G-H, Park DK, Sasso R, et al, [**Fischgrund JS**]. Transforaminal lumbar interbody fusion protects against early pedicle screw loosening. Lumbar Spine Research Society Annual Meeting, Chicago, IL, April 14-15, 2016.

Kim DH, Joshi R, **Baker KC**, Lee G-H, Park DK, Arnold P, et al, [**Fischgrund JS**]. Rates of facet joint fusion and posteromedial fusion following elective single-level posterior instrumented lumbar spinal fusion surgery. Lumbar Spine Research Society Annual Meeting, Chicago, IL, April 14-15, 2016.

Kim DH, Praveen K, **Baker KC, Fischgrund JS.** Results of LSRS membership questionnaire regarding fusion surgery for lumbar stenosis and spondylolisthesis. Lumbar Spine Research Society Annual Meeting, Chicago, IL, April 14-15, 2016.

Orthopaedic Surgery

Abstracts with Associated Research Presentations: continued

***Koreckij T, Salisbury M, *Davidson AA, Newton MD, *Maerz T, Fischgrund JS, et al, [Park DK, Baker KC].** In vitro evaluation of a novel chitosan-hydroxyapatite-stromal cell derived factor 1a bone scaffold. Orthopaedic Research Society Annual Meeting, Orland, FL, March 4-8, 2016.

Kurdziel MD, Newton MD, *Gowda AL, Baker KC, Wiater JM. Quantitative evaluation of retrieved reverse total shoulder arthroplasty liner surface deviation and volumetric wear. Orthopaedic Research Society Annual Meeting, Orlando, FL, March 4-8, 2016.

Luczak SB, Koueiter DM, Kurdziel MD, Moore DD. Does insurance status affect the presentation of giant cell tumors of bone? Michigan Orthopaedic Society Annual Scientific Meeting, Mackinac Island, MI, June 17-19, 2016. Musculoskeletal Tumor Society Annual Meeting, Detroit, MI, October 5-7, 2016.

***Maerz T, *Davidson AA, Newton MD, Planalp M, Baker KC.** Longitudinal characterization of degenerative changes to the vertebral motion segment following puncture of the annulus fibrosus. Orthopaedic Research Society Annual Meeting, Orlando, FL, March 4-8, 2016.

***Maerz T, Davidson A, Newton MD, Salisbury M, Fleischer MM, Altman P, et al, [Kurdziel MD, Baker KC].** Systemic mesenchymal stem cell mobilization and migration following anterior cruciate ligament (ACL) rupture. Orthopaedic Research Society Annual Meeting, Orlando, FL, March 5-8, 2016.

***Maerz T, Kurdziel MD, Newton MD, Altman P, Anderson K, Baker KC.** Stem cell mobilization and changes in articular cartilage morphology following anterior cruciate ligament rupture. Michigan Orthopaedic Society Annual Scientific Meeting, Mackinac Island, MI, June 17-19, 2016

***Maerz T, Kurdziel MD, Newton MD, Altman P, Anderson K, Matthew H, et al, [Baker KC].** Subchondral and epiphyseal bone remodeling following anterior cruciate ligament rupture. American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, March 5-8, 2016.

***Maerz T, Kurdziel MD, Newton MD, Altman P, Anderson K, Matthew H, et al, [Baker KC].** Stem cell mobilization and changes in articular cartilage morphology following anterior cruciate ligament rupture. American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, March 5-8, 2016.

***Maerz T, Newton MD, *Davidson AA, Planalp M, Fischgrund JS, Baker KC.** Longitudinal characterization of vertebral body remodeling following puncture of the annulus fibrosus as a model of intervertebral disc degeneration. Lumbar Spine Research Society Annual Meeting, Chicago, IL, April 14-15, 2016.

Newton MD, Gawronski K, Baker KC, *Maerz T. Cartilage thickness and surface roughness patterns in healthy and osteoarthritis knees: 3D analysis of Osteoarthritis Initiative subjects using mesh parameterization. Orthopaedic Research Society Annual Meeting, Orlando, FL, March 4-8, 2016.

Orthopaedic Surgery

Abstracts with Associated Research Presentations: continued

Siljander M, Koueiter D, Quigley M, **Wiater PJ**. Outcomes following plate osteosynthesis of patella fractures. Michigan Orthopaedic Society Annual Scientific Meeting, Mackinac Island, MI, June 17-19, 2016.

Vara A, Baker EA, Salisbury M, Fleischer MM, Fortin P, Shokuhfar T, Friedrich C. Enhancing osseointegration of orthopaedic implants with titania nanotube surfaces. Orthopaedic Research Society Annual Meeting, Orlando, FL, March 4-8, 2016.

Vara A, Koueiter D, *Pinkas D, *Gowda A, Wiater BP, Wiater JM. Intravenous tranexamic acid reduces total blood loss in reverse total shoulder arthroplasty: A prospective, double-blinded, randomized, controlled trial. Michigan Orthopaedic Society Annual Scientific Meeting, Mackinac Island, MI, June 17-19, 2016.

Vara AD, Wu J, Shin AY, **Sobol G, Wiater B**. Video recording with a GoPro in hand and upper extremity surgery. Michigan Orthopaedic Society Annual Scientific Meeting, Mackinac Island, MI, June 17-19, 2016.

Vaupel Z, Baker EA, Anderson JG, Coetzee JC, Myerson MS, **Green G**, et al, [**Salisbury M, Baker KC, Fortin P**]. Multi-modal analysis of failed total ankle arthroplasty implants retrieved at multiple centers. American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, March 5-8, 2016.

William BR, **Fortin PT**, Gagnier J, Holmes JR, Irwin TA. Radiographic assessment of lower extremity alignment in ankle arthritis using long-leg alignment views. Mid-America Orthopaedic Association Annual Meeting, Bonita Springs, FL, April 13-17, 2016.

PATHOLOGY and LABORATORY MEDICINE

Peer-Reviewed Articles:

Boyanton BL Jr, Darnell EM, Prada AE, Hansz DM, **Robinson-Dunn B**. Evaluation of the lyra direct strep assay to detect group A streptococcus and group C and G beta-hemolytic streptococcus from pharyngeal specimens. *J Clin Microbiol*. 2016 Jan;54(1):175-7.

Boyanton BL Jr, Freij BJ, **Robinson-Dunn B**, Makin J, Runge JK, Luna RA. Neonatal *pasteurella multocida* subsp. *septica* meningitis traced to household cats: Molecular linkage analysis using repetitive-sequence-based PCR. *J Clin Microbiol*. 2016 Jan;54(1):230-2.

***Chang BN**, **Smith MP**. A case of unusual drug screening results. *Clinical Chemistry*, published online September 29, 2016.

David JA, **Huang JZ**. Diagnostic utility of flow cytometry analysis of reactive T cells in nodular lymphocyte-predominant Hodgkin lymphoma. *Am J Clin Pathol*. 2016 Jan;145(1):107-15.

Edupuganti S, Xie C, **Huang JZ**, **Chen X**, **Wey E**, **Xie M**. Clinicopathological features of primary bone marrow mature T and NK cell neoplasms. *J J Cancer Sci Res*. 2016; 2(7):046.

Gjeorgjievski M, Makki I, Khanal P, **Amin MB**, **Blenc AM**, Desai T, et al. Early, isolated duodenal mucosa-associated lymphoid tissue lymphoma presenting without symptoms or grossly apparent endoscopic lesions and diagnosed by random duodenal biopsies. *Case Rep Gastroenterol*. 2016 Jun 27;10(2):323-31.

Goncalves LF, Berger JA, **Macknis JK**, Bauer ST, Bloom DA. Grebe dysplasia: Prenatal diagnosis based on rendered 3-D ultrasound images of fetal limbs. *Pediatr Radiol*, published online September 27, 2016.

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Kermanshahi TR, Pai R. Mucinous and signet ring cell differentiation affect patterns of metastasis in colorectal carcinoma and influence survival. *Int J Surg Pathol*, published online August 29, 2016.

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Pathology and Laboratory Medicine

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Book Chapter or Full Book Publications: continued

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Edupuganti S, Xie C, Wyrzykowski M, Walley-Goike V, **Xie M**. Hemorrhagic complications and laboratory evaluation in patients receiving direct oral anticoagulant therapy. Michigan State Medical Society (MSMS) Annual Meeting, Novi, MI, October 26-29, 2016.

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Feng J, **Zhang PL**, **Hysell CK**, **Qu ZH**, **Micale MA**. Definitive cytogenetic confirmation of a desmoplastic small round cell tumor (DSRCT) in an initially unclassifiable malignant epithelioid neoplasm of small bowel of a 20-year-old man: A case report. American Society of Clinical Pathology (ASCP) Annual Meeting, Las Vegas, NV, September 14-16, 2016.

Pathology and Laboratory Medicine

Abstracts with Associated Research Presentations: continued

Gabbard A, Boyanton BL Jr, Huang J. Biclonal splenic marginal zone lymphoma, t-cell rich variant. College of American Pathologists (CAP) Annual Meeting, Las Vegas, NV, September 25-28, 2016.

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***Niravel B, Ziemba S, Ferguson C, Holden S, Fletcher CH, Millward PA.** Reducing red blood cell wastage through the use of refrigerated gel packs during pneumatic tube transport. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016. American Association of Blood Banks (AABB) Annual Meeting, Orlando, FL, October 22-25, 2016.

Pathology and Laboratory Medicine

Abstracts with Associated Research Presentations: continued

Nguyen T, Zhang PL, Qu ZH. Expression of program death ligand 1 (PD-L1) is 11.1% of hepatocellular carcinoma cases. American Society of Clinical Pathology (ASCP) Annual Meeting, Las Vegas, NV, September 14-16, 2016.

Ogunleye F, Ibbrahim M, Blackenship L, Yadav S, **Micale MA**, Douglas V, et al. Analysis of genomic aberrations and its impact on survival in patients with chronic lymphocytic leukemia (CLL) at Beaumont Hospital Cancer Center. American Society of Hematology (ASH) Meeting on Hematologic Malignancies, Chicago, IL, September 16-17, 2016.

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***Singh RI, Gabbard A, Micale M, Huang J, Smith MD.** Concurrent bone marrow involvement by plasma cell myeloma and mantle cell lymphoma: A rare finding. College of American Pathologists (CAP) Annual Meeting, Las Vegas, NV, September 25-28, 2016.

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Pathology and Laboratory Medicine

Invited Research Presentations:

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Pediatric Services

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Abstracts with Associated Research Presentations:

Batman A, **Menoch M**, Coffey M, **Levasseur K**. Utility of a PEWS to identify potential septic patients in pediatric EC. Society Emergency Medical Annual Meeting, New Orleans, LA, May 10-13, 2016.

Berger D, **Khandhar P**. Are children just little adults? The controversy of pediatric ischemic stroke treatment. 8th World Congress of Pediatric Critical Care, Toronto, Canada June 5-8, 2016. Society of Critical Care Medicine, Orlando, FL, February 20-24, 2016.

Pediatric Services

Abstracts with Associated Research Presentations: continued

Fatima A. Vedolizumab use in pediatric IBD. World Congress of Pediatric Gastroenterology, Montreal, Canada, October 5-8, 2016.

Jain I. Diffuse lung disease with grandomas in an infant: Aspiration lung injury. American Thoracic Society International Conference, San Fransisco, CA, May 13-18, 2016.

Michon A, Minarik S, Phillips D, Cutler N, Khandhar P, Payne E, et al, [Arndt D]. Vagus nerve stimulator normal mode stimulation exacerbating first degree heart block in pediatric mitochondrial disease. American Epilepsy Society Meeting, Houston, TX, December 2-6, 2016.

Patel F, **Levasseur K, Menoch M,** et al. How well do EMS providers understand disaster triage? Pediatric Academic Society Annual Meeting, Baltimore, MD, April 30-May 3, 2016.

Phillips D, Arndt D, Michon A, S. Minarik, Sankar R. Dravet Syndrome associated with a Novel Gabrg2 Variant (r323w) treated with Clobazam. American Epilepsy Society Meeting, Houston, TX, December 2-6, 2016.

Schneider M, **Menoch M, Levasseur K.** Primary language and visit return in the pediatric EC. Pediatric Academic Society Annual Meeting, Baltimore, MD, April 30-May 3, 2016.

Seltzer M, Menoch M, Chen C. Opportunistic screening for exposure to bullying in the pediatric emergency department. Pediatric Academic Society Annual Meeting, Baltimore, MD, April 30-May 3, 2016.

Vermeulen A, Menoch M. Does PEWS apply well to different hospital models? Society of Academic Emergency Med Annual Meeting, New Orleans, LA, May 10-13, 2016.

Walsh R. Twin birth weight by gestational age compared with singletons in the same institution. 15th Annual Pediatric Research Day: Immunity and Child Health. Grand Rapids, MI, March 23, 2016.

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Glaros A, Khandhar P. Review of effects of PRBC storage duration on post Tx outcomes. Peds CCM.org. <http://pedscm.org/view-review.php?id=1066>, April 23, 2016.

PHARMACEUTICAL SERVICES

Invited Research Presentations:

Eisho S, Salem NM, Hoffman JL, Koerber JM, Smythe MA. Apixaban major bleeding in atrial fibrillation: Patient characteristics, management and outcomes. 50th American Society of Health-System Pharmacists Midyear Clinical Meeting and Exhibition, Las Vegas, NV, December 4-8, 2016.

***Sienko S, *Burgos K, Hoffman JL, Koerber JM, Smythe MA.** Rivaroxaban major bleeding in practice: Patient characteristics, management, and outcomes. 45th Society of Critical Care Medicine, Orlando, FL February 20-24, 2016.

***Sienko S, *Burgos K, Hoffman JL, Koerber JM, Smythe MA.** Characterization of Warfarin major bleeding events in real-world clinical practice. 45th Society of Critical Care Medicine, Orlando, FL February 20-24, 2016.

PHYSICAL MEDICINE AND REHABILITATION

Peer-Reviewed Articles:

Ysunza A, Diez-Urdanivia S, Perez-Gil SE. Capacitación-acción participativa: Una experiencia de 24 años en las comunidades rurales de Oaxaca, México. Glob Health Promot, published online June 8, 2016.

Ysunza A, Bloom D, Chaiyasate K, Rontal M, VanHullen R, Shaheen K, et al. Velopharyngeal videofluoroscopy: Providing useful information in the era of reduced radiation and safety. Int J Pediatr Otorhinolaryngol. 2016 Oct; 89:127-132.

Abstracts with Associated Research Presentations:

Ysunza A. Videofluoroscopy: Increasing compliance and decreasing risk while providing useful information. American Cleft Palate Association 73rd Annual Meeting, Atlanta, GA, April 4-9, 2016.

Ysunza A. Imaging procedures for assessing velopharyngeal function during speech. Michigan Speech Language Hearing Association (MSHA) Annual Conference, Grand Rapids, MI, April 21-23, 2016.

Ysunza A. Prevalence of peripheral neuropathy in patients receiving treatment with Thalidomide. XXXIV Annual Meeting of Latin American Dermatologists (RADLA), Sao Paulo, Brazil, June 4-7, 2016.

Ysunza A. Interaction of radiology, otolaryngology, surgery and speech pathology in craniofacial anomalies. Beaumont Medical Staff Educational Symposium, Boyne, MI, June 23-25, 2016.

Invited Research Presentations:

Ysunza A. Diagnosis of velopharyngeal insufficiency (VPI). XV International Cleft Palate Congress, Ensenada, Baja California, Mexico, October 12-16, 2016.

Ysunza A. Individualized pharyngeal flap operations based upon findings of imaging procedures. XV International Cleft Palate Congress, Ensenada, Baja California, Mexico, October 12-16, 2016.

Ysunza A. Velopharyngeal multiplanar videofluoroscopy in the era of reduced radiation dosage and safety. XV International Cleft Palate Congress, Ensenada, Baja California, Mexico, October 12-16, 2016.

RADIATION ONCOLOGY

Peer-Reviewed Articles:

Ahmed KA, Sarangkasiri S, **Chinnaiyan P**, Sahebjam S, Yu H-M, Etame AB, et al. Outcomes following hypofractionated stereotactic radiotherapy in the management of brain metastases. *American Journal Clinical Oncology*. 2016 Aug; 39(4):379-83.

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Cohen-Inbar O, Starke RM, Pisan G, Kano H, Huang PP, Rodriguez-Mercado R, et al, [**Grills IS**]. Early versus late arteriovenous malformation responders after stereotactic radiosurgery: An international multicenter study. *J Neurosurg*. 2016 Sep 23:1-9.

Radiation Oncology

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Peer-Reviewed Articles: continued

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***Liu G**, Quan H, **Li X, Stevens C, Yan D, Ding X**. Evaluation of single field uniform dose (SFUD) proton pencil beam scanning (PBS) planning strategy for lung mobile tumor using a digital phantom. Int J Medical Phys Clin Eng Rad Onc. 2016 Nov; 5(4):5717-29.

Radiation Oncology

Peer-Reviewed Articles: continued

Liu Q, Liang J, Stanhope C, Yan D. The effect of density variation on photon dose calculation and its impact on intensity modulated radiotherapy and stereotactic body radiotherapy. *Med. Phys.* 2016 Oct; 43: 5717-29.

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***Thapa R, Wilson GD.** The importance of CD44 as a stem cell biomarker and therapeutic target in cancer. *Stem Cells Int.* 2016; 2016:2087204.

Radiation Oncology

Peer-Reviewed Articles: continued

***Thapa R, Wilson GD.** Head and neck cancer: Current treatment options and associated challenges. *Scholars J Appl Med Sci.* 2016 4:590-600.

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***Wobb JL,** Shah C, **Chen PY, Wallace M, Ye H, Jawad MS, Grills IS.** Brachytherapy-based accelerated partial breast irradiation provides equivalent 10-year outcomes to whole breast irradiation: A matched-pair analysis. *Am J Clin Oncol.* 2016 Oct;39(5):468-72.

Yee S, Chinnaiyan P, Wloch J, Pirkola M, Yan D. Possible characterization of the brain tumor vascular environment by a novel strategy of quantitative analysis in dynamic contrast enhanced MR imaging: A combination of both Patlak and Logan analyses. *Med Phys.* 2016 Jun;43(6):3343.

Radiation Oncology

Peer-Reviewed Articles: continued

Zakjevskii VV, **Knill CS**, Rakowski JT, Snyder MG. Development and evaluation of an end-to-end test for head and neck IMRT with a novel multiple-dosimetric modality phantom. J Appl Clin Med Phys. 2016 Mar;17(2).

Zhou J, *Wang Y, Ding X, Liang J, Yan D, *Marples B, et al, [Dilworth J]. Volumetric modulated arc therapy (VMAT) beam angle optimization in pulsed partial brain irradiation (PPBI) for newly diagnosed glioblastoma. Med Phys. 2016 Jun;43(6):3551.

Abstracts with Associated Research Presentations:

Barrett JC, **Knill C**. Small field correction factors for the MicroDiamond Detector in the Gamma Knife-Model C derived using Monte Carlo methods. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

***Bergsman A, Blas K, Zamdborg L, Balde K, Wloch J, Yan D, Robertson J**. The influence of bladder volume on small bowel toxicity and posterior bladder in patients undergoing chemoradiation for treatment of rectal cancer. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Blas K, Galoforo S, *Krueger SA, Wilson TG, Grills IS, *Marples B, et al, [Wilson GD]. Inhibition of PI3K and MEK in combination with radiotherapy in murine model of head and neck squamous cell carcinoma (HNSCC). 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Chen PY, *Wang Y, Zhou J, Ding X. Comparative analysis of strut-based HDR brachytherapy versus intensity modulated proton therapy for delivery of accelerated partial breast irradiation. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Chen PY, Wallace M, Ye H, Jawad M, Dilworth JT, Grills IS, et al, [Gustafson G]. Time-compressed two-day brachytherapy accelerated partial breast irradiation vs. hypofractionated whole breast external beam radiation for early-stage breast cancer: A comparative analysis of clinical effectiveness, late toxicities, and cosmesis. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Chen PY. Comparative analysis of ultra-fractionated brachytherapy two-day partial breast irradiation versus hypofractionated whole breast external beam radiation for early-stage breast cancer. American Brachytherapy Society (ABS) World Congress of Brachytherapy Convention, San Francisco, CA, June 23-30, 2016.

Chen PY. Preoperative local field irradiation for early-stage breast cancer before definitive partial mastectomy. NRG Oncology Semi-Annual Meeting, Atlanta, GA, January 21-23, 2016.

Dankwa A, Castillo E, Guerrero T. A reference data set for testing two dimension registration algorithms. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Radiation Oncology

Abstracts with Associated Research Presentations: continued

Dilworth JT, Zamdborg L, Blas K, Grills IS, Teahan M, Wallace M, et al, [Chen PY]. Left anterior descending artery avoidance for patients receiving breast irradiation. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Dilworth JT. LAD dose in treatment plans where only heart was contoured versus plans where heart and LAD were contoured. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Ding X, Li X, Dilworth JT, Guerrero TM, Kabolizadeh P. A novel gradient field matching technique using intensity modulated proton therapy for large left sided chest-wall patients. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Ding X, Zhang J, Guerrero TM, Dilworth JT, Kabolizadeh P. A novel vertebral body sparing craniospinal irradiation (VBS-CSI) planning technique using proton pencil beam scanning (PBS). Particle Therapy Co-Operative Group (PTCOG) 2016 Annual Meeting, Memphis, TN, October 23-26, 2016.

Ding X, Li X, Zhang J, Kabolizadeh P, Stevens CW, Yan D. Scanning proton arc therapy (SPArc) - the first robust and delivery-efficient spot scanning proton arc therapy. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Feng M, Matuszak M, Boike T, **Grills IS**, Kestin L, Movsas B, et al, **[Gustafson G]**. Predictors of heart dose from lung radiotherapy in a large consortium of community and academic practices (MROQC). 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Hauck C. Lymph-vascular space invasion as a risk factor for local recurrence in endometrial adenocarcinoma stratified by surgical technique. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

***Hymas R, *Krueger SA, Guerrero TM, Grills IS, *Marples B.** Multimodal imaging (PET, CT, MRI) of a murine model of radiation pneumonitis (RP) following stereotactic lung treatment. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

***Ionascu D, Castillo E, Qin A, Solis D, Lack D, Sandhu R, et al.** Performance of cross-modality DIR algorithms using images computed from a novel, tissue-like phantom capable of reproducible degrees of deformation. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Jackson M, Schubert L, Jones B, Castillo R, **Castillo E, Guerrero TM, et al.** A novel lung function imaging modality for surgical lung cancer evaluation. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Radiation Oncology

Abstracts with Associated Research Presentations: continued

Kabolizadeh P. Pattern of care and outcome for T3N0 rectal cancer using the National Cancer Data Base. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016

***Kane JL, *Krueger SA, Hanna A, Raffel TR, Wilson GD, Madlambayan GJ, et al, [*Marples B].** Tumor microenvironment response and bone marrow cell migration after pulsed radiotherapy. European Society for Radiotherapy and Oncology (ESTRO) 35 Meeting, Turin, Italy, April 29-May 3, 2016.

Knill C, Snyder M, Rakowski JT, Zhuang L, Matuszak M, Burmeister, J. Investigating correction methods for ion recombination effects in OCTAVIUS 1000 SRS measurements. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Krauss D, Ye H, Yan D, Liu Q, Liang J, Marvin K, et al, [Dimeglio T, Chen PY]. Positron emission tomography (PET) based adaptive radiotherapy for locally advanced squamous carcinoma of the head and neck: Initial results of a prospective trial. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Krauss D, Ye H, Mitchell B, Wallace M, Martinez A, Ghilezan M, et al, [Gustafson G]. Low and intermediate risk prostate cancer treatment with high-dose rate brachytherapy as monotherapy: Comparison of 19 Gy single fraction treatment with multi fraction regimen. American Brachytherapy Society (ABS) World Congress of Brachytherapy Convention, San Francisco, CA, June 23-30, 2016.

***Krueger SA, *Kane JL, Dabjan M, Hanna A, Wilson GD, Guerrero TM, et al, [*Marples B].** Characterizing pulmonary damage after thoracic irradiation using MRI, PET and CT. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Lanni T, Ding X, Kabolizadeh P, Marvin K, Stevens CW. IMPT vs VMAT for head and neck cancer: Comparing the cost of toxicities. Radiological Society of North America (RSNA) Annual Meeting, Chicago, IL, November 27-December 2, 2016.

Lee K, Dixon S, Wallace M, Krauss DJ, Stevens CW, Dilworth JT. Clinical outcomes in patients undergoing coronary brachytherapy with beta radiation after in-stent restenosis of a drug eluting stent. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Lee K, Fergus J, Marvin K, Maitz A, Macina S, Manders M, et al, [Ducharme E, Chen PY, Grills IS]. Long-term assessment of quality of life and audiometric outcomes in acoustic neuroma patients treated with stereotactic radiosurgery (SRS). 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Lee K, *Krueger SA, Buelow K, Galoforo S, Torma J, Grill IS, et al, [Wilson GD, *Marples B]. The use of Ferumoxytol and T2*-weighted MRI for non-invasive assessment of changes in tumor vascularity during radiation therapy. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Radiation Oncology

Abstracts with Associated Research Presentations: continued

Li M, Zhang L, Xiang Z, **Castillo E, Guerrero TM**. An improved fuzzy C-means algorithm for brain MRI image segmentation. Proceedings of IEEE Conference on Progress in Informatics and Computing, Shanghai, China, December 23-25, 2016.

Li X, Kabolizadeh P, Zhang J, Yan D, Qin A, Zhou J, et al, [**Stevens CW, Guerrero TM, Grills IS, Ding X**]. Dosimetric impact of using a novel robust, continuous, delivery-efficient spot-scanning proton arc therapy in treating stage III non-small-cell lung cancer patients. Particle Therapy Co-Operative Group (PTCOG) 2016 Annual Meeting, Memphis, TN, October 23-26, 2016.

Li X, Kabolizadeh P, Zhang J, Zhou J, Qin A, Yan D, et al, [**Guerrero TM, Grills IS, Stevens CW, Ding X**]. Spot-scanning proton arc (SPArc) therapy for stage III non-small-cell lung cancer. Particle Therapy Co-Operative Group (PTCOG) 2016 Annual Meeting, Memphis, TN, October 23-26, 2016.

Li X, Zhang J, Qin A, Liang J, Zhou J, Yan D, et al, [**Chen PY, Krauss DJ, Ding X**]. Effectiveness of robust treatment planning to account for inter-fractional variation in intensity modulated proton therapy for head neck cancer, American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Lin H, Ye H, Blas K, Chen PY, Dilworth JT. Improved survival for African American patients treated with breast conservation therapy compared to mastectomy for DCIS. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

***Liu G, Li X, Yan D, Ding X**. Evaluation of single field uniform dose (SFUD) proton pencil beam scanning (PBS) planning strategy for lung tumor. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

***Liu G, Qin A, Zhang J, Li X, Zhou J, Yan D**, et al, [**Chen PY, Krauss DJ, Kabolizadeh P, Guerrero TM, Stevens CW, Liang J, Ding X**]. A quick and effective method to validate patient's daily setup and geometry changes prior to proton treatment delivery based on water equivalent thickness projection imaging (WETPI) for head neck cancer (HNC) patient. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

***Marples B, Krueger SA, Wilson TG, Dabjan MB, Lee KG, Hymas RV**, et al [**Wilson GD**]. Improving the efficacy of pulsed-RT using DNA repair inhibitors: A pre-clinical study. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Qin A, Liang J, Zu J, **Castillo E, Guerrero TM, Yan D**. Impact of DIR method on treatment dose warping. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Radiation Oncology

Abstracts with Associated Research Presentations: continued

Sura K, Vu CC, Johnson D, Ye H, Stevens CW, Guerrero TM, et al, [**Grills IS**]. Intensity modulated radiation therapy (IMRT) utilization and practice patterns in the management of locally advanced non-small cell lung cancer (NSCLC) using the National Cancer Database (NCDB). 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Sura K, Grills IS, Vu CC, Stevens CW, Ye H, Guerrero TM. Improved survival with delayed radiation and sequential chemotherapy after surgery for pN2 non-small lung cancer. 100th Annual Meeting of American Radium Society (ARS), April 16-19, 2016. **Awarded: Young Oncologist.**

Thibodeau B, ***Yumpo Cardenas P**, Ahmed S, Dunn M, ***Johnson M, Wilson GD**. Next generation sequencing of brain metastasis in non-small cell lung cancer. Annual Meeting of the American Association for Cancer Research (AACR), New Orleans, LA, April 16-20, 2016.

Thibodeau BJ, ***Stone B, *Baschnagel AM**, Fortier LE, Almradi A, **Wilson GD**, et al. Gene expression profiling in long and short-term survivors after resection for pancreatic cancer. 50th Annual Meeting of the Pancreas Club, San Diego, CA, May 20-21, 2016.

Vinogradskiy Y, Miyasaka Y, Kadoya N, Castillo R, **Castillo E, Guerrero TM**, et al. Evaluating the toxicity reduction with CT-ventilation functional avoidance radiation therapy. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Vinogradskiy Y, Jackson M, Schubert L, Jones B, Castillo R, **Castillo E, Guerrero TM**, et al. 4DCT ventilation: A novel imaging modality for thoracic surgical evaluation. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Vu CC, Johnson MD, Ye H, Ducharme E, Manders M, Grills IS. Prognostic value of baseline quality-of-life in patients receiving stereotactic radiosurgery for brain metastases. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO) meeting, Boston, MA, September 25-28, 2016.

Vu CC, Sura K, Chen PY, Dilworth JT. Regional nodal irradiation in breast cancer patients with clinical N1 and pathologic N0 disease after neoadjuvant chemotherapy: An analysis of the National Cancer Data Base. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Vu CC, Sura K, Jawad M, Nandalur S. Adjuvant combined modality therapy is associated with improved overall survival in patients with stage III endometrioid adenocarcinoma: An analysis of the National Cancer Data Base. 2016 American Radium Society (ARS) Meeting, Philadelphia, PA, April 16-19, 2016.

Radiation Oncology

Abstracts with Associated Research Presentations: continued

Wallace M, Blas K, Ye H, Brown M, *Tonlaar N, Stone B, et al, [Gustafson G, Chen P, *Brabbins D, Krauss D]. High risk prostate cancer following definitive treatment with image-guided adaptive radiotherapy and high dose rate brachytherapy boost: A matched-pair comparison of clinical outcomes. American Brachytherapy Society (ABS) World Congress of Brachytherapy Convention, San Francisco, CA, June 23-30, 2016.

Wang WG, Yan D, Ye H, Gustafson G, Ghilezan M, Martinez A, Krauss D. Outcomes and toxicity from a prospective study of moderate hypofractionated radiotherapy for prostate cancer. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Wang WG, Sura K, Robertson JM, Krauss DJ, Chen PY, Grills IS. Outcomes and toxicity for treatment of adrenal metastases with radiation therapy. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Yan D, Chen S, Krauss D, Chen P, Zhu J, *Krueger SA, et al, [Wilson GD]. Selection of FDG PET based bio-parametric matrixes for tumor dose response mapping and adaptive dose painting by number. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016. **Awarded: Best of Physics**

Ye H, Blas K, Yan D, *Brabbins D, Gustafson G, Marvin K, et al. [Wallace M, Krauss DJ]. A matched comparison of patients treated with standard dose external beam radiation vs. dose-escalated, adaptive, image-guided external beam radiation for favorable intermediate risk prostate cancer. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

***Yee S, Chinnaiyan P, Wloch J, Pirkola M, Yan D.** Possible characterization of brain tumor vascular environment by a novel strategy of quantitative analysis in dynamic contrast enhanced MR imaging: A combination of both Patlak and Logan analyses. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Zamdborg L, Lee K, Harris A, Doo F, Bazil T, Xu Y, et al, [Gersten D, Grills IS, Robertson JM, Stromberg J]. Predictors of esophageal stricture after definitive chemoradiotherapy for esophageal/gastroesophageal junction carcinoma. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Zhang J, Li X, *Liu G, Liu Q, Liang J, Ding X. An investigation of multi-scanner CT Hounsfield unit calibration for pencil beam scanning proton therapy using 3D gamma analysis. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Zhang J, Li X, Ding X. The variable virtual source-to-axis distance effect on a compact proton pencil beam scanning system. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Radiation Oncology

Abstracts with Associated Research Presentations: continued

Zhang J, Nguyen D, Woods K, Tran A, **Li X**, **Ding X**, et al, [**Kabolizadeh P**, **Guerrero TM**]. Treatment planning study of normal tissue sparing with robustness optimized IMPT, 4Pi IMRT, and VMAT for head and neck cases. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Zhou J, ***Wang Y**, **Ding X**, **Liang J**, **Yan D**, ***Marples B**, et al, [**Dilworth JT**]. Volumetric modulated arc therapy (VMAT) beam angle optimization in pulsed partial brain irradiation (PPBI) for newly diagnosed glioblastoma. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Zhou J, **Ding X**, **Liang J**, **Zhang J**, ***Wang Y**, **Yan D**. 4D dose reconstruction of intensity modulated proton therapy (IMPT) based on breathing probability density function (PDF) from 4D cone beam projection images: A study for lung treatment. American Association of Physicists in Medicine (AAPM) Annual Meeting, Washington, DC, July 31-August 4, 2016.

Invited Research Presentations:

Castillo E. Image analysis methods for quantifying RT dose response of the lung. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Panel on Normal Tissue Radiobiology: Dose Tolerances and Therapeutic Ratio for SBRT, Boston, MA, September 25-28, 2016.

Castillo E. Quantifying the effects of cancer radiotherapy with CT-derived functional imaging. Institute of Mathematics and Image Computing, Colloquium, Lubeck, Germany, August 31, 2016.

Castillo E. Quantifying the effects of cancer radiotherapy with medical image analysis. Extreme Science and Engineering Discover Environment (XSEDE) Scholars Program, Rice University, Houston TX, June 28, 2016.

Chinnaiyan P, **Wilson GD**. Altered metabolism in cancer. 58th Annual Meeting of the American Society for Radiation Oncology, Boston, MA, September 25-28, 2016.

Chinnaiyan P. Radiation in the era of precision medicine. 21st Annual Scientific Meeting and Education Day of the Society for Neuro-Oncology, Scottsdale, AZ, November 16-20, 2016.

***Marples B**. Novel approaches for treating glioblastoma: Changing the pattern of radiation delivery. Colloquium at Oakland University, Department of Physics, Rochester, MI January 21, 2016.

***Marples B**. Radiation-induced changes in brain function after cranial irradiation: Radiobiology and clinical review. American Society for Radiation Oncology (ASTRO) Annual Spring Refresher Course, La Jolla, CA, March 11-13, 2016.

Radiation Oncology

Invited Research Presentations: continued

***Marples B.** What is the optimal time course for SBRT to improve outcomes: Reviewing the evidence from pre-clinical, clinical and modeling? 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Wilson GD. Precision medicine introductory presentation. ASTRO Precision Medicine in Radiation Oncology: Personalizing Radiation Treatment Workshop, Bethesda, MD, June 16-17, 2016.

Wilson GD. Precision medicine in radiation oncology: Personalizing radiation treatment. 58th Annual Meeting of the American Society for Radiation Oncology (ASTRO), Boston, MA, September 25-28, 2016.

Website Contributions, Videoclips, or other Multi-Media Contributions:

***Marples B.** Can radiotherapy treat Alzheimer's disease? Medical Physics Web, Feb 8, 2016.
<http://medicalphysicsweb.org/cws/article/research/63954>

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Peer-Reviewed Articles:

Bartley J, Killinger KA, **Boura JA**, *Gupta P, Gaines N, Gilleran JP, et al. The impact of prior back surgery on neuromodulation outcomes: A review of over 500 patients. *NeuroUrol Urodynam*, published online September 27, 2016.

Bartley JM, *Ramirez V, Killinger KA, **Boura JA**, *Gupta P, Gaines N, et al. Outcomes of sacral neuromodulation in patients with prior surgical treatment of stress urinary incontinence and pelvic organ prolapse. *Female Pelvic Med and Recon Surg*, published online September 15, 2016.

Faraj K, *Doo F, **Boura JA**, *Vereecke A, Chancellor MB. A cross-sectional study in the USA of the epidemiology and quality of life of underactive bladder symptoms. *Int Urol Nephrol*. 2016 Nov;48(11):1797-1802.

*Gupta P, *Payne J, Killinger KA, *Ehlert M, Bartley J, Gilleran J, et al, [**Boura JA**]. Analysis of sexual function changes in women undergoing pelvic organ prolapse repair with abdominal or vaginal approaches. *Int Urogyn J*. 2016 Dec; 27(12):1919-1924.

Koppisetty S, Lombardo L, Vadhavana A, Solanki A, Cumming K, ***Agboto V**, et al. Assessing patient and caregiver understanding of and satisfaction with the use of contact isolation. *American Journal of Infection Control* 2016 Jun 1; 44(6):657-60.

Loeffler DA, Klaver AC, **Coffey MP**, Aasly JO, LeWitt PA. Age-related decrease in heat shock 70-kDa protein 8 in cerebrospinal fluid is associated with increased oxidative stress. *Front Aging Neurosci*. 2016 Jul 26;8:178.

Loeffler DA, *Smith LM, **Coffey MP**, Aasly JO, LeWitt PA. CSF Nrf2 and HSPA8 in Parkinson's disease patients with and without LRRK2 gene mutations. *J Neural Transm (Vienna)*. 2016;123(3):179-87.

Maisels MJ, **Coffey MP**, Gendelman B, Smyth M, Kendall A, Clune S, et al. Diagnosing jaundice by eye-outpatient assessment of conjunctival icterus in the newborn. *J Pediatr*. 2016 May;172:212-4.e1.

Odom B, *Ehlert M, *Gupta P, Cholyway R, **Boura JA**, Killinger KA. Clinical comparison of two trial of void methods after outpatient midurethral sling placement. *Female Pelvic Med Reconstr Surg*. 2016 May-Jun;22(3):172-174.

Abstracts with Associated Research Presentations:

Bartley J, *Gupta P, Killinger KA, Gilleran J, Gaines N, *Wolfert C, et al, [**Boura JA**]. Incidence of neuromodulation device explant for magnetic resonance imaging in a single, high volume institution. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction, National Meeting (SUFU), New Orleans, LA, February 23-27, 2016.

Research Administration

Abstracts with Associated Research Presentations: continued

Batman AD, Menoch M, **Coffey MP**, Levasseur KA. Utility of a pediatric early warning score to identify disposition of potential septic patients in a pediatric emergency department. Society for Academic Emergency Medicine Annual Meeting (SAEM), New Orleans, LA, May 10-13, 2016. Society for Academic Emergency Medicine (SAEM) Midwest Regional Conference, Indianapolis, IN, September 8-9, 2016.

Dave C, Faraj K, Patel K, **Boura JA**, Vartanian S, Seifman B. Nephrometry scores do not correlate with nondiagnostic renal mass biopsies. Michigan State Medical Society Foundation, Novi, MI, October 26-29, 2016.

Gaines N, *Gupta P, Killinger KA, **Boura JA**, Sirls LT. Surgical outcomes after pelvic organ prolapse repair with hysteropexy using transvaginal mesh. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016.

Gaines N, *Gupta P, Hu JC, Killinger KA, **Boura JA**, Bartley J, et al. Does upper medial placement of a sacral lead affect neuromodulation outcomes? A radiologic study. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

*Gupta P, Gaines N, Killinger KA, **Boura JA**, Sirls LT. Sexual function in patients undergoing posterior compartment repair compared to those undergoing anterior or apical repairs. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

*Gupta P, Gilleran J, Killinger KA, Bartley J, Gaines N, *Wolfert C, et al, [**Boura JA**]. Does sex matter? A matched pairs analysis of neuromodulation outcomes in women and men. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Han E, Gaines N, *Gupta P, Farrah M, Killinger KA, **Boura JA**, et al. Pelvic floor muscle injections for hypertonicity in women. Société Internationale d'Urologie (SIU), Buenos Aires, Argentina, October 19-22, 2016.

Janfaza M, DeLaere A, ***Chen C**, Dekhne N. Impact of genetic evaluation on treatment decisions in early stage breast cancer. American Society of Breast Surgeons Annual Meeting, Dallas, TX, April 13-17, 2016.

Loeffler DA, Klaver AC, **Coffey MP**, Aasly JO, LeWitt PA. Antioxidant regulator Nrf2 increases with age, while molecular chaperone HSPA8 decreases, in CSF from healthy subjects: Associations with oxidative stress. Society for Neuroscience Annual Meeting, San Diego, CA, November 15, 2016.

Research Administration

Abstracts with Associated Research Presentations: continued

Peters KM, Killinger KA, *Gupta P, Gaines N, Bartley J, *Wolfert C, [**Boura JA**]. Patients with a variety of urological symptoms improve after tined lead implant at the pudendal nerve. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016.

Seltzer M, Menoch M, ***Chen C**. Opportunistic screening for exposure to bullying in the pediatric emergency department. Pediatric Academic Society Annual Meeting, Baltimore, MD, April 30-May 3, 2016.

SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES

BREAST CARE CENTER

GENERAL SURGERY

MULTI-ORGAN TRANSPLANT SURGERY

NEUROSURGERY

OTOLARYNGOLOGY

PEDIATRIC SURGERY

PLASTIC SURGERY

VASCULAR SURGERY

BREAST CARE CENTER

Abstracts with Associated Research Presentations:

Janfaza M, DeLaere A, *Chen C, Dekhne N. Impact of genetic evaluation on treatment decisions in early stage breast cancer. American Society of Breast Surgeons Annual Meeting, Dallas, TX, April 13-17, 2016.

Edwards C, **Dekhne N.** Feasibility of nipple-sparing mastectomy: An experience at a community hospital. Michigan Chapter American College of Surgeons 63rd Annual Meeting and 65th Annual Surgeons Competition, Mackinac Island, MI, May 18-20, 2016.

Kaufman CS, Cross MJ, Gyal S, Barone J, **Dekhne N**, Edmonson D, et al. Use of an absorbable implant to mark the lumpectomy cavity: Initial report of 300 patients in a multi-center registry data. San Antonio Breast Cancer Symposium, San Antonio, TX, December 6-10, 2016.

Website Contributions, Videoclips, or other Multi-Media Contributions:

Dekhne N. Interview with Pat Anstett explaining lumpectomy and mastectomy.
https://www.youtube.com/watch?v=_lyx0T1db6A, October 30, 2016.

GENERAL SURGERY

Peer-Reviewed Articles:

Brisbois EJ, Kim M, Wang X, **Mohammed A**, Major TC, Wu J, et al. Improved hemocompatibility of multilumen catheters via nitric oxide (NO) release from s-nitroso-n-acetylpenicillamine (SNAP) composite filled lumen. ACS Appl Mater Interfaces. 2016 Nov 2;8(43):29270-29279.

Hothem Z, Simon R, Barnes W, Mohammad A, Sevak S, Ziegler K, et al, [**Iacco A, Janczyk R**]. Effects of repealing the motorcycle helmet law in Michigan. Am J Surg, published online October 11, 2016.

Hothem Z, Bayci A, Thibodeau BJ, *Ketelsen BE, Fortier LE, Uzieblo AF, et al, [**Keidan R**]. Using global gene expression to discriminate thin melanomas with poor outcomes. Mol Cell Oncol. 2016 Nov 8;4(1):e1253527.

Trahanas J, ***Witer L**, Alghanem F, Bryner B, Iyengar A, Hirschl J, et al. Achieving twelve hour normothermic ex situ heart perfusion: An experience of forty porcine hearts. ASAIO J. 2016 Jul/Aug;62(4):470-6.

***Witer L**, Howard R, Trahanas J, Bryner B, Hoffman H, Bartlett R, et al. Large animal model of pumpless arteriovenous extracorporeal CO₂ removal via subclavian vessels. ASAIO J. 2016 Jan-Feb;62(1):110-3.

Book Chapter or Full Book Publications:

Kaplan EL, Angelos P James BC, **Najar S**, Grogran RH. Surgery of the thyroid. In: Jameson L, DeGroot LJ, deKretser DM, Guidice LC, Grossman AP, Melmed S et al. Endocrinology: Adult and pediatric. 7th ed. Philadelphia (PA): Elsevier, 2016. P. 1666-1692e4.

Abstracts with Associated Research Presentations:

Al-Hadidi A, Mohammed A, Morden R. Non-thrombogenic coating in extracorporeal circulation using nitric oxide releasing materials. Michigan Chapter American College of Surgeons 63rd Annual Meeting and 65th Annual Surgeons Competition, Mackinac Island, MI, May 18-20, 2016.

Al-Hadidi A. Training with homemade phantoms increases ultrasound-guided venous cannulation procedural competence and confidence levels among emergency medicine residents. Society for Academic Emergency Medicine (SAEM) Midwest Regional Meeting, Indianapolis, IN, September 8-9, 2016.

Aggarwal A. Wound application of nitrite enhances healing in diabetic mice. Michigan Chapter American College of Surgeons 63rd Annual Meeting and 65th Annual Surgeons Competition, Mackinac Island, MI, May 18-20, 2016.

General Surgery

Abstracts with Associated Research Presentations: continued

Arman K, Sevak S, *Woodfin A, Hothem Z, Callahan RE, Robbins J, Ziegler K. Gelatin paravertebral spine model: A practical design for training general surgery residents' basic skills in placement of a continuous infusion catheter. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016. Michigan Summit on Quality Improvement & Patient Safety, Troy, Michigan, June 3, 2016.

Barnes W, Hothem Z, Mohammad A, Simon R, Janczyk R. Effects of repealing the motorcycle helmet law in Michigan: A single county perspective. Michigan Chapter American College of Surgeons 63rd Annual Meeting and 65th Annual Surgeons Competition, Mackinac Island, MI, May 18-20, 2016.

Bayci A, Hothem Z, Totoraitis K, Thibodeau B, Wilson G, Keidan R. Gene expression patterns may predict poor prognosis in selected thin melanoma patients. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016. **Awarded: 2nd Place Winner - Clinical, Laboratory and Translational Research.** Michigan Chapter American College of Surgeons 63rd Annual Meeting and 65th Annual Surgeons Competition, Mackinac Island, MI, May 18-20, 2016.

Edwards C, Dekhne N. Feasibility of nipple-sparing mastectomy: Experience at a community hospital. Michigan Chapter American College of Surgeons 63rd Annual Meeting and 65th Annual Surgeons Competition, Mackinac Island, MI, May 18-20, 2016.

Halka J, Mohammed A, Robbins J. Alexis St. Marin gastropexy: A novel method for gastropexy during percutaneous endoscopic gastrostomy tube placement. Michigan Chapter American College of Surgeons 63rd Annual Meeting and 65th Annual Surgeons Competition, Mackinac Island, MI, May 18-20, 2016. Michigan Association for Medical Education (MAME) Michigan Summit on Quality Improvement & Patient Safety, Troy, MI, June 3, 2016.

Rizk NN, Abbott E, Rizk M, *Fischer A, Dunbar J. Gender differences in mortality following ischemia-reperfusion injury in diabetic animals. 11th Annual Academic Surgical Congress (ASC), Jacksonville, FL, February 2-4, 2016.

Sevak S, *Woodfin A, Hothem Z, Callahan RE, Robbins J, Ziegler K. A novel educational module for placement of continuous intercostal nerve blockade for traumatic rib fractures. 9th Annual American College of Surgeons (ACS) AEI Consortium Meeting, Chicago IL, March 7-8, 2016. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016. **Awarded: 2nd place winner, Medical Education Research.** Michigan Association for Medical Education (MAME) Michigan Summit on Quality Improvement and Patient Safety, Troy, Michigan, June 3, 2016.

Sevak S, *Woodfin A, Hothem Z, Callahan RE, Robbins J, Ziegler K. Solid, cystic and tubular: A compact gelatin-training model for teaching basic skills in ultrasound-guided procedures to general surgery residents. 9th Annual American College of Surgeons (ACS) AEI Consortium Meeting, Chicago IL, March 7-8, 2016. Oakland University-William Beaumont School of Medicine William Davidson Medical Education Week, Beaumont Health, Royal Oak, MI, May 18, 2016.

General Surgery

Abstracts with Associated Research Presentations: continued

Sevak S, *Woodfin A, Hothem Z, Callahan RE, Robbins J, Ziegler K. Gelatin paravertebral spine model: A practical design for training general surgery residents' basic skills in placement of a continuous infusion catheter. 9th Annual American College of Surgeons (ACS) AEI Consortium Meeting, Chicago IL, March 7-8, 2016.

Sevak S, *Woodfin A, Hothem Z, Callahan RE, Robbins J, Ziegler K. A novel educational module for placement of continuous intercostal nerve blockade for traumatic rib fractures. Oakland University-William Beaumont School of Medicine William Davidson Medical Education Week, Beaumont Health, Royal Oak, MI, May 18, 2016. **Awarded: 1st Place in the Best Poster.**

Somerset A, Sevak S, *Woodfin A, Hothem Z, Callahan RE, Robbins J, et al, [Ziegler K]. Solid, cystic and tubular: A compact gelatin-training model for teaching basic skills in ultrasound-guided procedures. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016. **Awarded: 1st place, Medical Education Research.** Annual Southeast Michigan Center for Medical Education (SEMCME) Research Forum, Oakland University, Rochester, MI, May 25, 2016. Michigan Association for Medical Education (MAME) Michigan Summit on Quality Improvement & Patient Safety, Troy, Michigan, June 3, 2016.

Invited Research Presentations:

Sevak S, Hothem Z, *Woodfin A, Callahan RE, Robbins J, Ziegler K. A novel educational module for placement of continuous intercostal nerve blockade for traumatic rib fractures. Detroit Surgical Association, Detroit, MI, March 28, 2016.

MULTI-ORGAN TRANSPLANTATION

Peer-Reviewed Articles:

Bedi DS, Krenzien F, Quante M, Uehara H, Edtinger K, Liu G, et al. Defective CD8 signaling pathways delay rejection in older recipients. *Transplantation*. 2016 Jan;100(1):69-70.

Harmath CB, Wood CG 3rd, Berggruen SM, **Tantisattamo E**. Renal pre-transplantation work-up, donor, recipient, surgical techniques. *Radiol Clin North Am* 2016 Mar; 54(2):217-234.

Tantisattamo E, Bailey JL. Is nutritional intervention a management for post-transplant hypophosphatemia? *SRL Nutr Food Sci*. 2016; 1(1):007-0012.

Tantisattamo E, Bailey JL, Gallon L. Living donation mitigates poorer outcomes in marginal recipients. *Curr Transpl Rep*. 2016; 3:121–138.

Book Chapter or Full Book Publications:

Tantisattamo E, Ratanasrimetha P, Shetty A, Ho BT, Ansari M, Friedewald J et al. Nutrition and diet-related bone disease in adult kidney transplant recipients. In: Watson RD, Mahadevan, D, editors. *Handbook of nutrition and diet in therapy of bone diseases*. Wageningen: Wageningen Academic; 2016. p. 437-490.

Abstracts with Associated Research Presentations:

Kumar T, Sovoda R, Gibson J, Britton S, Shaw AJ, Boyanton B, et al, [**Samarapungavan D**]. Quantitative real-time PCR as a surrogate method to detect BK virus (BKV) in renal transplant biopsies with negative SV-40 staining. *Modern Pathol*. 2016 Feb;29(2):406A. 105th Annual United States and Canadian Academy of Pathology (USCAP) Meeting, Seattle, WA, March 12-18, 2016.

Tantisattamo E, Chokechanachaisakul A, Pitukweerakul S, Ratanasrimetha P, Traitanon O, ***Shrivastava P**. The clinical utility of color-doppler renal ultrasound in determining vascular functional and anatomical abnormalities in kidney transplantation. 12th Annual American Society of Diagnostic and Interventional Nephrology (ASDIN) Scientific Meeting, Phoenix, AZ, February 19-21, 2016.

Tantisattamo E, Chokechanachaisakul A, Traitanon O, Shetty AA, Ho BT, Friedewald JJ, et al. Incidence and outcomes of hyponatremia in early post lung transplantation. The American Society of Transplantation (AST) Cutting Edge of Transplantation (CEOT) Meeting, Phoenix, AZ, February 19-21, 2016.

Tantisattamo E, Chokechanachaisakul A, Pitukweerakul S, Ratanasrimetha P, ***Shrivastava P**, **Samarapungavan D**. Calcineurin inhibitor-induced hyperkalemia and salt-sensitive hypertension in early post-kidney transplant period. Experimental Biology Meeting, San Diego, CA, April 2-6, 2016.

Multi-Organ Transplantation

Abstracts with Associated Research Presentations: continued

Tantisattamo E, Chokechanachaisakul A, Pitukweerakul S, Ratanasrimetha P. Acute kidney injury: Not just an acute rejection in kidney transplantation. National Kidney Foundation (NKF) Spring Clinical Meetings (SCM), Boston, MA, April 27-May 1, 2016.

Tantisattamo E, Chokechanachaisakul A, Traitanon O, Shetty AA, Ho BT, Friedewald JJ, et al. Acute hyponatremia: A predicting outcome in immediate post lung transplantation. National Kidney Foundation (NKF) Spring Clinical Meetings (SCM), Boston, MA, April 27-May 1, 2016.

Tantisattamo E, Chokechanachaisakul A, Pitukweerakul S, Ratanasrimetha P, Shetty AA, Traitanon O, et al. Is renal artery angioplasty and/or stenting a potential treatment for resistant hypertension in transplant renal artery stenosis? National Kidney Foundation (NKF) Spring Clinical Meetings (SCM), Boston, MA, April 27-May 1, 2016.

Tantisattamo E, Chokechanachaisakul A, Pitukweerakul S, Ratanasrimetha P. High dietary salt intake: An overlooked cause of posterior reversible encephalopathy syndrome in kidney transplant recipient with salt-sensitive hypertension. American Society of Hypertension (ASH) Meeting, New York, NY, May 14, 2016.

Tantisattamo E, Chokechanachaisakul A, Pitukweerakul S, Ratanasrimetha P. Aldosterone agonists: Limited utility for calcineurin inhibitor-induced hyperkalemia in hypertensive kidney transplant recipient. American Society of Hypertension (ASH) Meeting, New York, NY, May 14, 2016.

Tantisattamo E, Chokechanachaisakul A, Pitukweerakul S, Ratanasrimetha P, ***Shrivastava P**, **Samarapungavan D**, et al. Hypertensive emergency in kidney transplant recipient with autosomal dominant polycystic kidney disease. American Society of Hypertension (ASH) Meeting, New York, NY, May 14, 2016.

Tantisattamo E, Chokechanachaisakul A, Pitukweerakul S, Ratanasrimetha P, Shetty AA, Traitanon O, et al. Improved short term blood pressure control after renal artery angioplasty and/or stenting in transplant renal artery stenosis. American Society of Hypertension (ASH) Meeting, New York, NY, May 14, 2016.

Tantisattamo E, Chokechanachaisakul A, Traitanon O, Shetty AA, Ho BT, Friedewald JJ, et al. Hyponatremia in early post lung transplantation predicts patient and hospital outcomes. American Transplantation Congress (ATC), Boston, MA, June 12, 2016.

Tantisattamo E, Chokechanachaisakul A, Pitukweerakul S, Ratanasrimetha P, Shetty AA, Traitanon O, et al. Renal artery angioplasty and/or stenting in transplant renal artery stenosis: A seven year experience from a single kidney transplant center. The American Society of Transplantation (AST) Cutting Edge of Transplantation (CEOT) Meeting, Phoenix, AZ, February 19-21, 2016.

Tantisattamo E, Chokechanachaisakul A, Pitukweerakul S, Ratanasrimetha P, Shetty AA, Traitanon O, et al. Renal allograft outcomes with renal artery angioplasty and/or stenting in transplant renal artery stenosis. American Transplantation Congress (ATC), Boston, Massachusetts, June 12, 2016.

Multi-Organ Transplantation

Abstracts with Associated Research Presentations: continued

Tantisattamo E, Chokechanachaisakul A, Pitukweerakul A, Ratanasrimetha P, Shetty AA, Traitanon O, et al. Transplant outcomes of transplant renal artery stenosis after renal artery angioplasty and/or stenting. European Renal Association, 53rd Congress European Dialysis and Transplant Association (ERA-EDTA), Vienna, Austria, May 21-24, 2016.

Tantisattamo E, Sukhumthammarat W, Putthapiban P, Vutthikraivit W, Pitukweerakul S. Improved post-transplant hypertension from non-hypertensive kidneys: An experience from mate kidney analyses. 26th International Society of Hypertension Meeting, Seoul, Korea, September 24-29, 2016.

Tantisattamo E, Sukhumthammarat W, Putthapiban P, Vutthikraivit W, Pitukweerakul S. Improvement in post-transplant hypertension in living donor renal transplantation. 6th Annual Meeting of the North American Artery (NAA) Society, Chicago, IL, September 8-10, 2016.

Tantisattamo E, Sukhumthammarat W, Putthapiban P, Vutthikraivit W, Pitukweerakul S. Improvement in post-transplant hypertension in living donor renal transplantation: Rebound weight gain and blood pressure control after living kidney donation and kidney transplantation. 6th Annual Meeting of the North American Artery (NAA) Society Meeting, Chicago, IL, September 8-10, 2016.

Tantisattamo E, Shetty AA, Gallon L. Renal artery angioplasty improves short-term blood pressure and renal allograft function in transplant renal artery stenosis. American Society of Nephrology (ASN) Annual Meeting, Chicago, IL, November 17, 2016.

Tantisattamo E, Sukhumthammarat W, Putthapiban P, Vutthikraivit W. Post-transplant hypertension: A potential role of genetic kidney disease. American Society of Nephrology (ASN) Annual Meeting, Chicago, IL, November 17, 2016.

Tantisattamo E, Vutthikraivit W, Sukhumthammarat W, Putthapiban P. Kidney transplantation from non-hypertensive unrelated donor: Correction of post-transplant hypertension. American Heart Association (AHA) Annual Meeting, New Orleans, LA, November 12-16, 2016.

Non Peer-Reviewed Publications:

Tantisattamo E. Post-transplant hypertension: An old disease in a new kidney. Part 1 of 3; Part 2 of 3; Part 3 of 3. American Society of Transplantation Trainee and Young Faculty Community of Practice (TYF COP) online Blog. April 2016.

Tantisattamo E. Can new evidence be applied to kidney transplant recipients? A SPRINT Trial. American Society of Transplantation Trainee and Young Faculty Community of Practice (TYF COP) online Blog. June 2016.

Multi-Organ Transplantation

Non Peer-Reviewed Publications: continued

Tantisattamo E. Intradialytic hypotension and outcomes after kidney transplantation. American Society of Transplantation Trainee and Young Faculty Community of Practice (TYF COP) online Blog. September 2016.

NEUROSURGERY

Peer-Reviewed Articles:

Beeravolu N, Khan I, McKee C, Dinda S, Thibodeau B, Wilson GD, et al, [**Perez-Cruet M**]. Isolation and comparative analysis of potential stem/progenitor cells from different regions of human umbilical cord. *Stem Cell Res.* 2016 May;16(3):696-71

Ysunza A, Diez-Urdanivia S, Perez-Gil SE. Capacitación-acción participativa: Una experiencia de 24 años en las comunidades rurales de Oaxaca, México. *Glob Health Promot*, published online June 8, 2016.

Ysunza A, Bloom D, Chaiyasate K, Rontal M, VanHullen R, Shaheen K, et al. Velopharyngeal videofluoroscopy: Providing useful information in the era of reduced radiation and safety. *Int J Pediatr Otorhinolaryngol.* 2016 Oct; 89:127-132.

Abstracts with Associated Research Presentations:

Ysunza A. Videofluoroscopy: Increasing compliance and decreasing risk while providing useful information. American Cleft Palate Association 73rd Annual Meeting, Atlanta, GA, April 4-9, 2016.

Ysunza A. Imaging procedures for assessing velopharyngeal function during speech. Michigan Speech Language Hearing Association (MSHA) Annual Conference, Grand Rapids, MI April 21-23, 2016.

Ysunza A. Prevalence of peripheral neuropathy in patients receiving treatment with Thalidomide. XXXIV Annual Meeting of Latin American Dermatologists (RADLA), Sao Paulo, Brazil, June 4-7, 2016.

Ysunza A. Interaction of radiology, otolaryngology, surgery and speech pathology in craniofacial anomalies. Beaumont Medical Staff Educational Symposium, Boyne, MI, June 23-25, 2016.

Invited Research Presentations:

Ysunza A. Diagnosis of velopharyngeal insufficiency (VPI). XV International Cleft Palate Congress, Ensenada, Baja California, Mexico, October 12-16, 2016.

Ysunza A. Individualized pharyngeal flap operations based upon findings of imaging procedures. XV International Cleft Palate Congress, Ensenada, Baja California, Mexico, October 12-16, 2016.

Ysunza A. Velopharyngeal multiplanar videofluoroscopy in the era of reduced radiation dosage and safety. XV International Cleft Palate Congress, Ensenada, Baja California, Mexico, October 12-16, 2016.

OTOLARYNGOLOGY

Peer-Reviewed Articles:

Hong RJ, Metz CM, **Bojrab DI**, **Babu SC**, **Zappia J**, **Sargent EW**, et al, [**Chan EY**, **Naumann IC**, **LaRouere MJ**]. Acoustic reflex screening of conductive hearing loss for third window disorders. *Otolaryngol Head Neck Surg*. 2016 Feb;154(2):343-8.

Joseph JX, Svider PF, Shaigany K, Eloy JA, McDonald PG, Folbe AJ, et al, [**Hong RS**]. Hearing aid patient education materials: Is there room for improvement? *J Am Acad Audiol*. 2016 Apr;27(4):354-9.

Metrailler AM, **Babu SC**. Management of sudden sensorineural hearing loss. *Curr Opin Otolaryngol Head Neck Surg*. 2016 Oct;24(5):403-6.

Sargent EW, Liao E, Gonda RL Jr. Cochlear patency after transmastoid labyrinthectomy for Meniere's Syndrome. *Oto Neurotol*. 2016 Aug;37(7):937-9.

Sugihara EM, **Babu SC**, Kitsko DJ, Hauptert MS, Thottam PJ. A large multicenter review. *Oto Neurotol*. 2016 Oct;37(9):1370-5.

Invited Research Presentations:

Babu S. Invited panel participant in Miniseminar. Conductive hearing loss is not all otosclerosis. American Academy of Otolaryngology-Head and Neck Surgery, San Diego, CA, September 18-21, 2016.

Babu S. Invited panel participant in miniseminar: Cranial neuropathy: Cost effective management. American Academy of Otolaryngology-Head and Neck Surgery, San Diego, CA, September 18-21, 2016.

Babu S. Update on eustachian tube disorders. Otolaryngology update for the practicing otolaryngologist. Michigan Ear Institute (MEI) Annual Conference, Traverse City, MI, June 11-12, 2016.

Bojrab DI. Revisiting the endaural approach to ear surgery and hearing reconstruction. Annual Clinical Assembly of the American Osteopathic Colleges of Ophthalmology and Otolaryngology Head and Neck Surgery (AOCOO-HNS) Foundation, Scottsdale, AZ, May 7, 2016.

Bojrab DI. Observe, operate or radiate: Trends in acoustic neuroma. Annual Clinical Assembly of the American Osteopathic Colleges of Ophthalmology and Otolaryngology Head and Neck Surgery (AOCOO-HNS) Foundation, Scottsdale, AZ, May 7, 2016.

Bojrab DI. Surgical decision making in cholesteatoma. American Academy of Otolaryngology-Head and Neck Surgery, San Diego, CA. September 18-21, 2016.

Evans M, **Chan EY**. Acquired external auditory canal atresia: A comparison of alloderm and split thickness skin grafting techniques. Combined Otolaryngology Society Meetings (COSM), Chicago IL, May 18-22, 2016.

Otolaryngology

Invited Research Presentations: continued

Evans M, Sugihara E, **Babu S**. The effect of ITS injection frequency on sudden hearing loss. American Academy of Otolaryngology-Head and Neck Surgery, San Diego, CA. September 18-21, 2016.

McNulty B, **Babu SC, LaRouere MJ, Bojrab DI**. Middle cranial fossa encephaloceles: Outcomes and approaches. North American Skull Base Society Meeting, Scottsdale, AZ, February 12-14, 2016.

Metrailler A, **Babu SC, LaRouere MJ, Bojrab DI**. Quality of life in 2 stage acoustic neuroma approaches. North American Skull Base Society Meeting, Scottsdale, AZ, February 12-14, 2016.

Sargent E, Liao E, Gonda R. Cochlear patency after transmastoid labyrinthectomy for Ménière's Syndrome. Combined Otolaryngology Society Meetings (COSM), Chicago IL, May 18-22, 2016.

PEDIATRIC SURGERY

Peer-Reviewed Articles:

Al-Hadidi A, Azmath M, Morden R. Thyroglossal duct papillary carcinoma with squamous metaplasia in a 12-year-old female and review of the literature. J Ped Surg Case Reports, published online September 15, 2016.

Davis J, **Novotny NM**, Macknis J, Alpay-Savasan Z, Goncalves LF. Diagnosis of neonatal neuroblastoma with postmortem magnetic resonance imaging. Rad Case Reports, published online December 7, 2016.

Veenstra M, Koffron A. Minimally invasive liver resection in pediatric patients: Initial experience and outcomes. HPB (Oxford). 2016 Jun;18(6):51822.

Abstracts with Associated Research Presentations:

Johnson N, Sevak S, Akay B, Bloom DA. Anomalous pancreatic ductal system causing a delayed diagnosis of duodenal atresia. Michigan Chapter American College of Surgeons 63rd Annual Meeting and 65th Annual Surgeon's Competition, Mackinac Island, MI, May 18-20, 2016. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016. **Awarded: 1st Place, Case Reports.**

Godoy-Lenz J, Puentes MC, Leopold E, Ortega M, **Novotny NM**. The burnia: Laparoscopic sutureless inguinal hernia repair in girls. International Pediatric Endosurgery Group 25th Annual Congress for Endosurgery in Children, Fukuoka, Japan, May 24-28, 2016.

Alslaim HS, **Novotny NM**. A safer laparoscopic ladd procedure. International Pediatric Endosurgery Group (IPEG) Middle East Chapter Annual Meeting, Cairo, Egypt, November 30-December 2, 2016.

PLASTIC SURGERY

Peer-Reviewed Articles:

Ysunza A, Bloom D, **Chaiyasate K**, Rontal M, VanHullen R, Shaheen K, et al. Velopharyngeal videofluoroscopy: Providing useful information in the era of reduced radiation and safety. *Int J Pediatr Otorhinolaryngol*. 2016 Oct; 89:127-132.

VASCULAR SURGERY

Peer-Reviewed Articles:

Bannazadeh M, Adeyemo A, *Munoz Y, Jenkins C, Altshuler J, Sakwa M, et al, [Brown OW]. Aneurysmal degeneration in patients with type B aortic dissection. *Ann Vasc Surg.* 2016 Oct;36:121-126.

Catanescu I, **Long G, Bove P,** Khoury M, **Brown OW, Rimar S,** et al, **[Uzieblo M].** Rupture of abdominal aortic aneurysm in patients with and without antecedent endovascular repair. *Ann Vasc Surg*, published online August 12, 2016.

Abstracts with Associated Research Presentations:

Aggarwal A, Madigan M, Cody E, Tzeng E. Wound application of nitrite enhances healing in diabetic mice. 10th Annual Introduction to Academic Vascular Surgery, Tampa, FL, April 23, 2016. Vascular Research Initiatives Conference, Nashville TN, May 4, 2016.

Loeffler J, Obara H, **Bove P,** Newton D, Zettervall S, van Petersen A, et al. Medical therapy and intervention do not improve uncomplicated isolated mesenteric artery dissection outcomes over observation alone. *J Vasc Surg.* 2016 Aug;64(2): 542. Western Vascular Society 31st Annual Meeting, Colorado Springs, CO, September 24-27, 2016.

Invited Research Presentations:

Brown OW. Vascular trauma. State-wide Campus System General Surgery Educational Day, Cleary University, Howell, MI, March 23, 2016.

Brown OW. Work-up for lower extremity pain. State-wide Campus System General Surgery Educational Day, Cleary University, Howell, MI, March 23, 2016.

Mattos MA, **Brown OW.** Advanced vascular surgery surgical skills and simulated assessment program for senior vascular surgery trainees. Association of Program Directors in Vascular Surgery (APDVS) Annual Meeting, Chicago, IL, April 1, 2016.

Brown OW. Medical malpractice: How to avoid going from the operating room to the Courtroom. Golf Coast Vascular Surgery Society, New Orleans, LA, October 8, 2016.

Brown OW. Should all surgeons have to work on simulators, VEITH Symposium, New York, NY, November 15-19, 2016.

Brown OW. We have a duty to report unethical procedures or malpractice to hospital administrators, state misconduct boards and patients seeking a second opinion: Why it does not happen and what to do if such reporting does no good because of administrator inaction. VEITH Symposium, New York, NY, November 15-19, 2016.

Vascular Surgery

Invited Research Presentations: continued

Brown OW. Informed consent for vascular access surgery: What to discuss and what to document. VEITH Symposium, New York, NY, November 15-19, 2016.

Nguyen D, **Shanley CJ**, Ragheb S. Immunohistochemical analysis of potential biomarkers of plaque instability in carotid atherosclerosis patients. OUWB School of Medicine Capstone Abstract Presentations, Royal Oak, MI, May 23, 2016. **Awarded: Dean's Choice Finalist.**

Shanley CJ. Surgical management of carotid bifurcation atherosclerosis: The conundrum of clinical equipoise. Surgical Grand Rounds, Wayne State University School of Medicine, Detroit, MI, January 6, 2016.

Non Peer-Reviewed Publications:

Nguyen D (Physician Mentor - **Charles Shanley, MD**). Immunohistochemical analysis of potential biomarkers of plaque instability in carotid atherosclerosis patients. Scientific Councils of the American Heart Association, July 2016.

UROLOGY

Peer-Reviewed Articles:

Auffenberg GB, Linsell S, Shir A, Myers SN, **Rosenberg B**, Miller DC. Comparison of pathological outcomes for men with low risk prostate cancer from diverse practice settings: Similar results from immediate prostatectomy or initial surveillance with delayed prostatectomy. Michigan Urological Surgery Improvement Collaborative (MUSIC). J Urol 2016. Nov;196(5):1415-1421.

Bartley J, Killinger KA, Boura JA, ***Gupta P, Gaines N, Gilleran JP**, et al, [**Peters KM**]. The impact of prior back surgery on neuromodulation outcomes: A review of over 500 patients. Neurourol Urodynam, published online September 27, 2016.

Bartley JM, *Ramirez V, Killinger KA, Boura JA, ***Gupta P, Gaines N**, et al, [**Gilleran JP, Peters KM**]. Outcomes of sacral neuromodulation in patients with prior surgical treatment of stress urinary incontinence and pelvic organ prolapse. Female Pelvic Med and Recon Surg, published online September 15, 2016.

Chai TC, Moalli PA, Richter HE, Lake AG, Kim HY, Nager CW, et al, [**Sirls LT**]. Preoperative urodynamic parameters (Valsalva leak point pressure and maximum urethral closure pressure), urinary collagen and plasma vitamin D levels as predictors of mid urethral sling surgery outcome. J Urol. 2016 Sep;196(3):819-23.

Chancellor MB, Yehoshua A, Waweru C, Globe D, Cheng IN, Campbell KL, et al. Limitations of anticholinergic cycling in patients with overactive bladder (OAB) with urinary incontinence (UI): Results from the CONsequences of treatment refractory overactive bladder (CONTROL) study. Int Urol Nephrol. 2016;48:1029-1036.

Chartier-Kastler E, Rovner E, Hepp Z, Khalaf K, Ni Q, **Chancellor MB**. Patient-reported goal achievement following Onabotulinumtoxin A treatment in patients with neurogenic detrusor overactivity. Neurourol Urodyn. 2016 Jun;35(5):595-600.

Chehab M, Friedlander JA, Handel J, Vartanian S, Krishnan A, Wong CY, et al, [**Korman H, Seifman B**]. Percutaneous cryoablation vs partial nephrectomy: Cost comparison of T1a tumors. J Endourol. 2016 Feb;30(2):170-6.

Chermansky CJ, **Chancellor MB**. Use of botulinum toxin in urologic diseases. Urology. 2016 May; 91:21-32.

Chin JL, Billia M, **Relle J**, Roethke MC, Popeneciu IV, Kuru TH, et al, [**Hafron J**]. Magnetic resonance imaging-guided transurethral ultrasound ablation of prostate tissue in patients with localized prostate cancer: A prospective phase 1 clinical trial. Eur Urol. 2016 Sep;70(3):447-455.

Dave C, Seifman B, *Chennamsetty A, Frontera R, **Faraj K**, Nelson R, et al, [**Schervish EW**]. Office based ultrasound guided renal core biopsy is safe and efficacious in the management of small renal masses. Urology, published online December 23, 2016.

***Ehlert MJ, *Gupta P, Park J, Sirls LT**. Detailed cost analysis of robotic sacrocolpopexy compared to transvaginal mesh repair. Urology. 2016 Nov;97:86-91.

Urology

Peer-Reviewed Articles: continued

Elgin R, Pacha T, Di Loreto R, **George V**. Office based photovaporization of the prostate for benign prostatic hyperplasia: Outcomes and patient satisfaction. *Urology Practice*. 2016;3:70-75.

Faraj K, *Doo F, Boura J, ***Vereecke A, Chancellor MB**. A cross-sectional study in the USA of the epidemiology and quality of life of underactive bladder symptoms. *Int Urol Nephrol*. 2016 Nov;48(11):1797-1802.

Gaines N, *Gupta P, Sirls LT. Pelvic prolapse repair in the era of mesh. *Curr Urol Rep*. 2016 Mar;17(3):20.

Gilleran JP. Sacral neuromodulation: Strong enough for a man, but made for a woman? *AUA News*, January 2016.

***Gupta P, *Payne J, Killinger KA, *Ehlert M, Bartley J, Gilleran J**, et al, [**Sirls LT**]. Analysis of sexual function changes in women undergoing pelvic organ prolapse repair with abdominal or vaginal approaches. *Int Urogyn J*. 2016 Dec; 27(12):1919-1924.

Hollander JB. Review of "The nurse practitioner in urology". *Int Urol Nephrol*. 2016 Nov;48(11):1841.

Honda M, Hikita K, Kawamoto B, Muraoka K, Shimizu S, Saito M, et al, [**Chancellor MB**]. Spinal glycine transporter-1 inhibition influences the micturition reflex in urethane-anesthetized rats. *Int Urol Nephrol*. 2016 Mar;48(3):349-54.

Honda M, Yoshimura N, Kawamoto B, Hikita K, Muraoka K, Shimizu S, et al, [**Chancellor MB**]. Anandamide transporter-mediated regulation of the micturition reflex in urethane-anesthetized rats. *Int Urol Nephrol*. 2016 Sep;48(9):1407-12.

***Hung J**, Taylor AR, Divine GW, **Hafron JM**, Hwang C. The effect of time to castration resistance on outcomes with abiraterone and enzalutamide in metastatic prostate cancer. *Clin Genitourin Cancer*. 2016 Oct;14(5):381-388.

Janicki JJ, **Chancellor MB**, Kaufman J, Gruber MA, Chancellor DD. Potential effect of liposomes and liposome-encapsulated botulinum toxin and tacrolimus in the treatment of bladder dysfunction. *Toxins*. 2016 Mar;18:8(3).

Jhang JF, Birder LA, **Chancellor MB**, Kuo HC. Patient characteristics for different therapeutic strategies in the management of ketamine cystitis. *Neurourol Urodyn*, published online March 21, 2016.

Kashyap M, Pore S, **Chancellor MB**, Yoshimura N, Tyagi P. Bladder overactivity involves overexpression of MicroRNA 132 and nerve growth factor. *Life Sci*. 2016 Dec 15;167:98-104.

Kawamorita N, Yoshikawa S, Kashyap M, Tyagi P, Arai U, **Chancellor MB**, et al. Liposome based intravesical therapy targeting nerve growth factor ameliorates bladder hypersensitivity in rats with experimental colitis. *J Urol*. 2016 June;195(6):1920-6.

Urology

Peer-Reviewed Articles: continued

Lamb LE, Bartolone SN, Kutluay SB, Robledo D, Porras A, Plata M, **Chancellor MB.** Advantage of urine based molecular diagnosis of Zika virus. *Int Urol Nephrol.* 2016 Dec; 48(12):1961-6.

Lamb LE, Bartolone SN, Kutluay SB, Robledo D, Porras A, Plata M, et al, [**Chancellor MB**]. Reply to the letter: Urine based molecular diagnosis of Zika virus by Viroj Wiwanitkit. *Int Urol Nephrol.* 2016 Dec;48(12):2025.

Luckenbaugh AN, Aufferberg GB, Hawken SR, Dhir A, Linsell S, **Kaul S,** et al. Variation in guideline concordant active surveillance followup in diverse urology practices *J Urol,* published online September 20, 2016.

Myers SN, Ghani KR, Lane BR, **Schervish EW,** Gao Y, et al. Notable outcomes and trackable events after surgery: Evaluating an uncomplicated recovery after radical prostatectomy. *J Urol.* 2016 Aug;196(2):399-404.

***Nault R, *Gupta P, *Ehlert M, *Dove-Medows E,** Seltzer M, ***Carrico DJ,** et al, [**Gilleran J, Bartley J, Peters KM, Siris LT**]. Does a history of bullying and abuse predict lower urinary tract symptoms, chronic pain, and sexual dysfunction? *Int Urol Nephrol.* 2016 Nov;48(11):1783-8.

Norton PA, Nager CW, Brubaker L, Lemack GE, **Siris LT,** Holley R, et al. The cost of preoperative urodynamics: A secondary analysis of the VALUE trial. *Neurourol Urodyn.* 2016 Jan;35(1):81-4.

Odom B, *Ehlert M, *Gupta P, Cholyway R, Boura JA, **Killinger KA,** et al, [**Siris LT**]. Clinical comparison of two trial of void methods after outpatient midurethral sling placement. *Female Pelvic Med Reconstr Surg.* 2016 May-Jun;22(3):172-174.

Pham R, Parke J, Kernen KM. How I do it: Same day discharge for transurethral resection of prostate using Olympus PlasmaButton and PlasmaLoop. *Can J Urol.* 2016, 23:8491-8494.

Preece J, Prasad V, **Schober M,** DaJustaa DG. Spontaneous cystic penile vascular malformation in an adolescent and review of the literature. *Urol.* 2016 Nov; 97:197-199.

Rezaee ME, Shetty Z, ***Pridmore D, Dave C, Shetty SD.** Robotic assisted laparoscopic nephroureterectomy for transitional cell carcinoma of a right pelvic kidney. *J Endourol Case Rep.* 2016 Jul;1:2(1):131-4.

Schober MS, Ching CB, **Peters KM,** Alpert SA. Novel use of pudendal neuromodulation in a pediatric patient with caudal regression and partial sacral agenesis for refractory bowel bladder dysfunction. *Urol.* 2016 Aug; 94:224-6.

Smith CP, **Chancellor MB.** Botulinum toxin to treat neurogenic bladder. *Semin Neurol.* 2016 Feb;36(1):5-9.

Tesfay L, Schulz VV, Frank SB, **Lamb LE,** Miranti CK. Receptor tyrosine kinase Met promotes cell survival via kinase-independent maintenance of integrin $\alpha 3\beta 1$. *Mol Biol Cell.* 2016 Aug 1;27(15):2493-504.

Urology

Peer-Reviewed Articles: continued

Tinawi-Aljundi R, Knuth ST, Gildea M, Khal J, **Hafron J, Kernan K**, et al. Minimally invasive prostate cancer detection test using FISH probes. *Res Rep Urol*. 2016 July;8:105-111.

Tomakowsky J, Carty JN, Lumley MA, **Peters KM**. The role of social constraints and catastrophizing in pelvic and urogenital pain. *Int Urogyn J*. 2016 July;27:1157-1162.

Tyagi P, Kashyap M, Yoshimura N, **Chancellor MB**, Chermansky CJ. Past, present and future of chemodenervation with botulinum toxin in the treatment of overactive bladder. *J Urol*, published online November 18, 2016.

Tyagi P, Tyagi V, Qu X, Chuang YC, Kuo HC, **Chancellor MB**. Elevated CXC chemokines in urine noninvasively discriminate OAB from UTI. *Am J Physiol Renal Physiol*. 2016 Sep 1; 311(3):F548-54.

Visco AG, Brubaker L, Jelovsek JE, Wilson TS, Norton P, Zyczynski HM, et al, [**Sirls LT**]. Adherence to oral therapy for urgency urinary incontinence: Results from the anticholinergic versus botox comparison (ABC) trial. *Female Pelvic Med Reconstr Surg*. 2016 Jan-Feb;22(1):24-8.

Zwaans BMM, Nicolai HE, **Chancellor MB, Lamb LE**. Challenges and opportunities in radiation-induced hemorrhagic cystitis. *Rev Urol*. 2016;18(2):57-65.

Zwaans BMM, Krueger S, **Bartolone SN, Chancellor MB**, *Marples B, **Lamb LE**. Modeling of chronic radiation-induced cystitis in mice. *Adv Radiat Oncol*. 2016 Oct-Dec;1(4):333-343.

Book Chapters or Full Book Publications:

Edwards L, **Hafron J**. Kidney cancer. In: **Lajiness MJ**, Quallich SA, editors. *The nurse practitioner in urology*. [Cham], Switzerland: Springer; 2016. p. 333-345.

Gaines N, Lavin JE, Gilleran JP. Stress incontinence. In: **Lajiness MJ**, Quallich SA, editors. *The nurse practitioner in urology*. [Cham], Switzerland: Springer; 2016. p. 237-249.

Jones P, **Hafron J**. Diagnosis and management of localized prostate cancer. In: **Lajiness MJ**, Quallich SA, editors. *The nurse practitioner in urology*. [Cham], Switzerland: Springer; 2016. p. 295-308.

Khourdaji I, Burks FN. Erectile dysfunction in diabetes, obesity and the metabolic syndrome. In: Martins F, editor. *International book of erectile dysfunction*. New York: Nova Publishing; 2016. p. 361-382.

Khourdaji I, Foley BA, Fabick SD, Burns FN. Psychotherapy for erectile dysfunction. In: Martins F, editor. *International book of erectile dysfunction*. New York: Nova Publishing; 2016. p. 287-298.

Urology

Book Chapters or Full Book Publications: continued

Kim DK, **Chancellor MB**. Pathophysiology of detrusor underactivity/acontractile detrusor. In: Corcos J, Ginsberg D, Karsenty G, editors. Textbook of the neurogenic bladder. 3rd ed. New York: CRC Press; 2016. p. 109-124.

Lajiness MJ. Neurogenic bladder. In: **Lajiness MJ**, Quallich SA, editors. The nurse practitioner in urology. [Cham], Switzerland: Springer; 2016. p. 217-235.

Lajiness MJ, Quallich SA, editors. The nurse practitioner in urology. [Cham]. Switzerland: Springer; 2016.

Lajiness, MJ, Quallich, SA. Hematuria. In: **Lajiness, MJ**, Quallich, SA, editors. The nurse practitioner in urology. [Cham], Switzerland: Springer; 2016. p. 127-134.

Leu PB, **Diokno AC**. Epidemiology of the neurogenic bladder. In: Corcos J, Ginsberg K, Karsenty G, editors. Textbook of the neurogenic bladder. 3rd ed. New York: CRC Press; 2016. p. 75-87.

Quallich SA, Bumpus SM, **Lajiness MJ**. Competencies for the nurse practitioner working with adult urology patients. In: **Lajiness MJ**, Quallich SA, editors. The nurse practitioner in urology. [Cham], Switzerland: Springer; 2016. p. 395-411.

Yoshimura N, Jeong JY, Kim DK, **Chancellor MB**. Integrated physiology of the lower urinary tract. In: Corcos J, Ginsberg D, Karsenty G, editors. Textbook of the neurogenic bladder. 3rd ed. New York: CRC Press; 2016. p. 33-48

Abstracts with Associated Research Presentations:

Auffenberg GB, Luckenbaugh AN, Hawken SR, Dhir A, Linsell S, **Kaul S**, et al. Analysis of active surveillance follow-up: How closely are patients monitored over time? American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Bartley J, *Gupta P, Killinger KA, Gilleran J, Gaines N, *Wolfert C, et al, [**Peters KM**]. Incidence of neuromodulation device explant for magnetic resonance imaging in a single, high volume institution. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction, National Meeting (SUFU), New Orleans, LA, February 23-27, 2016.

Bowlus J, Cooney M, Schonhoff A, Shea E, *VanRysseghem C, *Wolfert C, et al, [**Hasenau D, Killinger K**]. Nurses' perspectives of transitioning from inpatient nursing to the research nurse role. Beaumont Health 2016 Nurses Week, Royal Oak, MI, May 9-13, 2016.

Chancellor MB. Adult stem cell and underactive bladder. Geriatric Urologic Society meeting at the American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Chancellor MB. Urodynamics/lower urinary tract dysfunction/female pelvic medicine: Non-neurogenic voiding dysfunction II. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Urology

Abstracts with Associated Research Presentations: continued

Carty JN, Lumley MA, **Holmes HJ**, **Tomakowsky J**, Schubiner H, ***Dove-Medows E**, et al, [**Peters KM**]. The effects of a stress and emotion interview for women with urogenital pain: A randomized trial. The American Pain Society annual meeting, Austin, TX, May 11-14, 2016.

Chin J, Billia M, **Relle J**, Roethke M, Popeneciu IV, Kuru T, et al, [**Hafron J**]. Magnetic resonance imaging-guided transurethral ultrasound ablation of prostate cancer: A prospective phase I clinical trial. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Chin J, Billia M, Popeneciu I, Kuru T, **Relle J**, **Hafron J**, et al. Magnetic resonance imaging-guided transurethral ultrasound ablation in patients with localized prostate cancer: Primary outcomes of a prospective phase I study. World Congress of Endourology, Cape Town, South Africa, November 8-12, 2016.

Chin J, Pahernik S, Schlemmer H, Burtnyk M, **Hafron J**, Mueller-Wolf M, et al, [**Relle J**]. Magnetic resonance imaging-guided transurethral ultrasound prostate ablation in patients with localized prostate cancer: 24-month outcomes of a prospective phase I study. 14th Urological Association of Asia Congress, Singapore, July 20-24, 2016.

Chin J, **Relle J**, **Hafron J**, Popeneciu L, Kuru T, Billia M, et al. MP18-18 magnetic resonance imaging-guided transurethral ultrasound prostate cancer: 18-month outcomes of a prospective phase I study. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Dave C, **Faraj K**, **Hollander J**. Office based ultrasound guided renal core biopsy is safe and efficacious in the management of small renal masses. Michigan Association of Physicians of Indian Heritage spring meeting, Troy, MI, March 2016. **Awarded: 3rd Place**.

Dave C, **Seifman B**, ***Chennamsetty A**, Frontera R, **Faraj K**, Nelson R, et al, [**Schervish EW**]. Office based ultrasound guided renal core biopsy is safe and efficacious in the management of small renal masses. Michigan Urological Society Meeting (MUS), Livonia, MI, May 18, 2016. **Awarded: 1st Place**. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016. **Dr. Edwin L. Thirlby Award winner**. North Central Section of the American Urological Society, Chicago, IL September 7-10, 2016. **Awarded: 1st Place**.

Dave C, **Faraj K**, **Vakharia P**, **Hollander J**. A multidisciplinary quality improvement project to reduce trauma and overall use of Foley catheters. Michigan Quality Improvement Summit, Troy, MI, June 3, 2016.

Dave C, **Faraj K**, **Vakharia P**, **Hollander J**. Interdepartmental teaching on the appropriate use of Foley catheters can lead to improved patient outcomes. Beaumont Medical Education Week, Royal Oak, MI, May 16-20, 2016.

Dave CN, **Vakharia P**, ***Pridmore D**, Crossley H, **Hollander J**. A quality improvement project to reduce trauma, infection, and overall use of Foley catheters in a large academic community hospital. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Urology

Abstracts with Associated Research Presentations: continued

Dave C, Faraj K, Hollander J. A quality Improvement project to reduce trauma, infection, and overall use of catheters in a large academic community hospital. Michigan Association of Physicians of Indian Heritage Spring Meeting, Troy, MI, March 2016.

Awarded: 2nd Place.

Dave C, Faraj K, Hollander JB. The Foley project: A quality improvement project to reduce catheter related trauma and overall catheter use in a large community hospital. Beaumont Health System Quality Improvement Grand Rounds, Royal Oak, MI, October 2016. North Central Section of the American Urological Society, Chicago, IL, September 7-10 2016.

Dave C, Faraj K, Patel K, Boura J, Vartanian S, Seifman B. Nephrometry scores do not correlate with nondiagnostic renal mass biopsies. Michigan State Medical Society Foundation, Novi, MI, October 26-29, 2016.

Dave C, Hafron J, Osterhout D, Schock J, Chudler R, Dong Y, et al, [Kernen K]. Clinical utility of the 4k score test in patients considered for prostate biopsy in a large urology group practice. North Central Section of the American Urological Society, Chicago, IL, September 7-10 2016.

Diokno A. A new questionnaire to predict UI in elderly women. Geriatric Urologic Society meeting at the American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Diokno A. Three decades of urinary incontinence research: Lessons learned from the MESA project. Phillipine Society Meeting at the American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Edwards L. USMLE step 1 scores as a predictor of resident performance on subsequent urology in-service examinations. Michigan Urological Society Meeting, Livonia, MI, May 18, 2016.

Faraj K, Dave C, Seifman B. Office based ultrasound guided renal core biopsy is safe and efficacious in the management of small renal masses. American Medical Student Association (AMSA) National Convention, Washington DC, March 31-April 3, 2016.

Gaines N, *Gupta P, Khourdaji I, Parikh K, Killinger KA, *Ehlert M, Sirls LT. Radiographic misdiagnoses after periurethral bulking agents. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Gaines N, *Gupta P, Killinger KA, Boura JA, Sirls LT. Surgical outcomes after pelvic organ prolapse repair with hysteropexy using transvaginal mesh. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016.

Urology

Abstracts with Associated Research Presentations: continued

Gaines N, Han E, *Gupta P, Farrah M, Killinger KA, Boura JA, et al, [Bartley J, Gilleran J, Siris LT, Peters KM]. Pelvic floor muscle injections for hypertonicity in women. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016.

Gaines N, *Gupta P, Hu JC, Killinger KA, Boura JA, Bartley J, et al, [Gilleran J, Peters KM]. Does upper medial placement of a sacral lead affect neuromodulation outcomes? A radiologic study. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Gaines N. Radiographic misdiagnoses after periurethral bulking agents. 46th Annual Residents' and Fellows' Research Forum, Beaumont Health, Royal Oak, MI, May 24, 2016.
Awarded: 2nd Place.

Gaines N, *Gupta P, *Ehlert M, Gilleran J, Fischer MC, Nagaraju P, et al, [Killinger KA, Bartley J]. Short-term risk of mesh exposure with concomitant versus prior hysterectomy after robotic-assisted laparoscopic sacrocolpopexy. American Urogynecological Society (AUGS) Annual Meeting, Denver, CO, September 27-October 1, 2016.

Gilleran J, *Gupta P, Bartley J, Fischer M, Gaines N, Siris LT. The rate of de novo stress urinary incontinence in a large cohort after robotic assisted prolapse repair. International Continence Society (ICS) Meeting, Tokyo, Japan, September 13-16, 2016.

Gruner M, Killinger KA, Jankowski M, Peters KM. Additional treatments, satisfaction, and quality of life in women after transvaginal and abdominal pelvic organ prolapse repair. North Central Section of the American Urological Society, Chicago, IL, September 7-10, 2016.

***Gupta P, Gaines N, Bartley J, *Ehlert M, Gilleran J, Fischer M, et al, [Killinger KA, Siris LT].** Stress urinary incontinence after robotic assisted prolapse repair. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016.

***Gupta P, Gaines N, Killinger KA, Boura JA, Siris LT.** Sexual function in patients undergoing posterior compartment repair compared to those undergoing anterior or apical repairs. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

***Gupta P, Gilleran J, Killinger KA, Bartley J, Gaines N, *Wolfert C, et al, [Peters KM].** Does sex matter? A matched pairs analysis of neuromodulation outcomes in women and men. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Urology

Abstracts with Associated Research Presentations: continued

Hafron J, Kerr P, Dave C, Olford G, **Kernen K,** Frontera JR, et al, [**Seifman B**]. Can Apifyin a novel immune based blood test better determine high grade prostate cancer risk in men with an elevated PSA and a previous negative biopsy? Initial clinical results. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Hafron J, Huynh T, **Khourdaji AS,** Sarle RD, Van Crieking W, et al. Clinical utility of an epigenetic assay to reduce unnecessary repeat prostate biopsies. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Han E, **Gaines N, *Gupta P, Farrah M, Killinger KA,** Boura JA, et al, [**Bartley J, Gilleran J, Siris LT, Peters KM**]. Pelvic floor muscle injections for hypertonicity in women. Société Internationale d'Urologie (SIU), Buenos Aires, Argentina, October 19-22, 2016.

Johnston III WK, Linsell S, Miller DC, Ghani KR. Survey of abdominal access and associated morbidity for robot-assisted radical prostatectomy (RARP) does palmer's point warrant further awareness and study? North Central Section of the American Urological Society, Chicago, IL, September 7-10 2016.

Khourdaji I. Radiographic misdiagnoses after periurethral bulking agents. Michigan Urological Society (MUS) Meeting, Livonia, MI, May 18, 2016.

Klein E, Stovsky M, DiLoreto R, **Hafron J, Kernen K,** Manickam K, et al. IsoPSA: Initial clinical performance evaluation of a novel structure-based biomarker for prostate cancer in a multicenter prospective trial for Gleason 7. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016, North Central Section of the American Urological Society, Chicago, IL, September 7-10 2016.

Lamb LE, Chuang Y-C, Liu WI, **Zwaans BMM, Bartolone SN, Peters KM,** et al, [**Chancellor MB**]. Expression of multiplex urine cytokines discriminate functional bladder capacity in interstitial cystitis patients. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Lamb LE, *Levanovich PE, *Vereecke A, Zwaans BMM, Bartolone SN, Peters KM, et al, [**Chancellor MB**]. Urinary agrin cleavage products provide phenotypic characterization of interstitial cystitis patients. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Luckenbaugh AN, Aufferberg GB, Hawken SR, Dhir A, Linsell S, **Kaul S,** et al. Variation in active surveillance follow-up over two years in diverse urology practices. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Odom BD, *Ehlert M, Killinger KA, Peters KM. Characteristics and treatments used in women with persistent genital arousal disorder. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016.

Urology

Abstracts with Associated Research Presentations: continued

Odom BD, *Ehlert M, Killinger KA, Peters KM. Chronic neuromodulation as a treatment for persistent genital arousal disorder. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.
Awarded: Best Poster in Moderated Session.

Parke J. Incidence of neuromodulation device explant for magnetic resonance imaging in a single, high volume institution. Michigan Urological Society (MUS) Meeting, Livonia, MI, May 18, 2016.

Parke J, Kerr P, Dave C, Oldford G, Kernen K, Frontera JR, et al, [Hafron J]. Can apify a novel immune-based blood test better determine high grade prostate cancer risk in men with an elevated PSA and a previous negative biopsy? Initial clinical results. North Central Section of the American Urological Society. Chicago, IL, September 7-10, 2016.

Peters KM. Safety, tolerability, and preliminary efficacy of LiRIS [reg] 400 mg in women with ulcerative interstitial cystitis. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Peters KM, Killinger KA, *Gupta P, Gaines N, Bartley J, *Wolfert C, [Boura JA, Gilleran J]. Patients with a variety of urological symptoms improve after tined lead implant at the pudendal nerve. Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016.

Peters KM, et al. A cadaver model describing a novel retrograde approach for percutaneous placement of an implantable tibial nerve stimulation lead. Société Internationale d'Urologie (SIU), Buenos Aires, Argentina, October 19-22, 2016.

Peters KM, Siris LT, *Gupta P, Gaines N, Ehlert M. Transvaginal pelvic floor muscle injection technique: A cadaver study. Société Internationale d'Urologie (SIU), Buenos Aires, Argentina, October 19-22, 2016.

Prouty A, Bowman M, **Dave C, Hollander J.** A multidisciplinary quality improvement project to reduce trauma and overall use of Foley catheters. Beaumont Health Nurses Week, May 2016.
Awarded: 1st Place Poster in Professional Practice Category.

Zwaans BMM, Kreuger S, Bartolone SN, Chancellor MB, *Marples B, Lamb LE. Modeling of chronic radiation-induced cystitis in mice. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Zwaans BMM, Liebert M, Bartolone SN, *Levanovich PE, Chancellor MB, Lamb LE. Radiation therapy attenuates regeneration of the urothelium in novel cell culture radiation model. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Zwaans BMM, Bartolone SN, Chancellor MB, Lamb LE. Decreased vascular endothelial growth factor in radiation cystitis. Society for Basic Urologic Research's Fall Symposium, Scottsdale, AZ, November 10-13, 2016.

Urology

Abstracts with Associated Research Presentations: continued

Zwaans BMM, Bartolone S, Chancellor M, *Levanovich P, Kreuger S, *Marples B, et al, [**Lamb L**]. Intravesical instillation of liposomal-tacrolimus (LP-10) is an effective treatment for chronic radiation cystitis. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Invited Research Presentations:

Chancellor MB. Botulinum toxin: Why use it, how to do it, what are the results? American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Diokno A. Critical discussion: Perioperative preparation of the geriatric patient. Plenary session at the American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Gillera JP. Developing a successful multidisciplinary program. Pelvic pain session of Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) National Meeting, New Orleans, LA, February 23-27, 2016.

Hafron J. Active surveillance and the role of new markers in predicting prostate cancer outcomes. Interdisciplinary Oncology Symposium, Beaumont Health, Southfield, MI, March 4, 2016.

Hafron J. New prostate cancer biomarkers to reduce unnecessary prostate biopsies. Michigan State Medical Society 151th Annual Scientific Meeting, Livonia, MI, October 26-29, 2016.

Peters KM. Management of refractory OAB in the geriatric patient. Panel Discussion and Difficult Case Presentation. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Peters KM. Management of women with sexual dysfunction using FDA-approved and off label treatments. Post Graduate Course, Panel Discussion at the American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016. Course Faculty American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Peters KM. Implantable neuromodulation. Plenary Panel Discussion: Management of refractory OAB in the geriatric patient. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Peters KM. Lumbar to sacral nerve rerouting. American Urological Association (AUA) Annual Meeting, San Diego, CA, May 6-10, 2016.

Peters KM. Neuromodulation: What's around the corner? What's around the horizon? SUFU 2016 Winter Meeting, New Orleans, LA, Feb 23-27, 2016.

Peters KM. New innovations in InterStim. Michigan Urological Society Scientific Meeting, Livonia, MI, February 3, 2016.

Urology

Invited Research Presentations: continued

Peters KM. Sacral neuromodulation for non-obstructive urine retention. King Abdulaziz University, Jeddah, Saudi Arabia, November 18-20, 2016.

Peters KM. Neuromodulation in pediatric age group. King Abdulaziz University, Jeddah, Saudi Arabia, November 18-20, 2016.

Peters KM. Pudendal neuromodulation: Improving outcomes by increasing afferent stimulation. King Abdulaziz University, Jeddah, Saudi Arabia, November 18-20, 2016.

Peters KM. Cavernous nerve stimulation for erectile dysfunction. King Abdulaziz University, Jeddah, Saudi Arabia, November 18-20, 2016.

Peters KM. Challenges in neuromodulation research: Is there an ideal research design? King Abdulaziz University, Jeddah, Saudi Arabia, November 18-20, 2016.

Peters KM. Future of neuromodulation in urology: New technologies and nerve targets. King Abdulaziz University, Jeddah, Saudi Arabia, November 18-20, 2016.

Peters KM. State of the art: Neuromodulation for refractory OAB symptoms. University of Toronto 24th Annual Urology Update, Toronto, Ontario, November 11-12, 2016.

Peters KM. Debate: Third line therapy for refractory OAB should begin with sacral neuromodulation (Dr. Peters) Botulinum Toxin (Dr. M. Kennelly). University of Toronto 24th Annual Urology Update 2016, Toronto, Ontario, November 11-12, 2016.

Peters KM. Other applications for neuromodulation. University of Toronto 24th Annual Urology Update 2016, Toronto, Canada, November 11-12, 2016.

Website Contributions, Videoclips, or other Multi-Media Contributions:

Dave C, Shetty S, Faraj K. Nephrolithiasis. Medscape Drugs and Diseases. Updated May 17, 2016. <http://emedicine.medscape.com/article/437096-overview>.

Faraj K, Dave C, Bennett RC, Vakharia P. Male infertility. Medscape Drugs and Diseases. Updated June 07, 2016. <http://emedicine.medscape.com/article/436829-overview>

Parke J, Dave C, Bennett RC. Vasovasostomy and vasoepididymostomy. Medscape Drugs & Diseases. Updated December 21, 2016. <http://emedicine.medscape.com/article/452831-overview>.

Shetty S, Faraj K, Shetty Z, Dave C. Transrectal ultrasonography of the prostate. Medscape Drugs and Diseases. Updated August 4, 2016. <http://emedicine.medscape.com/article/457757-overview>.

BEAUMONT HOSPITAL

Farmington Hills

ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Peer-Reviewed Articles:

Berris JR. Cardiovascular implantable electronic device service as an anesthesia service. *Anesthesiology* 2016. May 1;124(5):1194-1195.

CANCER CENTER

Book Chapter or Full Book Publications:

Fontanesi J, Kopitzki B, Van Limbergen E. Brachytherapy of the skin: Cancers and other diseases. In: Montennagi P, Trombetta M, Brady LW, editors. Brachytherapy: An international perspective. Chaim, Switzerland: Springer; 2016. p. 365-388.

Fontanesi J, Mott M, Margolis J, Monit G, Gerbaulet A. Soft tissue sarcoma brachytherapy. In: Montennagi P, Trombetta M, Brady LW, editors. Brachytherapy: An international perspective. Chaim, Switzerland: Springer; 2016. p. 389-404.

Invited Research Presentations:

Fontanesi J, Chinnaiyan P, Michael D, Martinez A, Madden M, Wilson G, *Marples B. P1-29 Initial PH 1 trial that will evaluate the use of whole brain irradiation in the treatment of patients with Alzheimer's Dementia (AD). Clinical Trials on Alzheimer's Disease Conference, San Diego, CA, December 8-10, 2016.

*Marples B, Krueger S, Michael D, Wilson G, Martinez A, **Fontanesi J**. Amyvid imaging in a murine model of Alzheimer's Disease (AD) as a non-invasive methodology to evaluate the reduction in beta amyloid plaques after cranial irradiation. Clinical Trials on Alzheimer's Disease Conference, San Diego, CA, December 8-10, 2016.

RADIOLOGY

Peer-Reviewed Articles:

Boyd SK, Cameron-Morrison JD, Hobson J, Saenz R. CT imaging of large bowel wall thickening. J Am Osteopath Coll Radiol. 2016;5(2):14-22.

Luu N, McKnight T. JAOCR at the viewbox, acute cholecystitis. J Am Osteopath Coll Radiol. 2016; 5(2):30.

Puthoff G, Saenz R. JAOCR at the viewbox, ovarian vein thrombosis. J Am Osteopath Coll Radiol. 2016;5(2):31.

Ries S, Giese J, Kreuer S. Cystic pancreatic masses. J Am Osteopath Coll Radiol. 2016;5(2):23-25.

Sheeler C, Similuk J, Kamienecki K. Unilateral renal enlargement. J Am Osteopath Coll Radiol. 2016;5(2):26-28.

Book Chapter or Full Book Publications:

Saenz R. CT for the non-radiologist: The essential CT study guide. 2nd ed. Corpus Christi, TX: BMED Press, 2016.

Abstracts with Associated Research Presentations:

Giese J, McKnight T. Getting to the root of the matter: MRI accuracy in diagnosing meniscal root tears in the community setting: Correlation with arthroscopic findings. American Osteopathic College of Radiology Conference, Austin, TX, April 18-22, 2016.

Luu N, Mizzi A. A correlation between dense breasts and higher breast cancer stages. American Osteopathic College of Radiology Conference, Austin, TX, April 18-22, 2016.

Similuk J, Kamienecki K. Correlating ultrasound characteristics of thyroid nodules with malignant pathology at a suburban, community based hospital: A retrospective review with pathologic correlation. American Osteopathic College of Radiology Conference, Austin, TX, April 18-22, 2016.

Invited Research Presentations:

McKnight T. Pancreatitis: An update. American Osteopathic College of Radiology Conference, Austin, TX, April 18-22, 2016.

McKnight T. Pancreatic cancer. American Osteopathic College of Radiology Conference, Austin, TX, April 18-22, 2016.

Saenz R. Abdominal trauma. American Osteopathic College of Radiology Conference, Nashville, TN, September 15-18, 2016.

Radiology

Invited Research Presentations: continued

Saenz R. Non-emergent abdominal emergencies. American Osteopathic College of Radiology Conference, Nashville, TN, September 15-18, 2016.

Saenz R. Body trauma update. American Osteopathic College of Radiology Conference, Nashville, TN, September 15-18, 2016.

BEAUMONT HOSPITAL
Dearborn, Taylor, Trenton, Wayne

CARDIOVASCULAR DISEASE

Peer-Reviewed Articles:

Butrous H, Hummel SL. Heart failure in older adults. Can J Cardiol. 2016 Sep; 32(9):1140-7.

Perdoncin E, Seth M, Dixon S, Cannon L, Khandelwal A, **Riba A**, et al. The comparative efficacy of bivalirudin is markedly attenuated by use of radial access: Insights from Blue Cross Blue Shield of Michigan Cardiovascular Consortium. Eur Heart J. 2016 Jun;37(24):1902-9.

DIAGNOSTIC RADIOLOGY

Peer-Reviewed Articles:

Disharoon M. Atrial septal aneurysm without patent foramen ovale. American College of Radiology Case in Point, published online April 18, 2016.

Disharoon M, Lee DH. JAOCR at the viewbox: Pancreatic divisum. J Am Osteopath Coll Radiol. 2016;5(2):29-29.

EMERGENCY MEDICINE

Peer-Reviewed Articles:

McClelland ML, Weekes CV, **Bazzi H**, Warwinsky J, Abouarabi W, Snell F, et al. Perception of obesity in African-American and Arab-American minority groups. J Racial Ethn Health Disparities. 2016 Mar;3(1):160-7.

SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE

DERMATOLOGY

GENERAL INTERNAL MEDICINE

INFECTIOUS DISEASES

PALLIATIVE MEDICINE

DERMATOLOGY

Peer-Reviewed Articles:

Brothers RP, **Daveluy SD**. Squamous cell carcinoma mimicking fungal infection. *ID Cases*. 2016 Sept 28;6:72-73.

Grob A, Feser C, Grekin S. Muir-Torre Syndrome: A case associated with an infrequent gene mutation. *J Clin Aesthet Dermatol*. 2016 Jan;9(1):56-59.

Grob A, Grekin S. Piebaldism in children. *Cutis*. 2016 Feb;97(2):90-2.

Walby ML, Ahluwalia J, Mehregan DR. Primary cutaneous plasmacytoma in an HIV-positive patient. *Int J Dermatol*. 2016 Apr;55(4):464-7.

GENERAL INTERNAL MEDICINE

Peer-Reviewed Articles:

Chopra V, Smith S, **Swaminathan L**, Boldenow T, Kaatz S, Bernstein SJ, et al. Variations in peripherally inserted central catheter use and outcomes in Michigan hospitals. JAMA Intern Med. 2016 Apr;176(4):548-51.

Layoun ME, Wickramasinghe CD, **Peralta MV**, Yang EH. Fluoropyrimidine-induced cardiotoxicity: Manifestations, mechanisms, and management. Curr Oncol Rep. 2016 Jun;18(6):35.

Renati S, Linder JA. Necessity of office visits for acute respiratory infections in primary care. Fam Pract. 2016 Jun;33(3):312-17.

INFECTIOUS DISEASES

Peer-Reviewed Articles:

Chopra T, Awali RA, Biedron C, Vallin E, Bheemreddy S, Saddler CM, et al, [Thyagarajan R]. Predictors of Clostridium difficile infection-related mortality among older adults. Am J Infect Control. 2016 Nov 1;44(11):1219-23.

PALLIATIVE CARE

Abstracts with Associated Research Presentations:

Westphal C. Achy breaky heart: Palliative and hospice care in advanced cardiac disease. Journal of Pain and Symptom Management. 2016;51(2), 312-312.

NURSING

Peer-Reviewed Articles:

Swartwout E, Drenkard K, McGuinn K, **Grant S**, El-Zein A. Patient and family engagement summit: Needed changes in clinical practice. J Nurs Adm. 2016 Mar;46(3 Suppl):S11-18.

Vermeesch A, Barber H, Howard L, **Payne K**, Sackash C. Road less traveled: Stresses and Coping strategies of nursing students. Nurse Educ. 2016 May-Jun;41(3):11.

OPHTHALMOLOGY

Peer-Reviewed Articles:

Yonekawa Y, **Hypes SM**, Abbey AM, Williams GA, Wolfe JD. Exacerbation of macular oedema associated with hyperbaric oxygen therapy. Clin Exp Ophthalmol. 2016 Sep;44(7): 625-26.

PHYSICAL MEDICINE AND REHABILITATION

Peer-Reviewed Articles:

Boji BM, Ho J. Cerebral infarction secondary to cement embolism through a patent foramen ovale after percutaneous kyphoplasty: A case report. *PM R.* 2016 Sept;8(9s):S193.

Meythaler JM, Peduzzi JD. Baclofen solution for low-volume therapeutic delivery. *Neuromodulation*, published online October 3, 2016.

Nelson F, **Bokhari O**, Oravec D, Kim W, Flynn M, Lumley C, et al. The use of tomosynthesis in the global study of knee subchondral insufficiency fractures. *Acad Radiol*, published online December 20, 2016.

Zane KL, Gfeller JD, **Roskos PT**, Bucholz RD. The clinical utility of the Connors' continuous performance test-II in traumatic brain injury. *Arch Clin Neuropsychol*, published online September 20, 2016.

PSYCHIATRY

Peer-Reviewed Articles:

Smith D, **Smith R**, Misquitta D. Neuroimaging and violence. Psychiatr Clin North Am. 2016 Dec;39(4):579-97.

RADIATION ONCOLOGY

Peer-Reviewed Articles:

Evans JR, **Zhao SG**, Chang SL, Tomlins SA, Erho N, Sboner A, et al. Patient-level DNA damage and repair pathway profiles and prognosis after prostatectomy for high-risk prostate cancer. *JAMA Oncol.* 2016 Apr; 2(4):471-80.

Zhao SG, Evans JR, Kothari V, Sun G, Larm A, Mondine V, et al. The landscape of prognostic outlier genes in high-risk prostate cancer. *Clin Cancer Res.* 2016 Apr 1;22(7):1777-86.

SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES

GENERAL SURGERY

ORTHOPAEDIC SURGERY

PODIATRIC SURGERY

GENERAL SURGERY

Peer-Reviewed Articles:

Varban OA, Cassidy RB, Sheetz KH, Cain-Nielsen A, Carlin AM, Schram JL, et al, [**Bacal D**]. Technique or technology? Evaluating leaks after gastric bypass. Surg Obes Relat Dis. 2016 Feb;12(2):264-72.

Wang K, Zhou X, **Quach G**, Lu J, Gao W, Xu A, Zhu J. Effect of sleeve gastrectomy plus side-to-side jejunioileal anastomosis for type 2 diabetes control in an obese rat model. Obes Surg. 2016 Apr; 26(4):797-804.

ORTHOPAEDIC SURGERY

Peer-Reviewed Articles:

Needleman RL. Use of cannulated instruments to localize the portals in anterior ankle arthroscopy: A technique tip. J Foot Ankle Surg. 2016 May-Jun;55(3):659-663.

Sabesan VJ, Lombardo D, Josserand D, Buzas D, Jelsema T, Petersen-Fitts GR, et al. The effect of deltoid lengthening on functional outcome for reverse shoulder arthroplasty. Musculoskelet Surg. 2016 Aug;100(2):127-32.

Sabesan VJ, Lombardo DJ, Shahriar R, Petersen-Fitts GR, Wiater JM. The effect of glenosphere size on functional outcome for reverse shoulder arthroplasty. Musculoskelet Surg. 2016 Aug;100(2):115-20.

PODIATRIC SURGERY

Peer-Reviewed Articles:

Andrews, BJ, Fallat LM, Kish JP. Screw versus plate fixation for Chevron osteotomy: A retrospective study. J Foot Ankle Surg. 2016 Jan-Feb;55(1):81-4.

Bawa V, Fallat LM, Kish JP. Surgical outcomes for resection of the dorsal exostosis of the metatarsocuneiform joints. J Foot Ankle Surg. 2016 May-Jun;55(3):496-9.

Bingham AL, **Fallat LM.** Empty toe phenomenon: A rare presentation of closed degloving injury of the foot. J Foot Ankle Surg. 2016 Jul-Aug;55(4):842-9.

Krzywosinski T B, Bingham AL, **Fallat LM.** Intraneural lipoma of the tibial nerve: A case report. J Foot Ankle Surg, published online August 21, 2016.