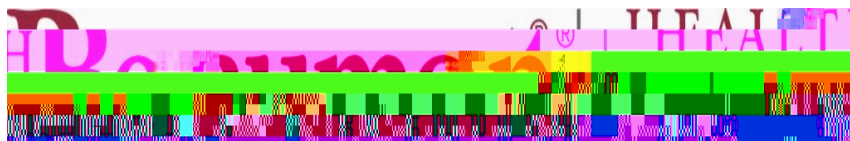


Research Institute

Report of Accomplishments



2014



Beaumont Health System, serving southern Michigan and beyond, is a highly productive contributor to clinical trials across the nation. The Beaumont Research Institute (RI), established by the hospital's Board of Trustees in 1966, strengthens Beaumont's ability to conduct medical research and to provide a research training experience for the medical staff and participants in graduate medical education programs.

Beaumont is a major teaching facility, with 40 accredited residency and fellowship programs involving 455 residents and fellows, and 162 research staff, including 50 research nurses.

Funding

2015 Research Institute Operations \$35.6M

External sources of research funding

(2014 data)

- ◆ Commercial sponsors 29 %
- ◆ Federal sponsors 20 %
- ◆ Philanthropic sponsors 13 %
- ◆ Intellectual Property 38 %

Types of research at Beaumont Health System

(2014 percentage of revenue)

- Clinical Research 48 %
 - ◆ 6.6 % Early Phase
 - ◆ 21.5 % Phase II/III
 - ◆ 4.6 % Post Market
 - ◆ 67.3 % Non-interventional
- Pre-clinical/ Research 52 %

External sources of research funding by Research Service

Line (2014 data)

- **Surgical Services 46%**
 - ◆ Radiation Oncology 26%
 - ◆ Urology 12%
 - ◆ Surgical Clinical Trials & Lab 4 %
 - ◆ Orthopedics Bench 3 %
 - ◆ Anesthesia 1 %
 - ◆ Other Programs (various) 0 %
- **Medical Services and Other 54%**
 - ◆ Emergency 5 %
 - ◆ Hematology/Oncology 8 %
 - ◆ Cardiology 8 %
 - ◆ Beaumont Coordinating Center 1 %
 - ◆ Infectious Disease 4 %
 - ◆ Nutrition & Preventive Med 2 %
 - ◆ Other (Various) 26 %
- **Clinical Trials/PI's/Research Participants**
 - ◆ 1,019 clinical studies
 - ◆ 333 interventional clinical research trials
 - ◆ More than 500 active principal investigators
 - ◆ 7,800 registered research participants

Educational opportunities for research staff

- ◆ 2-day orientation for new research staff
- ◆ On-line CITI human subjects protection training program
- ◆ Tuition reimbursement for clinical research certification exams
- ◆ Seminar Series and Workshops
- ◆ Residents' and Fellows' Research Forum
- ◆ Online guidance/modules regarding initiating research

Facility space dedicated to research

- ◆ Research Institute Building
- ◆ Beaumont Health Center
- ◆ Cancer Center
- ◆ Imaging Center
- ◆ Royal Oak Hospital
- ◆ Royal Oak Medical Office Building
- ◆ Technical Service Building
- ◆ Troy Hospital
- ◆ Other offsite

Support staff available to researchers

- ◆ Accounting / Administrative
- ◆ Beaumont Research Coordinating Center
- ◆ BioBank/Erb Family Core Molecular Laboratory
- ◆ Biosafety Committee
- ◆ Biostatisticians
- ◆ Commercialization Center
- ◆ Compliance
- ◆ Database Development
- ◆ Education
- ◆ Grant Development
- ◆ Human Resources
- ◆ Institutional Animal Care and Use Committee (IACUC)
- ◆ Institutional Review Board (IRB)
- ◆ Outcomes Research Group
- ◆ Vivarium

The scope of support for the Research Institute

- AAALAC accredited animal facility
- AAHRPP accredited Human Research Protection Program
- Automated, robotic clinical laboratories
- Beaumont Research Coordinating Center for Multicenter clinical trials
- BioBank & Core Molecular Lab
- Flash CT scanner
- Fully equipped bench laboratories
- Internationally recognized and respected principal investigators
- National Cancer Institute's Community Oncology Research Program (NCORP)
- PET-CT and Biotracer

The superior support for Beaumont Health System

- 90 Surgical Suites
- 3D Digital Mammography
- Accredited Children's hospital
- Cancer Genetics Program
- New state of the art Neuroscience Center
- Partnership with OUWB School of Medicine
- The Advanced BioSkills Trainingx The Adv OUWB Schxical tanced B

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ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Anesthesiology and Perioperative Medicine

Research Presentations:

***Hartrick CT.** Pain pharmacology: Special considerations in the elderly. Topical Seminar 9: Pain treatment in the elderly. 7th World Congress, World Institute of Pain, Maastricht, Netherlands, May 9, 2014.

***Hartrick CT.** Establishing treatment goals in chronic pain, plenary session. 7th World Congress, World Institute of Pain, Maastricht, Netherlands, May 8, 2014.

***Hartrick CT.** Publication success: Ethical perspectives. Editors roundtable discussion: Why articles do not get accepted. 19th Annual Advanced Pain Conference and Practical Workshop: WIP, Budapest, Hungary, August 27, 2014.

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

***Hartrick CT.** REMS education: What prescribers need to know about opioids. Beaumont Health System, Association for Hospital Medical Education (AHME), in cooperation with the Collaborative on REMS Education (CO*RE); <http://meded.beaumont.edu/opioidcme>, January 2014.

BioBank

BioBank

Abstracts/Posters: continued

Stone B, *Baschnagel AM, **Thibodeau BJ, Fortier LE, Geddes TJ, Pruetz BL, et al, [Ketelsen BE, Wilson GD]**. Gene expression patterns in pancreatic neuroendocrine tumors suggest resistance to radiation therapy. International Journal of Radiation Oncology Biology Physics, Vol 90, Issue 1, Supplement, S768. 56th Annual Meeting of the American Society for Radiation Oncology, San Francisco, CA, September 14-17, 2014.

Research Presentations:

Akervall JA. New strategies to treat cancer under development at Beaumont. Beaumont Medical Innovations Lecture Series through Beaumont Foundation, Palm Beach, FL, February 19, 2014.

Akervall JA, Jewell S, Blanc V, Tomlinson T, Carey TE, Mikkelsen T. An inter-institutional collaborative effort to improve the management of biospecimen collections and subsequent translational research. ISBER 2014 Annual Meeting, Orlando, FL, May 19-23, 2014.

Akervall JA (presented by Barb Pruetz). Sustaining the biobank: the Beaumont strategy. Great Lakes Biorepository Network Scientific Conference, Grand Rapids, MI, November 18, 2014.

Baschnagel A, **Thibodeau BJ, Fortier LE, Geddes TJ, Pruetz BL, Ketelsen BE**, et al, [**Wilson GD**]. The effect of neoadjuvant chemoradiation on gene expression patterns of pancreatic adenocarcinoma. 48th Annual Meeting of the Pancreas Club, Chicago, IL, May 2-3, 2014.

Geddes TJ. A comprehensive multidisciplinary biorepository and core molecular laboratory quality program. 7th Annual Biorepositories and Sample Management Conference, Boston, MA, September 15-17, 2014.

Geddes TJ. A comprehensive multidisciplinary biorepository and core molecular laboratory quality program. Great Lakes Biorepository Network Scientific Conference, Grand Rapids, MI, November 18, 2014.

Thibodeau BJ, Baschnagel A, Williams L, **Fortier LE, Ketelsen BE, Geddes TJ**, et al, [**Pruetz BL, Wilson GD, Akervall JA**]. Differential gene expression in recurrent head and neck squamous cell carcinoma. IFHNOS 2014 5th World Congress & AHNS Annual Meeting, New York, NY, July 26-30, 2014.

Thibodeau BJ. Novel biomarkers in head and neck cancer: Differential gene expression in recurrent squamous cell carcinoma of the larynx. Beaumont Interdisciplinary Oncology Symposium, Troy, MI, October 17-18, 2014.

Wilson GD. DNA mapping of cancer tumors. 17th Annual Beaumont Medical Staff Educational Symposium, Boyne Mountain Resort, Boyne Falls, MI, June 21, 2014.

Wilson GD. Head and neck cancer research. Beaumont Interdisciplinary Oncology Symposium, Troy, MI, October 17-18, 2014.

CARDIOVASCULAR DISEASE

Peer-Reviewed Articles:

Abbas AE, Franey LM, Lester SJ. Doppler-derived pulmonary vascular resistance: Simplicity, accuracy, and applicability. J Am Soc Echocardiogr. 2014 Jan;27(1):109.

Abbas AE, Franey LM, Lester S, Raff GL, Gallagher MJ, Hanzel G, et al, [Safian RD]. The

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Peer-Reviewed Articles: continued

Einstein AJ, Berman DS, Min JK, Hendel RC, Gerber TC, Carr JJ, et al, [Raff GL]. Patient-centered imaging: Shared decision making for cardiac imaging procedures with exposure to ionizing radiation. *J Am Coll Cardiol*. 2014;63(15):1480-9.

Hanson I, David SW, Dixon SR, Metzger DC, Généreux P, Maehara A, et al. "Optimized" delivery of intracoronary supersaturated oxygen in acute anterior myocardial infarction. *Catheter Cardiovasc Interv*, published online December 15, 2014.

Hanson I, Dixon SR, Goldstein JA. Assessing coronary target lesion length: The Goldilocks approach. *Future Cardiology*. 2014;10:179-82.

Hanson I, Goldstein JA. Plaque characterization in unstable versus stable diabetics: Insights illuminated by OCT. *Catheter Cardiovasc Interv*. 2014;84:708-70.

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Hulten E, Villines TC, Cheezum MK, Berman DS, Dunning A, Achenbach S, et al, [Chinnaiyan KM, Raff GL]. Calcium score, coronary artery disease extent and severity, and clinical outcomes among low Framingham risk patients with low vs high lifetime risk. *J Nuclear Cardiol*. 2014;21(1):29-37.

Kooiman J, Seth M, Dixon SR, Wohns D, LaLonde T, Rao SV, et al. Risk of acute kidney injury after percutaneous coronary interventions using radial versus femoral vascular access. *Circ Cardiovasc Interv*. 2014 Apr;7(2):190-8.

Kooiman J, Seth M, Dixon SR, Wohns D, LaLonde T, Rao SV, et al. Response to letters regarding article, "Risk of acute kidney injury after percutaneous coronary interventions using radial versus femoral vascular access. *Circ Cardiovasc Interv*. 2014 Jun;7(3):421.

Kooiman J, Seth M, Share D, Dixon SR, Gurm HS. The association between contrast dose and renal complications post PCI across the continuum of procedural estimated risk. *PLoS One*. 2014 Mar 13;9(3).

Leipsic J, Abbara S, Achenbach S, Cury R, Earls JP, Mancini GJ, et al, [Raff GL]. SCCT guidelines for the interpretation and reporting of coronary CT angiography: A report of the Society of Cardiovascular Computed Tomography Guidelines Committee. *J Cardiovas Comput Tomogr*. 2014 Sep-Oct;8(5):342-58.

Leipsic J, Taylor CM, Gransar H, Shaw LJ, Ahmadi A, Thompson A, et al, [Chinnaiyan KM, Raff GL]. Sex-based prognostic implications of nonobstructive coronary artery disease. *Radiology*, published online July 15, 2014.

McNamara MW, Dixon SR, Goldstein JA. Impact of intra-aortic balloon pumping on hypotension and outcomes in acute right ventricular infarction. *Coron Artery Dis*. 2014 Nov;25(7):602-7.

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Min JK, Labounty TM, Gomez MJ, Achenbach S, Al-Mallah M, Budoff MJ, et al, [**Chinnaiyan KM, Raff GL**]. Incremental prognostic value of coronary computed tomographic angiography over coronary artery calcium score for risk prediction of major adverse cardiac events in asymptomatic diabetic individuals. *Atherosclerosis*. 2014; 232(2):298–304.

Nakazato R, Arsanjani R, Achenbach S, Gransar H, Cheng VY, Dunning A , et al, [**Chinnaiyan KM, Raff GL**]. Age-related risk of major adverse cardiac event risk and coronary artery disease extent and severity by coronary CT angiography. Results from 15,187 patients from the International Multisite CONFIRM Study. *Eur Heart J Cardiovasc Imaging*. 2014;15(5):586-94.

O'Neill WW, Schreiber T, Wohns DH, Rihal C, Naidu SS, Civitello AB, et al, [**Dixon SR**]. The current use of Impella 2.5 in acute myocardial infarction complicated by cardiogenic shock. *J Interv Cardiol*. 2014 Feb;27(1):1-11

Otaki Y, Gransar H, Cheng VY, Dey D, Labounty T, Lin FY, et al, [**Chinnaiyan KM, Raff GL**]. Gender differences in the prevalence, severity, and composition of coronary artery disease in the young. *Eur Heart J Cardiovasc Imaging*, published online December 24, 2014.

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Sacks R, deJong A, Brinks J, Spring T, Sternburgh L, **Franklin BA**. Cardiorespiratory responses to table tennis in low-fit coronary patients and implications for exercise training. *American Journal of Cardiology* 114:1846-1849, 2014.

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Vanhecke T, Weber J, Bonsheim K, **Almany S, Haines DE**. Implementation of ultraportable echocardiography in adolescent sudden cardiac arrest screening program. *Clin Med Insights Cardiol*. 2014 Sep 14;8:87-92.

Book Chapter or Full Book Publications:

Franklin BA, Miller WM, Juliao TR. Effect of lifestyle interventions on cardiovascular risk in patients with diabetes. *Diabetes in Cardiovascular Disease: A Companion to Braunwald's Heart Disease, 1st Edition*. Edited by McGuire DK, Marx N, 2014 Elsevier Saunders, Chapter 12:139-155.

Abstracts/Posters:

Atallah PC, et al. Induced hypothermia after out-of-hospital cardiac arrest: Body habitus and survival. *Circulation*. 2014;130:A18280.

Cardiovascular Disease

Abstracts/Posters: continued

Atallah PC, Niculescu O, **Franklin BA**. Heart rhythm disorders and resuscitation science: Session title: Resuscitation science from bench to bedside. Induced hypothermia after out-of-hospital cardiac arrest: Body habitus and survival. American Heart Association Scientific Sessions, Chicago, IL, November 17, 2014.

Barnes G, Kaatz S, Haymart B, Kline-Rogers E, **Almany S**, Kozlowski J, et al. Development of renal dysfunction in atrial fibrillation patients: The Michigan Anticoagulation Quality Improvement Initiative MACQI. International Society on Thrombosis and Haemostasis, Milwaukee, WI, June 23-26, 2014.

Bowdon MM, **Franklin BA**, Boura J, **Marcovitz P**, *Billecke S. Effects of a 6-month exercise intervention in women at risk for cardiovascular disease. American College of Sports Medicine Annual 61st Meeting and 5th World Congress on Exercise in Medicine, Orlando, FL, May 27-31, 2014. *Medicine and Science in Sports and Exercise* 46(55) Supplement; 2014.

Hanzel GS, **Almany S**, **Haines DE**, Reddy V, et al. Comparison of imputed placebo versus observed ischemic stroke rates in the Watchman trials represents a significant reduction in risk. Transcatheter Cardiovascular Therapeutics (TCT) Conference, Washington, DC, September 13-17, 2014.

Hendrickson KD, Heck M, **Franklin BA**, **Chinnaiyan KM**, Boura JA, James J, et al. Predictors of computed tomographic-documented coronary disease during an executive physical. American College of Sports Medicine Annual 61st Meeting and 5th World Congress on Exercise in Medicine; Orlando, FL, May 27-31, 2014. *Medicine and Science in Sports and Exercise* 46(55) Supplement; 2014.

Hughey A, Barnes G, Haymart B, Kline-Rogers E, **Almany S**, Kaatz S, et al. Warfarin for prevention of thromboembolism in atrial fibrillation: Comparison of patient characteristics and outcomes of the “real world” MAQI Registry to the RE_LY, ROCKET_AF, and ARISTOTLE Trials. American College of Cardiology Scientific Session, Washington, DC, March 29-31, 2014.

Kassier A, **Atallah PC**. Immunoglobulin G4-related disease constrictive pericarditis with pericardial effusion: A novel entity. *J Am Coll Cardiol*. 2014;63(12_S):1097(14)60710-5. American College of Cardiology 63rd Annual Scientific Session and Expo, Washington, DC, March 31, 2014.

Olomu I, Barnes G, Kaatz S, Haymart B, Kline-Rogers E, **Almany S**, et al. Technology use among patients undergoing warfarin therapy: A report for the Michigan Anticoagulation Quality Improvement Initiative. American Heart Association-Quality of Care and Outcomes Research, Baltimore, MD, June 2-4, 2014.

Sacks RL, **Franklin BA**, Boura J, Van Loon J. Accuracy of the heart rate index equation to assess oxygen consumption in obese patients. 2014 American College of Sports Medicine Annual 61st Meeting and 5th World Congress on Exercise in Medicine; Orlando, FL, May 27-31, 2014. *Medicine and Science in Sports and Exercise* 46(55) Supplement; 2014.

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Auer J, Sinzinger H, **Franklin BA**, Berent R. Muscle and skeletal-related side effects of statins: Tip of the iceberg? *Eur J Prev Cardiol*, published online September 17, 2014.

Billinger SA, Arena R, Bernhardt J, Eng JJ, **Franklin BA**, Johnson CM, et al. Physical activity and exercise recommendations for stroke survivors: A Statement for Healthcare Professionals from the American Heart Association/American Stroke Association. *Stroke*. 2014;45(8):2532-2553.

Boden WE, **Franklin BA**, Berra K, Haskell WL, Calfas KJ, Zimmerman FH, et al. Exercise as a therapeutic intervention in patients with stable ischemic heart disease: An underfilled prescription. *Am J Med* 2014;127:905-911.

Choudhary G, **Lakshmanadoss U**. Poor right ventricular systolic function (lower TAPSE) and higher pulmonary artery systolic pressure (PASP) predicts early readmissions and all-cause mortality in elderly patients with heart failure. Heart Failure Society of America Annual Conference, Las Vegas, NV, September 14-17, 2014.

Franklin BA. Preventing exercise-related cardiovascular events: Is a medical examination more urgent for physical activity or inactivity? *Circulation*. 2014;129(10):1081-1084.

Franklin BA, Durstine JL, Roberts CK, Barnard RJ. Impact of diet and exercise on lipid management in the modern era. *Best Pract Res Clin Endocrinol Metab*. 2014;28(3):405-421.

Franklin BA. Pre-participation health screening before exercise – is it time for a change? Parts I and II. *Am Coll Sports Medicine Bulletin* October, 2014.

Goldstein JA. Transplant coronary atherosclerosis: Parallels with in-stent neoatherosclerosis catheter. *Cardiovasc Interv*. 2014;83:78-9.

Goldstein JA. Coronary artery spasm in thyrotoxicosis: The best index is that of suspicion. *Coron Artery Dis*. *Coron Artery Dis* 2014; 25:96-7.

Goldstein JA. Decompressing the left atrium to relieve the right ventricle. *Catheter Cardiovasc Interv*. 2014;83:323-324.

Goldstein JA. Bioresorbable coronary devices: Advances illuminated by imaging. *J Am Coll Cardiol Img*. 2014;7:1149-1150.

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Menezes AR, Lavie CJ, Forman DE, Arena R, Milani RV, **Franklin BA**. Cardiac rehabilitation in the elderly. *Prog Cardiovasc Dis* 2014;57:152-159. doi:10.1016/j.pcad.2014.01.002.

Myers J, Forman DE, Balady GJ, **Franklin BA**, Nelson-Worel J, Martin BJ, et al. Supervision of exercise testing by non-physicians: A Scientific Statement from the American Heart Association. *Circulation.* 2014;130:1014-1027.

O'Keefe JH, **Franklin BA**, Lavie CJ. Exercising for health and longevity vs peak performance: Different regimens for different goals. *Mayo Clin Proc.* 2014;89(9):1171-1175.

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Pu J, Mintz GS, Lissauskas JB, Biro S, Lee JB, Sum ST, et al, [**Goldstein JA**]. Insights into echo-attenuated plaques, echolucent plaques, and plaques with spotty calcium: Comparisons among intravascular ultrasound, near-infrared spectroscopy, and histopathology in 2294 coronary artery segments. *J Am Coll Cardiol.* 2014;63:2220-2233.

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Collaborative Efforts: (continued)

Safian RD. Magnetic navigation: What's the attraction? Cathet Cardiovasc Interv. 2014;84:668-9.

Safian RD. Carotid artery stenting and CABANA: Implications for credentialing. Cathet Cardiovasc Interv. 2014;84:1005-6.

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Wright MJ, Harks E, Belt H, Zuo F, Brink R, Stroffregen W, et al, [Haines DE]. Significant tissue expansion occurs after a single RF ablation lesion: Direct visualization of acute swelling using an intra-tissue visualization and ablation system. Heart Rhythm. 2014;11:S24.

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

Almany S. Is the Super Bowl harmful to our heart? Beaumont Blog, January 30, 2014. <http://beaumonthealthsystem.wordpress.com/2014/01/30/is-the-super-bowl-harmful-to-your-heart/>

Other Publications (non peer-reviewed):

Zalesin KC, Miller WM, **Franklin BA**, Blank HS, Karl C, *Shuell C, et al. A summary report: Comparison of paricalcitol with cholecalciferol in the treatment of secondary hyperparathyroidism after gastric bypass surgery. AbbVie Inc, Global Medical Affairs, Chicago, IL, July 2014.

Colon and Rectal Surgery

Collaborative Efforts:

*Waters J, *Fajardo A, *Holcomb B, *George V, *Robb B, Ziegler M. Langerhans cell histiocytosis with anorectal involvement: A rare manifestation of adult disease. Int J Colorectal Dis, published online October 16, 2014.

*Ferguson C, *Charbel J, Bark K, **Vogel L, Lynch J, Landes R, Hain J.** Analysis of compression ring anastomosis: Outcomes of colonic anastomoses. American Society of Colon and Rectal Surgeons Annual Meeting, Hollywood, FL, May 17-19, 2014.

DIAGNOSTIC RADIOLOGY and MOLECULAR IMAGING

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Diagnostic Radiology and Molecular Imaging

Abstracts/Posters:

Diagnostic Radiology and Molecular Imaging

Abstracts/Posters: continued

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Abstracts/Posters: continued

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***Khayyat N, Shetty M, Jafri SZ, Sokhandon F.** Spectrum of benign incidental findings and artifacts of F-18 FDG PET/CT scan: Illustrative case examples. 44th Annual Residents' and Fellows' Research Forum, Beaumont Health System, Royal Oak, MI, May 30, 2014.

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Diagnostic Radiology and Molecular Imaging

Abstracts/Posters: continued

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***Metz T, Harb J, Al-Katib S.** Intraventricular obstructive hydrocephalus and subependymal nodules: A case of anaplastic astrocytoma with subependymal spread. American Society of Neuroradiology 52nd Annual Symposium (ASNR), Montreal, Quebec, Canada, May 17-22, 2014.

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Diagnostic Radiology and Molecular Imaging

Abstracts/Posters: continued

Voyvodic J, DeYoe E, Mathis J, Elsinger C, Petrella J, et al, [Zhou Y]. fMRI digital reference object development: Preliminary results. Radiological Society of North American (RSNA), Chicago, IL, November 30-December 5, 2014.

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EMERGENCY MEDICINE

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Emergency Medicine

Abstracts/Posters: continued

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Emergency Medicine

Abstracts/Posters: continued

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Emergency Medicine

Collaborative Efforts: continued

FAMILY MEDICINE

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Oleszkowicz A, Kopp A. What is the risk of seizures with live virus vaccines? Evidence Based Practice 2014; 17(11):10-11.

Other Publications (non peer-reviewed):

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INTEGRATIVE MEDICINE

Peer-Reviewed Articles:

Armstrong K, Dixon SR, May S, Patricolo GE.

SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE

ALLERGY

GASTROENTEROLOGY and HEPATOLOGY

GENERAL INTERNAL MEDICINE

GERIATRICS

HEMATOLOGY / ONCOLOGY

COMPREHENSIVE BREAST CARE CENTER

INFECTIOUS DISEASES

NEPHROLOGY

NEUROLOGY

NUTRITION and PREVENTIVE MEDICINE

PALLIATIVE CARE

ALLERGY

Peer-Reviewed Articles:

Lauter CB. Idiopathic capillary leak syndrome. J Allergy Clin Immunol 2014;133(2)S:AB28.

Abstracts/Posters:

Lauter CB. Capillary leak syndrome. American Academy of Allergy, Asthma & Immunology, San Diego, CA, February 28-March 4, 2014.

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Simon MR, Chervin SM, Brown SC. Polyclonal antibody therapies for clostridium difficile infection. Antibodies 3, 272-288, published online October 28, 2014.

Gastroenterology and Hepatology

Abstracts/Posters:

Muthusamy A,

General Internal Medicine

Abstracts/Posters: continued

Alperin J, Yadav S. Anemia and fatigue: A common presentation with an uncommon diagnosis. American College of Physicians Michigan Chapter Annual Scientific Meeting, Gaylord, MI, October 17-19, 2014.

Berry A, Garg L. Hepatitis B associated CNS vasculitis. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

Berry A, Garg L, Purohit T. Asymptomatic colonic ulceration in an immunocompromised patient. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

Berry A, Yadav S, Sule A. Alcoholic pancytopenia. American College of Physicians Michigan Chapter Associate's Day Meeting, Troy, MI, May 2014.

Bossory L, **Kazanji N**, Toushan M, **Yadav S.** Don't delay, save the kidneys today. American College of Physicians (ACP) Michigan Chapter Annual Scientific Meeting, Gaylord, MI, October 17-19, 2014.

Falatko J. Severe ARDS and pregnancy: Use every tool in the toolbox. American College of Physicians (ACP) Associates Meeting, Sterling Heights, MI, May 9, 2014. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

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Garg L. Histoplasmosis presenting as asymptomatic colonic ulceration. Annual Conference of Gastroenterology, Philadelphia, PA, October 17-22, 2014.

Gierer J, Holmes B, Lauter C, **Sule A.** Mind your microbes! A case of acute-onset systemic lupus erythematosus induced by salmonella enteritides infection. American College of Physicians (ACP) Associates Meeting, Sterling Heights, MI, May 9, 2014.

Gjeorgjievski M, Kazanji N, Bossory L, Le J, **Yadav S.** Smoldering disease of the heart. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

Golenbiewski J, Javed S, Ladkany R, Pereira Rodrigues O, Rosenblatt S. A solitary and rare cause of hypoglycemia. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

General Internal Medicine

Abstracts/Posters: continued

Golenbiewski J, Khoury Abdulla R, Mandava S. Azithromycin-induced QTc interval prolongation and torsade de pointes: A rare but real risk. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

Gualdoni J, Siddiqui M, Barnes M. A tough nut to crack: A rare carcinoma. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

Holmes B, Gierer J, Sule A. Rapidly progressive neurologic decline: Noninvasive testing may not be enough. American College of Physicians (ACP) Associates Meeting, Sterling Heights, MI, May 9, 2014.

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Isaac D. Rare cause of an enlarging neck mass. American College of Physicians (ACP) Associates Meeting, Sterling Heights, MI, May 9, 2014.

Isaac D, Yadav S. Renal cell carcinoma metastasis to thyroid. How long is long enough? American College of Physicians Michigan Chapter Annual Scientific Meeting, Gaylord, MI, October 17-19, 2014.

Javed S, Glick A, Anderson J, Barnes M. Acute methotrexate leukoencephalopathy from extravasation through an Ommaya reservoir. American College of Physicians (ACP) Associates Meeting, Sterling Heights, MI, May 9, 2014.

Javed S, Falatko J. Prognosis of patients with pulmonary embolism that undergo inferior vena cava filter placement and deferred anticoagulation. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

Javed S, Dalal B. Surviving the storm. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

General Internal Medicine

Abstracts/Posters: continued

Kazanji N, Paudel S, Jaurigue M, Dalal B. Weak legs, weak heart: Transient cardiomyopathy as a complication of acute inflammatory demyelinating polyradiculopathy. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

Kazanji N, Skrzynski A, Falatko J. An Interesting cause of stroke in a young Vietnamese female. American College of Physicians (ACP) Nationals, Orlando, FL, April 8-13, 2014.

Kazanji N, Neupane S, Dulai M, Osetek A, Chaudhry K, Berghea R. Toxoplasmosis in the eye of the beholder. Society of General Internal Medicine Midwest Regional Meeting, Chicago, IL, September 5-9, 2014.

Khaddam S. Acquired factor VIII inhibitor presenting as a medical emergency. American College of Physicians (ACP) Associates Meeting, Sterling Heights, MI, May 9, 2014.

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Khoury Abdulla R. Chest pain in a patient with neurofibromatosis. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

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Koneru H. Rare cause of fulminant sepsis due to capnocytophaga camimorsus. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

Koneru H, **Davila F.** Fulminant hepatic failure: Drug over cancer: A case report. American College of Physicians, Michigan Chapter, Associate Meeting, Troy, MI, May 2014.

Kwon M. Persistent chest pain with mild coronary artery disease. American College of Physicians (ACP) Associates Meeting, Sterling Heights, MI, May 9, 2014.

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Ladkany R, Barnes M.

General Internal Medicine

Abstracts/Posters: continued

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Marinos Velarde M. Severe presentation of viral and bacterial co-infection. American College of Physicians (ACP) Associates Meeting, Sterling Heights, MI, May 9, 2014.

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Mogrovejo E, Pereira-Rodrigues O, Alsibae M, Desai T. Therapeutic phlebotomy to maintain iron depletion reduces alpha-fetoprotein and reduces incidence of hepatocellular carcinoma in chronic hepatitis C. Digestive Disease Week, Chicago, IL, May 3-6, 2014.

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Pereira Rodrigues O, Lauter C. Bevacizumab facilitated Fournier's Gangrene. American College of Physicians (ACP) Michigan Chapter Scientific Meeting, Gaylord, MI, October 17-19, 2014.

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General Internal Medicine

Abstracts/Posters: continued

GERIATRICS

Abstracts/Posters:

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HEMATOLOGY / ONCOLOGY

Peer-Reviewed Articles:

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Chisti MM, Tan L, Klamerus J, Lin P, Jaiyesimi I, Rehman A, Zeng X. Quartz crystal microbalance (QCM) piezo-immunosensors: A novel technique to study CD20 antigen interaction with rituximab and its clinical implications. Blood 124 (21), 4807, 2014.

Fawole A, Abonour R, Stender M, Shatavi S, Gaikazian S, Anderson J,

COMPREHENSIVE BREAST CARE CENTER

Abstracts/Posters:

Fana MD, Jawad MS, Pietron AV, Wallace M, Ye H, **Dekhne N**. Outcomes following breast conservation therapy in women 80 years of age or older. 67th Annual Society of Surgical Oncology (SSO) Conference, Phoenix, AZ, March 12-15, 2014.

INFECTIOUS DISEASES

Peer-Reviewed Articles:

Khourdaji IS, Jafri SMA, **Sims MD**. Understanding clostridium difficile infection for the urologist. AUA update series, Volume 33, lesson 10, 2014.

Lauter CB. Idiopathic capillary leak syndrome. J Allergy Clin Immunol 2014;133(2)S:AB28.

Lerner AM, Beqaj S. Beneficial response of cervical dystonia spasmodic torticollis to cidofovir, an acyclic phosphonate analog (s-l-3-hydroxy-2-phosphonylmethoxypropyl) of cytosine. Virus Adaptation and Treatment 2014:6 33-36.

***Rice C**, Yadav S, Boyanton Jr BL, Subedi P, **Band J**. Clinical problem-solving: A creeping suspicion. N Engl JMed 2014 July 3;371(1):68-73.

Shi X, **Sims MD**, Hanna MM, Xie M, Gulick PG, Zheng YH, et al. Neutropenia during HIV infection: Adverse consequences and remedies. Int Rev Immunol 2014, 33(6): 511-36.

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, 2014.

Gaynes R, **Band J**. Epidemiology, pathogenesis, and microbiology of intravascular catheter infections. In: Basow DS (ed). Up To Date. Wolters Kluwer Health, Inc, Waltham, MA, 2014.

Band J. Diagnosis of central venous catheter infections. In: Basow DS (ed). Up To Date. Wolters Kluwer Health, Inc, Waltham, MA, 2014.

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Abstracts/Posters:

Lauter CB. Capillary leak syndrome. American Academy of Allergy, Asthma & Immunology, San Diego, CA, February 28-March 4, 2014.

Muraleedharan C, Talreja D, Walia D, **Band J**, Kumar A, Walia S. Pathogenicity of proportion of carbapenamase (KPC) producing Klebsiella pneumonia OUII isolated from urban Clinton River water in Michigan. 114th American Society for Microbiology General Meeting, Boston, MA, May 17, 2014.

Infectious Diseases

Abstracts/Posters: continued

Sims MD, Powell K, *Sawarynski K, Chittick P, Band J. Analysis of the bacteriostatic properties of ultrasound gel associated with a known outbreak. 54th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), Washington, DC, September 9, 2014.

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McCaffrey N, Makin J, **Sims MD.** Do current prescribing practices for the double coverage of gram negative infections actually provide double coverage. 54th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), Washington, DC, September 9, 2014.

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NEPHROLOGY

Abstracts/Posters:

Cosner D, Rooney M, Samarpungavan D, Li W, Cohn S, Mudunuri V, et al, [**Reddy GH, Rocher LL, Dumler F**]. Natural killer cells are involved in both acute antibody mediated rejection and acute cellular rejection. American Society of Clinical Pathology, Tampa, FL,

Neurology

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

Taylor DC. Brain hemorrhage. MedicineNet.com, 2014.

NUTRITION and PREVENTIVE MEDICINE

Book Chapter or Full Book Publications:

Bradley J, **Juliao TR**. Somatization. Family Medicine: Ambulatory Care and Prevention. 6th Edition. Edited by Henry S, Naglieri C, 2014 McGraw-Hill Education, Chapter 96: 873-881.

Abstracts/Posters:

Chehab MA, **Miller WM, Zalesin KC**, Dixit PK. Bariatric effects of decreased serum ghrelin levels: Literature review and future applications. Radiological Society of North America Annual Meeting, Chicago, IL, November 30, 2014.

Research Presentations:

Lynch A, **Zalesin KC**. An exploratory study of short-term changes in weight, health, and monitoring behaviors in bariatric surgery patients. Oakland University Beaumont Biomedical Research Symposium, Rochester, MI, October 31, 2014. **Awarded 2nd place of symposium.**

Other Publications (non peer-reviewed):

Zalesin KC, Miller WM, Franklin BA, Blank HS, **Karl C**, *Shuell C, et al. A summary report: Comparison of paricalcitol with cholecalciferol in the treatment of secondary hyperparathyroidism after gastric bypass surgery. AbbVie Inc, Global Medical Affairs, Chicago, IL, July 2014.

PHYSICAL MEDICINE AND REHABILITATION

Peer-Reviewed Articles:

Ysunza PA, Chaiyasate K, Micale M, McBrien M, Bloom D, Gibson D. Deletion detected by endoscopic observation of pharyngeal pulsations in a child with submucous cleft palate and persistent velopharyngeal insufficiency. *Int J Pediatr Otorhinolaryngol*, 2014, 78: 1789-1794.

Book Chapter or Full Book Publications:

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Physical Medicine and Rehabilitation

Research Presentations: continued

Ysunza PA. Neurophysiological intra operative monitoring of speech & language during neurological surgery: The role of the speech-language-hearing-voice professional in head and neck surgery. International Congress of Speech and Language Pathology. Instituto Nacional de Rehabilitacion (National Institute of Rehabilitation), Mexico City, Mexico, June 2-6, 2014.

Ysunza PA. Workshop: Intraoperative Procedures During Head and Neck Surgery. International Congress of Speech and Language Pathology, Instituto Nacional de Rehabilitacion (National Institute of Rehabilitation), Mexico City, Mexico, June 2-6, 2014.

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Ysunza PA. Severe internal carotid artery malposition in a case of 22q11.2 micro deletion syndrome with submucous cleft palate and velopharyngeal insufficiency: Diagnosis and management. Michigan Academy of Plastic Surgeons

OBSTETRICAL / GYNECOLOGICAL SERVICES

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Obstetrical / Gynecological Services

Book Chapter or Full Book Publications:

Kline-Fath BM, Bulas D, **Bahado-Singh RO**. Fundamental and advanced fetal imaging: Ultrasound and MRI. Wolters Klumer Health Publishing. 2014.

Abstracts/Posters:

Bauer ME, **Bauer ST**

Obstetrical / Gynecological Services

Abstracts/Posters: continued

Vilchez G, Chelliah A, Dai J, **Bahado-Singh RO**, Sokol R. Labor and neonatal outcomes after induction of labor in blacks. *Am J Obstet Gynecol.* 2014 Jan; 210(1):S325-S325.

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Collaborative Efforts: continued

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Pereira L, Petitt M, Fong A, Tsuge M, Tabata T, Fang-Hoover J, et al, [**Ogunyemi D**]. Intrauterine growth restriction caused by underlying congenital cytomegalovirus infection. J Infect Dis. Volume 209 Issue 3 February 1, 2014.

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Granadier RJ. Clinical profile at baseline. JAMA Neurology, published online April 21, 2014.

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Jancevski M. Basic and clinical science course (BCSC) Section 01 2013-2014 Edition: Update on General Medicine; Chapter 2: Endocrine Disorders, Chapter 8: Rheumatic Disorders, Chapter 9: Perioperative Management in Ocular Surgery.

Research Presentations:

Cheung A. Intraocular hypertension in adult retinopathy of prematurity. Michigan Society of Eye Physicians and Surgeons (MiSEPS) 46th Annual Conference, Mackinac Island, MI, August 8, 2014. **1st Place Winner in Resident Research Competition.**

Ophthalmology

Research Presentations: continued

***Cuttler NC**. New conjunctival lesions in a patient with myelofibrosis. Great Lakes Ocular Oncology Study Group, Ann Arbor, MI, April 17, 2014.

***Cuttler NC**. An interesting ocular manifestation of metastatic cutaneous melanoma. Great Lakes Ocular Oncology Study Group, Ann Arbor, MI, April 17, 2014.

Collaborative Efforts:

Cheung AY, Anderson B, Stec L, Khandhar P, Williams GA. Bilateral vaso-occlusive retinal vasculitis with H1N1 influenza A infection. Retina Cases Brief Rep, published online November 2014.

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

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ORTHOPAEDIC SURGERY

Peer-Reviewed Articles:

Boone C, Carlberg KN, Koueiter DM, Baker KC, Sadowski J, Wiater PJ, et al, [Nowinski GP, Grant K].

Orthopaedic Surgery

Peer-Reviewed Articles:

Orthopaedic Surgery

Peer-Reviewed Articles: continued

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Orthopaedic Surgery

Abstracts/Posters: continued

Saad M, Baker EA, Carrillo M, Fortin PT. Analysis of gradual correction techniques for the treatment of complex midfoot and hindfoot deformities. 32nd Annual Meeting of the Mid-America Orthopaedic Association, San Antonio, TX, April 23-27, 2014.

Research Presentations:

Beaman D

Orthopaedic Surgery

Research Presentations: continued

***Pinkas D, Moore D, Baker EA, Baker KC, Salisbury M, Kurdziel MD, et al, [Wiater JM].** Characterization of periprosthetic pro-inflammatory markers and radiographic outcomes in shoulder arthroplasty. Michigan Orthopaedic Society Annual Meeting, Mackinac Island, MI, July 13-15, 2014.

Pomajzl RJ, Baker EA, Baker KC, Phillips D, Fortin PT. Analysis of failed fresh osteochondral allografts of the talus. 32nd Annual Meeting of the Mid-America Orthopaedic Association, San Antonio, TX, April 23-27, 2014.

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***Radulescu M, Salisbury M, Kurdziel MD, Baker KC, Baker EA, Verner JJ.** Radiographic outcomes of the PROSTALAC hip implant for mid- and long-term implantation. Michigan Orthopaedic Society Annual Meeting 2014, Mackinac Island, MI, July 13-15, 2014.

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Vaupel Z, Baker EA, Salisbury M, Baker KC, Anderson J, Bohay D, et al, [Fortin P]. Retrieval analysis of total ankle arthroplasty prostheses. Michigan Orthopaedic Society Annual Scientific Meeting, Mackinac Island, MI, June 12-14, 2014.

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Collaborative Efforts:

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Orthopaedic Surgery

Collaborative Efforts: continued

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Other Publications (non peer-reviewed):

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Orthopaedic Surgery

Other Publications (non peer-reviewed): continued

Fortin PT. Joint preservation techniques in ankle arthritis. Henry Ford Hospital Grand Rounds, Detroit, MI, December 2014.

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Wiater JM. Partial rotator cuff tears: Complete the tear. Point-counterpoint debates. 3rd Annual Shoulder Course, International Congress for Joint Reconstruction, Las Vegas, NV, September 18-20, 2014.

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PATHOLOGY and LABORATORY MEDICINE

Peer-Reviewed Articles:

Atallah PC, Kassier A, **Powers S**. IgG4-related disease pericarditis, tamponade, and hepatopathy: A novel triad. *Int J Cardiol*. 2014 Sep 20;176(2):516-8.

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Manuballa V, **Amin M**, Cappell MS. Clinical presentation and comparison of surgical outcome for segmental resection vs. Whipple's Procedure for solid pseudopapillary tumor: Report of six new cases and literature review of 321 cases. *Pancreatolgy*. 2014 Jan-Feb;14(1):71-80.

Pathology and Laboratory Medicine

Peer-Reviewed Articles: continued

McIntyre E, Khandahar P, **Macknis J**, Fischer A. Pleuropulmonary blastoma (PPB) in an infant: Is the timing of an elective resection of neonatal lung lesions challenged? *J Ped Surg Case Reports*. 2014; 465-467.

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Abstracts/Posters: continued

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Research Presentations: continued

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Chavez F, **Wilson GD.** Toward MRI contrast agents for hypoxia. Oakland University Beaumont Biomedical Research Symposium, Rochester, MI, October 31, 2014.

Chen P. The evolution of accelerated partial breast irradiation: Comparative analysis of clinical outcomes with interstitial vs. balloon-based treatment. American Brachytherapy Society Annual Meeting, San Diego, CA, April 4, 2014.

Chen P. The impact of tumor volume and number of brain lesions on survival of breast cancer treatments treated with gamma knife. International Leksell Society Meeting, New York, NY, May 15, 2014.

Chen P. Surgical resection of brain metastases and the risk of recurrence in patients treated with gamma knife stereotactic radiosurgery. International Leksell Society Meeting, New York, NY, May 11-15, 2014.

Chen P. Gamma knife radiosurgery for trigeminal neuralgia. Minimally Invasive Neurological Society Annual Meeting, Detroit, MI, July 27, 2014.

Chen P. Outcomes of unsuitable patients by ASTRO guidelines treated with accelerated partial breast irradiation (APBI) via interstitial multicatheter brachytherapy: A multi-institutional collaborative study. 56th Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Francisco, CA, September 14-17, 2014.

Chen P. Personalized radiation medicine for early-stage breast cancer: Brachytherapy-based accelerated partial breast irradiation (APBI) as practiced at Beaumont Hospital. Beaumont Health System Annual Symposium, Royal Oak, MI, June 20, 2014.

Ducharme E, Macina S, Manders M, Maitz A, Krauss D, Chen P, et al, [Ye H, Grills IS]. A prospective analysis of quality of life outcomes after y03eont 23cer: Brachytherapy-based prospective

Radiation Oncology

Research Presentations: continued

Marples B. The basics of genomic radiobiology: Concepts and clinical applications. 56th Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Francisco, CA, September 14-17, 2014.

Marples B. Novel approaches for advanced radiotherapy: Radiobiological challenges. 60th Annual Meeting of the Radiation Research Society, Las Vegas, NV, September 21-24, 2014.

Sims M, Powell K, Li J, Das M, McGonagle M, **Marples B.** Development of a model for assaying the impact of radiation therapy on bacterial pneumonia. Oakland University Beaumont Biomedical Research Symposium, Rochester, MI, October 31, 2014.

Wilson GD. DNA mapping of cancer tumors. 17th Annual Beaumont Medical Staff Educational Symposium, Boyne Falls, MI, June 21, 2014.

Wilson GD. Radiation/chemoradiation and biological targeting. 56th Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Francisco, CA, September 14-17, 2014.

Wilson GD. Head and neck cancer research. Beaumont Interdisciplinary Oncology Symposium, Troy, MI, October 17-18, 2014.

Wobb J, Krueger SA, Kane J, Grills I, Wilson GD, Marples B. Pulsed radiotherapy maintains tumor oxygenation in a murine model of head and neck squamous cell carcinoma. Michigan Radiological Society, Michigan Chapter of the American College of Radiology, Radiation Oncology Resident Meeting, Novi, MI, April 17, 2014.

Wobb J, Chen PY, Shah C, Moran MS, Shaitelman SF, Vicini FA, et al. Nomogram for predicting the risk of locoregional recurrence in patients treated with accelerated partial-breast irradiation. American Society of Clinical Oncology (ASCO), San Francisco, CA, September 3-6, 2014.

Wobb J, Krueger SA, Kane J, Grills IS, Wilson GD, Marples B. Pulsed radiotherapy maintains tumor oxygenation in a murine model of head and neck squamous cell carcinoma. 44th Annual Residents' and Fellows' Research Forum, Beaumont Health System, Royal Oak, MI, May 30, 2014.

***Zhuang L, Yan D, Liang J, Ionascu D, Mangona V, *Yang K, Zhou J.** Evaluation of image guided motion management methods in lung cancer radiotherapy. Medical Physics, 41, 031911, 2014.

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

Wobb J. Nomogram predicted recurrence risk among women who underwent APBI.
<http://www.healio.com/hematology-oncology/breast-cancer/news/online/%7Bc3fd7ff3-cb7a-4d9b-be5d-9c42d3b514e8%7D/nomogr>

Radiation Oncology

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

Wobb J. Nomogram predicts risk of locoregional recurrence after accelerated partial-breast irradiation: American Society of Clinical Oncology (ASCO), San Francisco, CA, September 3-6, 2014. <http://www.firstwordpharma.com/node/1233906#axzz3Uee8JCxs>.

Wobb J. Nomogram could guide use of radiation in breast cancer. <http://www.cancernetwork.com/asco-2014-breast-cancer-symposium/nomogram-could-guide-use-radiation-breast-cancer#sthash.Vs96MTTg.dpuf>.

Other Publications (non peer-reviewed):

Marples B. Finger on the pulse? ASTRO News, Biologybytes, Winter 2014 Edition, pages 32-33, 2014.

Zhang T, *Kim J. Dual source dual detector tetrahedron beam computed tomography for image guided radiotherapy. US Patent Application, 2014.

RESEARCH INSTITUTE

RESEARCH ADMINISTRATION

RESEARCH INSTITUTE

Research Administration

Peer-Reviewed Articles:

Chinnaiyan KM, Biloliar AN, Walsh E, Wood D, *Depetris A, Gentry R, et al, [**Boura JA**]. CT dose reduction using prospectively triggered or fast-pitch spiral technique employed in cardiothoracic imaging (the CT dose study). J Cardiovasc Comput Tomogr 2014;8(3):205-14.

Dass KJ, Scott MA, Galoforo SS, Loeffler DA, **Coffey M**. Development of antihuman IgG antibodies and hematologic deficits but not clinical abnormalities in C57BL/6 mice after repeated administration of human intravenous immunoglobulin. Comp Med. 2014 Jun;64(3):169-70.

Loeffler DA, Klaver AC,

Research Administration

Abstracts/Posters: continued

*Goldin D, George D, **Chen C**, Campbell J, Emerson S, Savi

Research Administration

Research Presentations: continued

Hafron J, Pew S, Poushanchi B, Hollander J, Killinger K, **Coffee M**, et al. Exploring potential predictors of hernia after laparoscopic procedures such as robotic assisted radical prostatectomy (RARP). Society for Urodynamics and Female Urology (SUFU) Miami, FL, February 25-March 1, 2014.

Jenkins J, Bannazadeh M, Adeyemo A, ***Munoz Y**, Altshuler J, Brown OW, Sakwa M. Paradigms in treatment of type A aortic dissection. American Association for Thoracic Surgery, Aortic Symposium, New York, NY, April 24-25, 2014. Michigan Chapter of the American College of Surgeons 61st Annual Meeting and 63rd Annual Resident Surgeons Competition, May 14-16, 2014, Petoskey Michigan. **Winner of Andrew J. Walt Second Place Overall Award.** Invited speaker, Michigan Society of Thoracic and Cardiovascular Surgeons Annual Summer Conference, Mackinac Island, MI, August 7-10, 2014.

Jenkins C, Mangla J, Gates E, **Boura JA**, Long G, Welsh R. Predictors of readmission in nonagenarians undergoing elective surgery: Analysis of the ACS-NSQIP dataset. 44th Annual Residents' and Fellows' Research Forum, Beaumont Health System, Royal Oak, MI, May 30, 2014. Annual Meeting of the American College of Surgeons-National Surgical Quality Improvement Project Conference, New York, NY, July 26-30 2014.

SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES

CARDIOVASCULAR SURGERY

GENERAL SURGERY

MULTI-ORGRAN TRANSPLANT

NEUROSURGERY

OTOLARGYNGOLOGY

PEDIATRIC SURGERY

PERIPHERAL VASCULAR SURGERY

PULMONARY and CRITICAL CARE

THORACIC SURGERY

VASCULAR SURGERY

CARDIOVASCULAR SURGERY

Abstracts/Posters:

Bannazadeh M, Forsyth A, Wilson B, **Jenkins C**, **Sakwa M**, **Altshuler J**, Bis K, Brown OW. PS8 flap thickness in type B aortic dissection predicts aneurysmal expansion. Journal of Vascular Surgery. 2014 59(6) Supplement 37S-38S.

Research Presentations:

Bannazadeh MD, **Jenkins C**, Forsyth A, Kramer J, Bove P, Long G. Does iliac artery aneurysm increase secondary intervention rates after EVAR? 42nd Annual Symposium, Society for Clinical Vascular Surgery, Carlsbad, CA, March 22, 2014.

Jenkins J, **Bannazadeh M**, **Adeyemo A**, *Munoz Y, **Altshuler J**, Brown OW, **Sakwa M**. Paradigms in treatment of type A aortic dissection. American Asso

GENERAL SURGERY

Peer-Reviewed Articles:

Adeyemo A, Bannazadeh M, *Riggs T, Shellnut J, Barkel D, Wasvary H. Does sedation type affect colonoscopy perforation rates? *Diseases of the Colon and Rectum*, January 2014 57(1):110-114.

Ahmed S, ***Shaffer A**, Geddes T, Studzinski D, Mitton K, Pruetz B, et al. Evaluation of optimal RNA extraction method from human carotid atherosclerotic plaque. *Cardiovascular Pathology*, published online December 4, 2014.

Baker DA, Mangla J, Morden RM, Fischer AC. Abdominal distention in an infant. *Gastroenterology*, published online November 22, 2014.

***Fenton J, Veenstra M**, Bove P. Angiosarcoma involving native abdominal aortic aneurysm sac after endograft repair. *Ann Vasc Surg*. 2014 Feb;28(2):490.e1-4.

***Iacco A, Adeyemo A, *Riggs T, Janczyk R.** Single institutional experience using biological mesh for abdominal wall reconstruction. *American Journal of Surgery* 2014 Sept; 208 (3): 480-484.

Lanni TB, **Brown E, Kuwajerwala N**, Stromberg J, Gustafson G, Wood R, et al. Implementation of an oncology exercise and wellness rehabilitation program to enhance survivorship: The Beaumont Health System experience. *The Journal of Community and Supportive Oncology*, March 2014. Volume 12(3): 87-91.

***Masterson L**, Thibodeau BJ, Fortier LE, Geddes TJ, Pruetz BL, Malhotra R, et al, **[Keidan R]**. Gene expression differences predict treatment outcome of merkel cell carcinoma patients. *Journal of Skin Cancer*, published online January 30, 2014.

Nagar S, Ahmed S, ***Peeples C, *Urban N**, Boura J, Thibodeau B, et al, **[Akervall J, Czako P]**. Evaluation of genetic biomarkers for distinguishing benign from malignant thyroid neoplasms. *The American Journal of Surgery* Volume 207, Issue 4, April 2014, Pages 596–601.

***Pentiaik MA, Veenstra M, Ivascu F.** Financial implications of drunk driver legislation on hospital reimbursement. *The American Surgeon*, published online October 15, 2014.

Abstracts/Posters:

Bannazadeh M, Forsyth A, Wilson B, **Jenkins C**, Sakwa M, Altshuler J, et al. Flap thickness in type B aortic dissection predicts aneurysmal expansion. *Journal of Vascular Surgery* 2014 59(6) Supplement 37S-38S.

General Surgery

Research Presentations:

Aggarwal A, Mangla J, *Louwers L, Long G, Bove P. Single center long-term results utilizing the Talent aortic endograft. Michigan Chapter of the American College of Surgeons 61st Annual Meeting and 63rd Annual Resident Surgeons Competition, Petoskey MI, May 14-16, 2014, **Winner of Frederick A Coller Best Paper Award.** 44th Annual Residents' and Fellows' Research Forum, Beaumont Health System, Royal Oak, MI, May 30, 2014.

Azmath M, Jenkins C, Mangla J, Schuch-Miller D, Robbins J. Evaluating the effectiveness of chest tube teaching modules. 3rd Annual William M. Davidson Medical Education Week, Royal Oak, MI, May 19-21, 2014.

Baker D, Mangla J, Morden R, Fischer A. Nine-month-old girl with abdominal distension. Michigan Chapter of the American College of Surgeons 61st Annual Meeting and 63rd Annual Resident Surgeons Competition,

Baker D, Mangla J, Oak,

General Surgery

Research Presentations: continued

Chung H, Welsh R. Continuous sedation during spontaneous breathing trial as an adjunct for extubation. Michigan Chapter of the American College of Surgeons 61st Annual Meeting and 63rd Annual Resident Surgeons Competition, Petoskey MI, May 14-16, 2014. 44th Annual Residents' and Fellows' Research Forum, Beaumont Health System, Royal Oak, MI, May 30, 2014.

Douglas J, Iacco A, Mangla J, Jenkins C, Janczyk R, Ivascu F. Single center early outcomes of ventral hernia repair using Bio-A mesh. 44th Annual Residents' and Fellows' Research Forum, Beaumont Health System, Royal Oak, MI, May 30, 2014. Midwest Surgical 2014 Annual Meeting, Mackinac Island, MI, August 3-5, 2014.

Jenkins J, Bannazadeh M, Adeyemo A, *Munoz Y, Altshuler J, Brown OW, Sakwa M. Paradigms in treatment of type A aortic dissection. American Association for Thoracic Surgery, Aortic Symposium, New York, NY, April 24-25, 2014. Michigan Chapter of the American College of Surgeons 61st Annual Meeting and 63rd Annual Resident Surgeons Competition, May 14-16, 2014, Petoskey Michigan. **Winner of Andrew J. Walt Second Place Overall Award.** Invited speaker, Michigan Society of Thoracic and Cardiovascular Surgeons Annual Summer Conference, Mackinac Island, MI, August 7-10, 2014.

Jenkins C, Mangla J, Gates E, Boura J, Long G, Welsh R. Predictors of readmission in nonagenarians undergoing elective surgery: Analysis of the ACS-NSQIP dataset. 44th Annual Residents' and Fellows' Research Forum, Beaumont Health System, Royal Oak, MI, May 30, 2014. Annual Meeting of the American College of Surgeons-National Surgical Quality Improvement Project Conference, New York, NY, July 26-30 2014.

Jenkins C, Mangla J, Schuch-Miller D, Robbins J. Evaluation of tube thoracostomy teaching models: An argument for developing low-fidelity simulators. American College of Surgeons' 7th Annual Meeting of the Consortium of ACS-accredited Education Institutes, Chicago, IL, March 21-22, 2014.

Mangla J, Jenkins C, Bannazadeh M, Gates E, Welsh R, Long G. Predictors of mortality in abdominal aortic aneurysm repair for nonagenarians: Analysis of the NSQIP dataset. Society for Clinical Vascular Surgery 42nd Annual Symposium, Carlsbad, CA, March 18-22, 2014. Michigan Chapter of the American College of Surgeons 61st Annual Meeting and 63rd Annual Resident Surgeons Competition, Petoskey, MI, May 14-16, 2014. 44th Annual Residents' and Fellows' Research Forum, Beaumont Health System, Royal Oak, MI, May 30, 2014. ACS NSQIP National Conference, New York, NY, July 26-29, 2014.

Mangla J, Jenkins C, Gates E, Shuell C, Long G, Welsh R. HbA1c and outcomes in elective non-cardiac surgery: Analysis of the NSQIP dataset. Annual Meeting of the American College of Surgeons-National Surgical Quality Improvement Project Conference, New York, NY, July 26-30 2014. **Winner of Best Poster Award.**

Mangla J, Jenkins C, Somerset A, Yang W, Gates E, Shuell C, et al, [Krause K, Chengelis D]. Outcomes of laparoscopic versus open inguinal hernia repair: Analysis of the NSQIP dataset. Annual Meeting of the American College of Surgeons, San Francisco, CA, October 26-30. 2014.

General Surgery

Research Presentations: continued

MULTI-ORGAN TRANSPLANT SURGERY

Abstracts/Posters:

Cosner D, Rooney M, **Samarpungavan D**, Li W, **Cohn S**, **Mudunuri V**, et al, [**Reddy GH**, **Rocher LL**, **Dumler F**, **Koffron A**]. Natural killer cells are involved in both acute antibody mediated rejection and acute cellular rejection. American Society of Clinical Pathology, Tampa, FL, October 8-10, 2014.

NEUROSURGERY

Peer-Reviewed Articles:

Fahim DK, Tatsui CE, Gumin J, Lang FF, Suki D, Rhines LD. Orthotopic murine model of a primary malignant bone tumor in the spine: Functional, bioluminescence, and histological correlations. *J Neurosurg Spine*. 2014, 21(3):378-85.

Guckenberger M, Mantel F, Gerszten PC, Flickinger JC, Sahgal A, Letourneau D, et al, [**Fahim DK**]. Safety and efficacy of stereotactic body radiotherapy as primary treatment for vertebral metastases: A multi-institutional analysis. *Radiat Oncol*. 2014, 16:9(1):226.

Perez-Cruet MJ, Hussain NS, White GZ, Begun EM, Collins RA, **Fahim DK**, et al. Quality-of-life outcomes with minimally invasive transforaminal lumbar interbody fusion based on long-term analysis of 304 consecutive patients. *Spine (Phila Pa 1976)*. 2014 Feb 1;39(3):E191-8.

Snyder LA, O'Toole J, Eichholz KM, **Perez-Cruet MJ**, Fessler R. The technological

Neurosurgery

Abstracts/Posters: (continued)

Diaz FG. Navigating through Obamacare. 33rd Annual Meeting Michigan Association of Neurological Surgeons, Petosky, MI, May 2014.

Hunt R, Marples B, **Michael DB.** Radiation therapy for Alzheimer's Disease: Influence on beta amyloid and synaptophysin expression. Class of 2016 Capstone Abstract Presentations, Oakland University William Beaumont School of Medicine, Rochester Hills, MI, May 19-21, 2014. **3rd Place Winner.**

Michael DB, Hanna A, Hunt RJ, Martinez A, Maddens M, Wilson G, et al. External radiation is associated with reduction of A β plaque burden and hippocampal synaptophysin staining in a murine model of Alzheimer's Disease. Society for Neuroscience, Washington, DC, November 19-21, 2014.

Research Presentations:

Diaz FG. Minimally invasive lateral access surgery for degenerative scoliosis. Minimally Invasive Neurosurgical Society Annual Meeting, Detroit, MI, July 2014.

Diaz FG. Healthcare economics for neurosurgeons. Minimally Invasive Neurosurgical Society Annual Meeting, Detroit, MI, July 2014.

Diaz FG. Posterior interspinous lumbar fusion for spinal stenosis. Asian Neurosurgical Society Meeting, Astrhakan, Russia, September 9, 2014.

Diaz FG. Minimal access, lateral interbody fusion for degenerative scoliosis. Asian Neurosurgical Society Meeting, Astrhakan, Russia, September 9, 2014.

Diaz FG. Obamacare, what it will mean to you. Congress of Neurological Surgeons Annual Meeting. Boston, MA, October 18-22, 2014.

Diaz FG. How to determine a career pathway in neurosurgery. Congress of Neurological Surgeons, Annual Meeting, Boston, MA, October 18-22, 2014.

Diaz, FG. Cerebral revascularisation for cerebral ischemia. 11th International Conference on Cerebral Vascular Surgery, Jakarta, Indonesia, December 11-14, 2014.

Diaz, FG. Radiosurgery in the Mangement of Arterio Venous Malforrnational Confe250.4 4911.198 TD.14

Diaz, FG.

Neurosurgery

Research Presentations: (continued)

Michael DB. Radiation therapy for Alzheimer's Disease? I thought radiation was bad for the brain! Michigan Association of Neurological Surgeons (MANS) Annual Meeting, Crystal Mountain, MI, May 31, 2014.

Michael DB. Radiation treatment for the treatment of Alzheimer's. 7th Annual New Frontiers in Neuroscience, Beaumont Health System, Royal Oak, MI, July 25, 2014.

Michael DB. Radiation therapy for Alzheimer's Disease. 5th Annual Meeting of the Minimally Invasive Neurosurgical Society, Detroit, MI, July 27, 2014.

Qahwash O. Endovascular therapy: Where are we now? National Conference, American College of Osteopathic Surgeons, Boston, MA, September 18-21, 2014.

Collaborative Efforts:

Fridley J, **Fahim D**, Navarro J, Wolinsky JP, Omeis I. Free-hand placement of iliac screws for spinopelvic fixation based on anatomical landmarks: Technical note. Int J Spine Surg. 2014 8. eCollection 2014.

OTOLARYNGOLOGY

Peer-Reviewed Articles:

Cohen DS, VandeGriend ZP, Yoo GH, **Folbe AJ**, Lin H. Risk stratification based on thyroid cytology: Can we rely on national data? *American Journal of Otolaryngology*, May-June 2014;35(3):362-365.

Dubal PM, Svider, PF, Denis D,

Otolaryngology

Peer-Reviewed Articles: continued

Schwartz SJ, Svider PF, Shah P, Zuliani G, Eloy JA, Setzen M, **Folbe AJ**. Voicing an impact: Who does the National Institutes of Health support for voice disorder research? *Am J Otolaryngol*, published online October 23, 2014.

Svider, PF, Carron M, Zuliani G, Eloy JA, Setzen M, **Folbe AJ**. Lasers and losers in the eyes of the law: Liability for head and neck procedures. *JAMA Facial Plast Surg*. 2014 Jul-Aug; 16(4):277-83.

Svider PF, Eloy JA, Baredes S, Setzen M, **Folbe AJ**

Otolaryngology

Book Chapter or Full Book Publications: (continued)

Zappia JJ, Pieper DR. Treatment of labyrinthine disorders. In: Surgical Technique in Otolaryngology-Head and Neck Surgery: Otologic and Neurotologic Surgery. Eds. LaRouere MJ, Bojrab DI, Babu SC. 2014 Jaypee Publishing, pp. 89-120.

Otolaryngology

Research Presentations: (continued)

Schwartz SJ, Svider PF, Shah P, Zuliani G, Eloy JA, Setzen M, **Folbe AJ**. Voicing an impact: who does the National Institutes of Health support for voice disorder research? American Laryngological Association, Combined Sections Spring Meeting, Las Vegas, NV, May 14-15, 2014.

Svider PF, Jiron J, Zuliani G, Shkoukani MA, **Folbe AJ**, **Carron MA**. Unattractive consequences: Litigation from dermabrasion and chemical peel procedures. American Association of Facial Plastic and Reconstructive Surgery 11th International Symposium, New York, NY, May 27-31, 2014.

Collaborative Efforts:

Babu S. Unilateral hearing loss and implantable solutions. Michigan Ear Institute Annual Spring Conference, Traverse City, MI, June 1, 2014.

Bojrab D. Observe, operate, or radiate: Trends in acoustic neuroma treatment. Michigan Ear Institute Annual Spring Conference, Traverse City, MI, May 31, 2014.

Bojrab DI. Managing complications of chronic otitis. American Academy of Otolaryngology-Head and Neck Surgery, Vancouver, BC, September 2014.

Bojrab DI. Surgical decision making in cholesteatoma. American Academy of Otolaryngology-Head and Neck Surgery, Vancouver, BC, September 2014.

Bojrab DI. Vestibular schwannomas: ENT Approach. 7th Annual New Frontiers in Neuroscience, William Beaumont Hospital, Royal Oak, MI, July 25, 2014.

Bojrab DI. Hearing preservation acoustic neuroma care. MINS 2014 Conference, Detroit Marriott Renaissance Center, Detroit MI, July 25-27, 2014.

Chan E. Primar and revision mastoid surgery. Michigan Ear Institute Annual Spring Conference, Traverse City, MI, June 1, 2014.

Hong R. Vestibular evoked mogetic potentials (VEMPs). Michigan Ear Institute Annual Spring Conference, Traverse City, MI, June 1, 2014.

Hong RS, Kartush JM, Parkinson AJ, LaRouere MJ. Single-sided deafness with a vestibular schwannoma in the only hearing ear: Role of cochlear implantation. J Otol Rhinol. 2014 3:1-6.

Kircher ML, Thottam PJ, **Bojrab D I**, **Babu SC**. Utility and cost analysis of cholesteatoma histopathologic evaluation. The Laryngoscope. 2014;124: 538-540.

LaRouere M. Cochlear implants. Michigan Ear Institute Annual Spring Conference, Traverse City, MI, June 1, 2014.

LaRouere MJ. Treatment of acoustic neuroma. Walter Work Society Meeting, Ann Arbor, MI, October 9, 2014.

Otolaryngology

Collaborative Efforts:

LaRouere M. Diagnosis and treatment of petrous apex lesions. Invited speaker Osteopathic Mid-Year ENT Convention, Detroit, MI, October 11-12, 2014.

Naumann I. Pulsatile tinnitus. Michigan Ear Institute Annual Spring Conference, Traverse City, MI, May 31, 2014.

Sargent E. Facial nerve update. Michigan Ear Institute Annual Spring Conference, Traverse City, MI, May 31, 2014.

Sargent E. Facial nerve problems. St John Providence 5th Annual Neuroscience Conference, Novi, MI, September 19, 2014.

Setty P, **LaRouere P**, **Babu SC.** Endoscopic resections of cerebellopontine angle meningiomas. North American Skull Base Society Meeting, San Diego, CA, February 15, 2014.

Setty P, **LaRouere P**, **Babu SC.** Endoscopic resections of vestibular schwannoma. North American Skull Base Society Meeting, San Diego, CA. February 15, 2014.

Stucken EZ, **Hong RS.** Noise-induced hearing loss: An occupational medicine perspective. Curr Opin Otolaryngol Head Neck Surg. 2014 22:388-93.

Zappia JJ. Practice trends and liability issues in endoscopic sinus surgery. Michigan Ear Institute Annual Spring Conference. Traverse City, MI, May 31, 2014.

PLASTIC SURGERY

Peer-Reviewed Articles:

Ysunza A, **Chaiyasate K**, Micale, M, McBrien M, et al. Deletion detected by endoscopic observation of pharyngeal pulsations in a child with submucous cleft palate and persistent velopharyngeal insufficiency. International Journal of Pediatr Otorhinolaryngol. 2014 Oct; 78(10):1789-94.

Research Presentations:

Shaheen KW. Posterior cranial vault distraction in the treatment of syndromic craniosynostosis: Effects of intracranial volume in two consecutive cases. 13th Biennial Michigan Academy of Plastic Surgeons Conference, Mackinac Island, MI, July 2014.

PULMONARY AND CRITICAL CARE

Research Presentations:

Siddiqui M, Cowan D, Keena D. Multiple necrobiotic pulmonary nodules and a large hydropneumothorax in a patient with severe rheumatoid arthritis. American Thoracic Society Conference, San Diego, CA, May 16-21, 2014.

THORACIC SURGERY

Research Presentations:

VASCULAR SURGERY

Peer-Reviewed Articles:

Ahmed S, Shaffer A, Geddes T, Studzinski D, Mitton K, Pruetz B, et al, [**Long G, Shanley CJ**]. Evaluation of optimal RNA extraction method from human carotid atherosclerotic plaque. Cardiovascular Pathology, published online December 04, 2014.

Fenton J, Veenstra M, Bove PG. Angiosarcoma involving native abdominal aortic aneurysm sac after endograft repair. Ann Vasc Surg. 2014 Feb;28(2):490.e1-4.

Nagar S, Ahmed S, ***Peebles C**, ***Urban N**, Boura J, Thibodeau B, et al, [**Long G**]. Evaluation of genetic biomarkers for distingui

Vascular Surgery

Research Presentations: continued

Shanley CJ, Boros MJ, Park YJ, Gurmd HS, Grossmand PM, Rubine JR, et al. Carotid interventions in the post-CREST era: Contemporary outcomes for carotid interventions in the state of Michigan. 38th Annual Meeting of the Midwestern Vascular Surgical Society, Coralville, IA, September 4-6, 2014.

Shanley CJ. Contemporary outcomes for carotid intervention in the state of Michigan. Frederick A. Collier 60th Annual Meeting, Frederick A. Collier Surgical Society, Branson, MO, October 16-19, 2014.

Shanley CJ. In search of the holy grail of infection prevention: Real-time detection of antibiotic-resistant pathogens. 60th Annual Meeting, Frederick A. Collier Surgical Society, Branson, MO, October 16-19, 2014.

Simon R, Mangla J, **Jenkins C**, **Long G**, Shuell C, Gates E, et al. Preoperative HbA_{1c} and outcomes in non-cardiac surgical patients: Analysis of the ACS-NSQIP dataset. 61st Annual Meeting and 63rd Annual Resident Surgeons Competition, Michigan Chapter of the American College of Surgeons, Petoskey, MI, May 14-16, 2014. 44th Annual Beaumont Health System Residents' and Fellows' Research Forum, Royal Oak, MI, May 30, 2014.

Collaborative Efforts:

Obi A, Yeo Y, **Bove PG**, Cuff R, Kazmers A, Gurm H, et al. Postoperative transfusion is associated with a dramatic increase in 30-day morbidity and mortality in patients undergoing major vascular surgery. *Journal of Vascular Surgery* Volume 60, Issue 4, Page 1108, October 2014.

Laurence PF, Klausner JQ, Harlander-Locke MP, Coleman DM, Stanley JC, Oderich GS, et al, [Tf12 0 0 12 50.4 508.0r9.005 0 TJsm.u

UROLOGY

Peer-Reviewed Articles:

Chancellor MB. The overactive bladder progression to underactive bladder hypothesis. *Int Urol Nephrol.* 2014. Sep; 46 Suppl 1:S23-7.

Chancellor MB, Diokno A. CURE-UAB: shedding light on the underactive bladder syndrome. *Int Uro Nephrol.* 2014 Sep; 46 Suppl 1:S1.

Chancellor MB, Levanovich P, Rajaganapathy B, Verecke A. Optimal management of overactive bladder: Medication vs. Botox vs. Interstim vs. Urgent PC. *Business of Urology* 1:7-12, 2014.

Chennamsetty A, Ehlert MJ, Peters KM, Killinger KA. Advances in diagnosis and treatment of interstitial cystitis/painful bladder syndrome. *Current Infectious Disease Reports.* 2014; 17 (1): 1-10.

Chennamsetty A, Khourdaji I, Goike J, Killinger KA, Girdler B, Peters KM. Electrosurgical management of Hunner ulcers in a referral center's interstitial cystitis population. *Urology* 2014.

Chennamsetty A, Hafron J, Wong CO. The role of positron emission tomography in urology. *American Urological Association Update,* 2014; 33: 257.

Chennamsetty A, Wenzler D, Fischer M. Removal of a penile constriction device with a large orthopedic pin cutter. *Case*

Urology

Peer-Reviewed Articles: continued

Wood DP. Current clinical practice gaps in the treatment of intermediate-and high-risk non-muscle-invasive bladder cancer (NMIBC) with emphasis on the use of bacillus Calmette-Guerin(BCG): Results of an international individual patient data survey (IPDS). J Urol. 2014 Jun; 191 (6):1731.

Urology

Urology

Research Presentations: continued

Ehlert M, *Carrico D, Tomakowsky J, Dove-Medows E, Carty J, Lumley M, et al, [**Sirls L, Bartley J, Peters KM**]. Associations between validated urology and psychology questionnaires in a women's urology center practice. Society for Urodynamics and Female Urology (SUFU) Miami, FL, February 25-March 1, 2014.

Ehlert M, *Carrico D, Dove-Medows E, Seltzer M, **Bartley J, Gilleran J**, et al, [**Sirls LT, Peters KM**]. Bullying and abuse history: Relationships with pain, urologic symptoms, exam and co-morbidities. Society for Urodynamics and Female Urology (SUFU) Miami, FL, February 25-March 1, 2014.

Ehlert M, Sirls LT, *Carrico D, Dove-Medows E, Gilleran J, Bartley J, et al. [**Peters KM**]. Voiding complaints in patients presenting with pelvic pain. Society for Urodynamics and Female Urology (SUFU) Miami, FL, February 25-March 1, 2014. 88th Annual North Central Section, American Urological Association, Chicago, IL, September 11, 2014.

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