Research Institute

Report of Accomplishments

2014
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 patients’ lives are improved and enriched because of the outstanding research carried out by Beaumont physicians and staff.

Outstanding biomedical research is a major component of the excellent reputation of Beaumont Health System as an academic medical center. 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 System as a leading academic medical center, 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 System 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 both basic sciences and clinical 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 clinical 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 1,103 trials with over 620,293 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.

The success of our commitment to excellent service and patient safety is shown by our receipt of full accreditation of our human research protection program by AAHRPP (Association for Accreditation of Human Research Protection Programs) on the first submission. Beaumont’s strategic plan calls for initiatives which the well established national and international reputation achieved by some of our research programs, including Cardiovascular Medicine, Radiation Oncology, Medical Oncology (Hem/Onc), Urology, Orthopaedics, Ophthalmology, Anesthesiology, Surgery, Emergency Medicine, and many other programs provide. We look forward to continuing research excellence and productivity as Beaumont enters an exciting new phase of academic development. This Report of Research Accomplishments highlights the depth and breadth of Beaumont’s academic excellence. We extend our congratulations and appreciation to the many investigators who have contributed these extraordinary achievements while providing outstanding medical care to our patients.
Beaumont Research Institute
Fact Sheet – 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 Training Lab for Cardiovascular and Medical Education
- Tyner Hybrid Cath Lab/OR Suite
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Peer-Reviewed Articles:


Abstracts/Posters:


*Hartrick CT. Pain pharmacology: Special considerations in the elderly. WIP World Congress Abstracts; 2014;7:56.

*Hartrick CT. Establishing treatment goals in chronic pain. WIP World Congress Abstracts; 2014;7:41.


*Hartrick CT. Medical management of neuropathic pain. 16th Annual Pain Management Symposium, Cleveland Clinic Foundation Las Vegas, Nevada, February 17, 2014.
Anesthesiology and Perioperative Medicine

Research Presentations:


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

**Peer-Reviewed Articles:**


BioBank

Abstracts/Posters:


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.


BioBank

Website Contributions, Video Clips, or other Multi-Media Contributions:


CARDIOVASCULAR DISEASE

Peer-Reviewed Articles:


Cardiovascular Disease

Peer-Reviewed Articles: continued


Cardiovascular Disease

Peer-Reviewed Articles: continued


Book Chapter or Full Book Publications:


Abstracts/Posters:

**Cardiovascular Disease**

**Abstracts/Posters: continued**


Cardiovascular Disease

Collaborative Efforts:


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.


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


Cardiovascular Disease

Collaborative Efforts: (continued)


Lakshmanadoss U, Deshmukh P. Rhythm control with catheter ablation improves cardiomyopathy and heart failure compared with rate control. American Heart Association Annual Conference, Chicago, IL, November 15-18, 2014.


Cardiovascular Disease

**Collaborative Efforts:** (continued)


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


**Other Publications (non peer-reviewed):**

COLON and RECTAL SURGERY

**Peer-Reviewed Articles:**


**Abstracts/Posters:**


**Research Presentations:**


Wasvary H. Lower gastrointestinal motility. Oakland University William Beaumont School of Medicine, Rochester, MI, September 18, 2014.


Hain JM. Colon screening test use. GI Tumor Conference, Crittenton Hospital Medical Center, Rochester, MI, January 24, 2014.

Hain JM. HIPEC. GI Tumor Conference, Crittenton Hospital Medical Center, Rochester, MI, February 28, 2014.

Hain JM. Review of pathology of AIN. GI Tumor Conference, Crittenton Hospital Medical Center, Rochester, MI, September 26, 2014.

Hain JM. AIN, progression and treatment. GI Tumor Conference, Crittenton Hospital Medical Center, Rochester, MI, October 24, 2014.


Colon and Rectal Surgery

Collaborative Efforts:


DIAGNOSTIC RADIOLOGY and MOLECULAR IMAGING

Peer-Reviewed Articles:


Diagnostic Radiology and Molecular Imaging

Peer-Reviewed Articles: continued


**Singh KT, Cosner D, Ellis, BI.** Radiographic features of hyperparathyroidism. Contemporary Diagnostic Radiology, Volume 37, Number 23, November 15, 2014.


Wu D, Fink-Bennett D, Campbell J. Thyroid remnant ablation following administration of a diagnostic dose of iodine-131 under Thyrogen stimulation. Thyroid. 2014 May;24(5):924-5.


Diagnostic Radiology and Molecular Imaging

Abstracts/Posters:


Al-Katib S, Basmaji C, Metz T, Harb J, Shetty M, Tenzer M, Khan AM. Not so incidental findings on chest radiography, are you paying attention? American Roentgen Ray Society (ARRS), San Diego, CA, May 4-9, 2014.


*Borovicka K, Mitri C. Characterizing the grades of ductal carcinoma in situ on imaging and recognizing the potential mimickers. Association of University Radiologists (AUR), Baltimore, MA, April 1-4, 2014.


Jolepalem P, Rydberg J, Wong CO. Optimizing 18F-FDG uptake time prior to imaging improves the accuracy of PET/CT. American College of Nuclear Medicine/Society of Nuclear Medicine and Molecular Imaging (ACNM/SNMMI), Palm Springs, CA, February 6-9, 2014.


Kennedy AS, Ball D, Cohen SJ, Cohn M, Coldwell DM, et al, [Savin M]. Safety and efficacy of radioembolization in elderly (≥70 years) and very elderly (≥75 years) patients compared with younger patients with unresectable liver-dominant colorectal cancer. American College of Radiation Oncology (ACRO) Annual Meeting, Orlando, FL, February 27-March 1, 2014.


*Khayyat N, Bajwa A, Goncalves L. Metabolic none disease: Nuclear imaging spectrum of rare and frequent findings: Correlation with other imaging modalities and pathologic changes. Association of University Radiologists (AUR), Baltimore, MA, April 1-4, 2014.

*Khayyat N, Bajwa A, Goncalves L. The new PET/MRI is in your department: How to read the MRI as a nuclear medicine physician in a quick and easy way. Society of Nuclear Medicine and Molecular Imaging 2014 (SNMMI), St. Louis, MO, June 7-11, 2014.
Diagnostic Radiology and Molecular Imaging

Abstracts/Posters: continued

*Khayyat N, Bajwa A, Goncalves L. Rare and common benign findings, incidentals and artifacts of F-18 PDG/CT Scan in head and neck imaging: Illustrative case examples. Society of Nuclear Medicine and Molecular Imaging 2014 (SNMMI), St. Louis, MO, June 7-11, 2014.


Diagnostic Radiology and Molecular Imaging

Abstracts/Posters: continued


Rebner M. Mammography update-BIRADS V. Radiological Society of North American (RSNA), Chicago, IL, November 30-December 5, 2014.


Diagnostic Radiology and Molecular Imaging

Abstracts/Posters: continued


Research Presentations:


Diagnostic Radiology and Molecular Imaging

Research Presentations: continued


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


Other Publications (non peer-reviewed):


Peer-Reviewed Articles:


Emergency Medicine

Peer-Reviewed Articles: continued


Book Chapter or Full Book Publications:


Abstracts/Posters:


Emergency Medicine

Abstracts/Posters: continued


Stahl AR, Qu L, Swor RA, Sawyer KN. Risk stratification of pulmonary embolism in the ED: There is room for improvement. Society for Academic Emergency Medicine Annual Meeting, Dallas, TX, May 13-17, 2014.

Swor RA, Ziadeh J, Jayasankar S. Comparison of attending only vs. resident with attending supervision Press Ganey scores in ED patients. Society for Academic Emergency Medicine Annual Meeting, Dallas, TX, May 13-17, 2014.


Collaborative Efforts:


Emergency Medicine

**Collaborative Efforts:** continued

**FAMILY MEDICINE**

**Peer-Reviewed Articles:**


*Taylor JLE, Oleszkowicz A. Is methylphenidate useful for teenagers with attention deficit/hyperactivity disorder (ADHD)? Evidence Based Practice 2014; 17(5):12.

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):**

Mulhem E. In healthy adults, what are the benefits and harms of vaccines for preventing influenza? Cochrane Clinical Answers 2014

Mulhem E. What are the benefits and harms of screening for prostate cancer? Cochrane Clinical Answers 2014

Mulhem E. In people with type 2 diabetes mellitus, what are the effects of the adenosine-diphosphate (ADP) receptor antagonists clopidogrel or ticlopidine for the secondary prevention of cardiovascular disease? Cochrane Clinical Answers 2014

Mulhem E. In healthy children, what are the benefits and harms of vaccines for preventing influenza? Cochrane Clinical Answers 2014

Mulhem E. In adults with hypercholesterolemia, is there randomized controlled trial evidence to support the use of isoflavones? Cochrane Clinical Answers 2014

Mulhem E. What are the benefits and harms of sublingual immunotherapy compared with placebo in people with allergic rhinitis? Cochrane Clinical Answers 2014

Mulhem E. In people with unilateral peripheral vestibular dysfunction, what are the effects of vestibular rehabilitation? Cochrane Clinical Answers 2014
INTEGRATIVE MEDICINE

Peer-Reviewed Articles:

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:


Abstracts/Posters:


Collaborative Efforts:

GASTROENTEROLOGY and HEPATOLOGY

Peer-Reviewed Articles:


**Cappell MS.** Adverse patient consequences from inadequately trained endoscopists obtaining privileges for advanced endoscopic procedures: Case reports suggesting a need for stricter enforcement of fellowship procedure certification and hospital privileging guidelines. Minerva Gastroenterol Dietol. 2014 Sep; 60(3):202-203.


**Cappell MS, Mogrovejo E, Manickam P, Batke M.** Endoclips to facilitate cannulation and sphincterotomy during ERCP in a patient with an ampulla within a large duodenal diverticulum. Dig Dis Sci, published online August 20, 2014.


*Co MJ, Ghaith G, Amin M, Cappell MS.** Chronic vomiting from esophageal stenosis due to a congenital, ectopic, tracheobronchial ring within the esophagus: Endoscopic and endoscopic ultrasound findings. Gastrointest Endosc. 2014 Dec; 80(6):1178-1179.


Gastroenterology and Hepatology

Peer-Reviewed Articles: continued


Book Chapter or Full Book Publications:

Gastroenterology and Hepatology

Abstracts/Posters:


GENERAL INTERNAL MEDICINE

Peer-Reviewed Articles:


Abstracts/Posters:


General Internal Medicine

Abstracts/Posters: continued


General Internal Medicine

Abstracts/Posters: continued


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


General Internal Medicine

Abstracts/Posters: continued


Research Presentations:


Abstracts/Posters:


HEMATOLOGY / ONCOLOGY

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Abstracts/Posters:


Collaborative Efforts:


Hematology / Oncology

Other Publications (non peer-reviewed):


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.
INFECTIONOUS 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.


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.


Book Chapter or Full Book Publications:


Abstracts/Posters:


Infectious Diseases

Abstracts/Posters: continued


Powell K, Sims MD. Impact of low dose colistin (COL) and daptomycin (DAP) on acinetobacter baumanii (AB). 54th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), Washington, DC, September 9, 2014.

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.

Abstracts/Posters:

NEUROLOGY

Peer-Reviewed Articles:


**Loeffler DA**, **Klaver AC**, Coffey MP. Aβ anti-idiotypic antibodies are present in intravenous immunoglobulin and are produced in mice following its administration. Autoimmunity. 2014 Nov 13:1-5.


Book Chapter or Full Book Publications:


Abstracts/Posters:

**Dominguez GJ**, **Santhakumar S**. Factors that influence the treatment times and outcome of acute ischemic stroke. 3rd Annual William Davidson Medical Education Week, OUWB School of Medicine/William Beaumont Hospital, Royal Oak, MI, May 19-21, 2014.

Kavanagh M, Afonso N, **Santhakumar S**. Identifying professionalism during clerkships using an objective structured clinical exam. 3rd Annual William Davidson Medical Education Week, OUWB School of Medicine/William Beaumont Hospital, Royal Oak, MI, May 19-21, 2014.
LaPorte J, Thomas D, **Santhakumar S.** Effectiveness of head CT protocol changes on time to treatment and patient outcomes in acute stroke management. 3rd Annual William Davidson Medical Education Week, OUWB School of Medicine/William Beaumont Hospital, Royal Oak, MI, May 19-21, 2014.

**Research Presentations:**


Dominguez GJ, **Santhakumar S.** Factors that influence the treatment times and outcome of acute ischemic stroke. Oakland University William Beaumont School of Medicine Research Day, Rochester, MI, June 11, 2014.

LaPorte J, Thomas D, **Santhakumar S.** Effectiveness of head CT protocol changes on time to treatment and patient outcomes in acute stroke management. Oakland University William Beaumont School of Medicine Research Day, Rochester, MI, June 11, 2014.


**Collaborative Efforts:**


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


Neurology

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


**Other Publications (non peer-reviewed):**

NUTRITION and PREVENTIVE MEDICINE

Book Chapter or Full Book Publications:


Abstracts/Posters:


Research Presentations:


Other Publications (non peer-reviewed):

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Abstracts/Posters:


Research Presentations:


Ysunza PA. Acoustic analysis of voice during running speech. International Congress of Speech and Language Pathology. Instituto Nacional de Rehabilitacion (National Institute of Rehabilitation), Mexico City, Mexico, June 2-6, 2014.

Ysunza PA. Applications of acoustic evaluations in the diagnosis and management of voice disorders. International Congress of Speech and Language Pathology. Instituto Nacional de Rehabilitacion (National Institute of Rehabilitation), Mexico City, Mexico, June 2-6, 2014.

Ysunza PA. Tailor made surgical management of velopharyngeal insufficiency. International Congress of Speech and Language Pathology. Instituto Nacional de Rehabilitacion (National Institute of Rehabilitation), Mexico City, Mexico, June 2-6, 2014.

Ysunza PA. The role of electromyography of laryngeal and pharyngeal muscles for the diagnosis and management of voice and resonance disorders. International Congress of Speech and Language Pathology. Instituto Nacional de Rehabilitacion (National Institute of Rehabilitation), Mexico City, Mexico, June 2-6, 2014.
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.


Ysunza PA. Workshop: Tailor-made flaps according to findings of multiplanar videofluoroscopy and intraoperative videonasopharyngoscopy. International Congress of Cleft Lip and Palate and Craniofacial Anomalies, Veracruz, Mexico, October 8-12, 2014.


Collaborative Efforts:


Peer-Reviewed Articles:


Obstetrical / Gynecological Services

Book Chapter or Full Book Publications:


Abstracts/Posters:


Obstetrical / Gynecological Services

Abstracts/Posters: continued


Collaborative Efforts:


Obstetrical / Gynecological Services

Collaborative Efforts: continued


**Obstetrical / Gynecological Services**

**Collaborative Efforts:** continued


Peer-Reviewed Articles:


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

**Granadier RJ.** Idiopathic intracranial hypertension, important questions answered with more to come. JAMA Neurology, published online April 21, 2014.


**DiLorenzo AL.** Basic and clinical science course (BCSC) section 01 2013-2014 Edition: Update on General Medicine; Chapter 1: Rheumatic Disorders.

**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.

**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:**


Ophthalmology

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


ORTHOPAEDIC SURGERY

Peer-Reviewed Articles:


Orthopaedic Surgery

Peer-Reviewed Articles: continued


Orthopaedic Surgery

Peer-Reviewed Articles: continued


Book Chapter or Full Book Publications:


Abstracts/Posters:


Orthopaedic Surgery

Abstracts/Posters: continued


Research Presentations:


Carpenter S, Planalp M, Luczak S, Koueiter DM, Grant K, Sadowski S. Early weight bearing as tolerated following open reduction internal fixation of ankle fractures. 32nd Annual Meeting of the Mid-America Orthopaedic Association, San Antonio, TX, April 23-27, 2014.


Orthopaedic Surgery

Research Presentations: continued


Collaborative Efforts:

Orthopaedic Surgery

Collaborative Efforts: continued


Website Contributions, Video Clips, or other Multi-Media Contributions:


Other Publications (non peer-reviewed):


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.


PATHOLOGY and LABORATORY MEDICINE

Peer-Reviewed Articles:


Pathology and Laboratory Medicine

Abstracts/Posters:


Boyanton Jr BL, Robinson-Dunn, BE. The revolution in clinical microbiology is now! Medical Grand Rounds, Beaumont Health System, Royal Oak, MI, November 5, 2014.


Doyle KE, Huang JZ, Soto R. Using technology for content, engagement, projects and research. 3rd Annual William M. Davidson Medical Education Week, Oakland University William Beaumont School of Medicine, Royal Oak, MI, May 19-21, 2014.


Pathology and Laboratory Medicine

Abstracts/Posters: continued


Xie M, Huang JZ, Chen X, Wey E, Micale M. Triple-hit expression of MYC, Bcl2 and Bcl6 in a primary bone marrow large b cell lymphoma, American Society for Clinical Pathology (ASCP) annual meeting, Tampa, FL, October 8-10, 2014.


**PEDIATRIC SERVICES**

**Peer-Reviewed Articles:**


**Fatima A,** Gibson D. Pneumatosis intestinalis associated with Henoch-Schönlein Purpura. Pediatrics 2014; 134;e880.


**Book Chapters or Full Book Publications:**

Pediatric Services

**Book Chapters or Full Book Publications: continued**


**Abstracts/Posters:**

Albashiti B, Fatima A. Resolution of eosinophilic esophagitis symptoms in four siblings with similar treatment pediatric. Academic Societies Annual Meeting (PAS), Vancouver, Canada, May 3-6, 2014.


Doherty A, Maisels MJ, Kring EA, Posey Y. Defining normal glucose-6-phosphate dehydrogenase activity (G6PDA) levels in white newborns, Pediatric Academic Societies Annual Meeting (PAS), Vancouver Canada, May 3-6, 2014.

Pediatric Services

Abstracts/Posters: continued


Wasserman JA, Krug EF. On Art and Science: An epistemic approach to curriculum design for integrating social science and clinical medicine. 8th Annual Conference on Teaching and Learning, Oakland University, Rochester, MI, May 14-15, 2014.

Pediatric Services

Abstracts/Posters: continued


Research Presentations:


Ysunza P. Surgical design of velopharyngeal surgery according to finding of videofluoroscopy and videonasopharyngoscopy. International Congress of Cleft Palate, Veracruz, Mexico, October 2014.

Collaborative Efforts:


Pediatric Services

**Collaborative Efforts:** continued


**Other Publications (non peer-reviewed):**


**PHARMACEUTICAL SERVICES**

**Peer-Reviewed Articles:**


**Abstracts/Posters:**


Pharmaceutical Services

Abstracts/Posters: continued

RADIATION ONCOLOGY

Peer-Reviewed Articles:


Radiation Oncology

Peer-Reviewed Articles: continued


**Radiation Oncology**

**Peer-Reviewed Articles:** continued


Yee S, Gao JH. Effects of spin-lock field direction on the quantitative measurement of spin-lattice relaxation time constant in the rotating frame (T1ρ) in a clinical MRI system. Medical Physics, 2014, 41:122301.
Radiation Oncology

Peer-Reviewed Articles: continued


Book Chapters or Full Book Publications:


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.

Grills IS. TCP modeling of conventional and SBRT NSCLC inclusive of geometric uncertainties with large cohort of patients. Annual European Society for Radiotherapy Oncolog Conference (ESTRO), Vienna, Austria, April 4-8, 2014.
Radiation Oncology

Abstracts/Posters: continued


Sandhu R, Yan D, Ionascu D. Robust characterization and patient experience of a time-resolved ultrasound system for prostate tracking. 56th Annual Meeting and Exhibition of the AAPM, Austin, TX, July 20-24, 2014.
Radiation Oncology

Abstracts/Posters: continued


**Wobb J.** 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.


Radiation Oncology

Abstracts/Posters: continued


Research Presentations:


Radiation Oncology

Research Presentations: continued

Castillo E. Strain-rate imaging from recovered cardiac motion: Challenges and applications. University of Texas Austin, Institute for Computational Engineering and Sciences, Interdisciplinary Center for Economic Science (ICES) Seminar, Austin, TX, November 7, 2014.


Radiation Oncology

Research Presentations: continued


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.


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

Radiation Oncology

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


Wobb J. Nomogram could guide use of radiation in breast cancer.  

Other Publications (non peer-reviewed):


RESEARCH INSTITUTE

RESEARCH ADMINISTRATION
RESEARCH INSTITUTE

Research Administration

Peer-Reviewed Articles:


Loeffler DA, Klaver AC, Coffey M. Aβ anti-idiotypic antibodies are present in intravenous immunoglobulin and are produced in mice following its administration. Autoimmunity. 2014 Nov 13:1-5.


Abstracts/Posters:


Research Administration

Abstracts/Posters: continued


Research Presentations:


Research Administration

Research Presentations: continued


Other Publications (non peer-reviewed):

SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES

CARDIOVASCULAR SURGERY

GENERAL SURGERY

MULTI-ORGAN TRANSPLANT

NEUROSURGERY

OTOLARYNGOLOGY

PEDIATRIC SURGERY

PERIPHERAL VASCULAR SURGERY

PULMONARY and CRITICAL CARE

THORACIC SURGERY

VASCULAR SURGERY
Abstracts/Posters:


Research Presentations:


**Peer-Reviewed Articles:**


**Abstracts/Posters:**

General Surgery

Research Presentations:


General Surgery

Research Presentations: continued


General Surgery

Research Presentations: continued


Abstracts/Posters:

**Peer-Reviewed Articles:**


**Abstracts/Posters:**


Neurosurgery

Abstracts/Posters: (continued)

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


Research Presentations:


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


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


Diaz, FG. Medical Decision Making in Management of Cerebral AVMs. 11th International Conference on Cerebral Vascular Surgery, Jakarta, Indonesia, December 11-14, 2014.

Michael DB. Head injuries: The young, the old and everyone in between. 7th Annual Jeff Schaub Memorial Conference, St. Joseph Mercy Health System, Ann Arbor, MI, April 11, 2014.
Neurosurgery

Research Presentations: (continued)


Collaborative Efforts:

OTOLARYNGOLOGY

Peer-Reviewed Articles:


Otolaryngology

Peer-Reviewed Articles: continued


Svider PF, Vong A, Sheyn A, Bojrab DI 2nd, Hong RS, Eloy JA, Folbe AJ. What are we putting in our ears? A consumer product analysis of aural foreign bodies. Laryngoscope, published online October 5, 2014.

Book Chapter or Full Book Publications:


Otolaryngology

Book Chapter or Full Book Publications: (continued)


Otolaryngology

**Book Chapter or Full Book Publications:** (continued)


**Abstracts/Posters:**


**Research Presentations:**

Otolaryngology

Research Presentations: (continued)


Collaborative Efforts:

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


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

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


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


PLASTIC SURGERY

Peer-Reviewed Articles:


Research Presentations:

Research Presentations:

Research Presentations:


Peer-Reviewed Articles:


Abstracts/Posters:


Research Presentations:


Vascular Surgery

Research Presentations: continued


Collaborative Efforts:


Peer-Reviewed Articles:


**Urology**

**Peer-Reviewed Articles: continued**


**Book Chapters or Full Book Publications:**


Quallich SA, **Lajiness M.** Nursing assessment: Tenal and urinary tract function. Focus on Adult Health: Medical Surgical Nursing. 2nd Edition (pp. 294-330) Philadelphia: Lippincott Williams & Wilkins, 2014.

**Abstracts/Posters:**


Urology

Abstracts/Posters: continued


Research Presentations:


Urology

Research Presentations: continued


**Urology**

**Research Presentations:** continued


Fulton M, Rubenstein R. Primary testicular adenocarcinoma presenting 40 years after partial orchiectomy. 88th Annual North Central Section, American Urological Association, Chicago, IL, September 11, 2014.


Urology

Research Presentations: continued


Peters KM. Advanced neuromodulation for pelvic floor disorders. Nationwide Children’s Hospital, Columbus OH, May 9, 2014.


Urology

Collaborative Efforts:


Urology

Collaborative Efforts: continued


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