Research Institute

Report of Accomplishments

2015

Beaumont HEALTH
For more than 45 years, researchers at Beaumont have helped to bring new technologies, new treatments, and new medications into the practice of medicine, and have helped to move the standard of care forward to improve the safety and quality of medical care for patients locally, nationally, and internationally. The greatest reward from these achievements is the realization that patients’ lives are improved and enriched because of the outstanding research carried out by Beaumont physicians, scientists and staff.

Outstanding biomedical research is a major component of the excellent reputation of Beaumont Health as an academic health system. The Board of Directors at Beaumont made a commitment several decades ago to strengthen Beaumont as an academic institution through growth and support of graduate medical education, the hiring of full time physicians with a history of excellence in research, and committed support of ongoing research activities of key programs. This commitment has helped to forge the reputation of Beaumont Health as a leading academic health system, with recognition by U.S. News and World Report, a distinction which places Beaumont in the forefront of medicine in the U.S.

As Beaumont Health moves forward as the health care affiliate with the Oakland University William Beaumont School of Medicine, our research activities, graduate medical education, and scholarly endeavors are even more important. Our Board of Directors and senior leadership have reaffirmed their commitment to this ongoing academic mission for Beaumont. Strong undergraduate medical education requires faculty committed to research and a broad, excellent program of graduate medical education. The ACGME (Accreditation Council on Graduate Medical Education) is steadily increasing the requirements for excellence in both faculty research achievement and resident/fellow/research training in order to maintain full accreditation for residency and fellowship programs. The Board for Accrediting Level 1 Trauma Center status, presently achieved by Beaumont Royal Oak, now requires productivity of peer-reviewed publications in recognized journals by participating faculty. The LCME (Liaison Committee on Medical Education), the accrediting organization for medical schools in the U.S. and Canada, requires the presence of biomedical research activities that can provide basic, translational and population research opportunities for medical students. The OUWB medical school provides further impetus to enhance biomedical research at both Beaumont and Oakland University, to integrate research activities between the two institutions, and to initiate new programs, centers, and collaborative projects shared by both institutions. Beaumont and Oakland University already have several areas of long standing ongoing research collaboration.

Beaumont research is heavily oriented towards translational research, investigating new treatments, pharmaceuticals, medical devices, and scientific approaches aimed at enhancing the excellence and safety of patient care. Beaumont has a robust program of clinical research, numbering over 1,065 trials with over 9,699 registered research participants. Beaumont’s clinical services are superb, providing the standard upon which new and innovative research is built. The volume of patients served at Beaumont, combined with the excellence of clinical care, provides a striking opportunity to develop new treatments. Moving forward, Beaumont Health and OUWB will build upon existing research strengths in nationally recognized clinical and translational programs, including Cardiovascular Medicine, Radiation Oncology, Urology, Orthopaedics, OB/GYN, Ophthalmology, Emergency Medicine and many others, to establish a new emphasis in population/community health and learning health system initiatives that will focus on improving health and healthcare delivery for our patients and communities.

We are proud to present this Report of Research Accomplishments. It highlights the depth and breadth of Beaumont’s academic excellence, including our affiliation with OUWB. We extend our congratulations and appreciation to the many investigators who have contributed these extraordinary achievements.
Beaumont Health, serving southern Michigan and beyond, recognizes the inherent value of research as a major contributing factor to future improvements in health care delivery and the health of our local and global communities. The Beaumont Research Institute (RI), established by the Board of Trustees in 1966, strengthens Beaumont's ability to conduct medical research and to provide research training for allied health and medical staff and participants in undergraduate and graduate medical education programs.

Beaumont is a major teaching facility, with 41 accredited residency and fellowship programs involving 407 residents and 59 fellows, and 173 research staff, including 52 research nurses.

**Funding**

2016 Research Institute Operations $37.3M

**External Sources of Research Funding**

(2015 data)

- Commercial sponsors 29%
- Federal sponsors 25%
- Philanthropic sponsors 13%
- Intellectual Property 33%

**Types of Research at Beaumont Health**

(2015 percentage of revenue)

- Clinical Research 54%
- Pre-clinical Research 46%

**External Research Funding by Service Line**

(2015 data)

- Cardiology 7%
- Emergency 5%
- Hematology/Oncology 8%
- Infectious Disease 4%
- Orthopedics Bench 1%
- Radiation Oncology 28%
- Surgical Clinical Trials & Lab 4%
- Urology 16%
- Other (Various) 27%

**Clinical Studies/Investigators/Research Participants**

- 1,065 Clinical studies
- 414 Interventional studies
- 651 Non-interventional studies
- More than 400 active principal investigators
- 9,699 Registered research participants

**Educational Opportunities for Research Staff**

- 2-day orientation for new clinical research staff
- Animal use training
- On-line CITI human subjects protection training
- Online guidance/modules regarding initiating research
- RCR training
- Residents' and Fellows' Research Forum
- Seminar series and workshops
- Tuition reimbursement for clinical research certification exams

**Support Staff Available**

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

**Support for the Research Institute**

- AAALAC accredited animal facility
- AAHRPP accredited human research protection program
- Beaumont Research Coordinating Center for Multicenter Clinical Trials
- BioBank/Erb Family Core Molecular Lab
- Flash CT scanner
- Fully equipped bench laboratories
- National Cancer Institute’s Community Oncology Research Program (NCORP)
- Partnership with OUWB School of Medicine
- PET-CT and Biotracer
<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEAUMONT HOSPITAL – ROYAL OAK, TROY and GROSSE POINTE</td>
<td>8-135</td>
</tr>
<tr>
<td>BEAUMONT HOSPITAL – FARMINGTON HILLS</td>
<td>137-138</td>
</tr>
<tr>
<td>BEAUMONT HOSPITAL – DEARBORN, TAYLOR, TRENTON and WAYNE</td>
<td>140-158</td>
</tr>
<tr>
<td>ANESTHESIOLOGY and PERIOPERATIVE MEDICINE</td>
<td>8</td>
</tr>
<tr>
<td>BIOBANK</td>
<td>9-11</td>
</tr>
<tr>
<td>CARDIOVASCULAR DISEASE</td>
<td>12-18</td>
</tr>
<tr>
<td>COLON and RECTAL SURGERY</td>
<td>19-20</td>
</tr>
<tr>
<td>DIAGNOSTIC RADIOLOGY and MOLECULAR IMAGING</td>
<td>21-29</td>
</tr>
<tr>
<td>EMERGENCY MEDICINE</td>
<td>30-35</td>
</tr>
<tr>
<td>FAMILY MEDICINE</td>
<td>36</td>
</tr>
<tr>
<td>SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE</td>
<td>37-58</td>
</tr>
<tr>
<td>ALLERGY</td>
<td>38</td>
</tr>
<tr>
<td>GASTROENTEROLOGY and HEPATOLOGY</td>
<td>39-41</td>
</tr>
<tr>
<td>GENERAL INTERNAL MEDICINE</td>
<td>42-49</td>
</tr>
<tr>
<td>GERIATRICS</td>
<td>50</td>
</tr>
<tr>
<td>HEMATOLOGY / ONCOLOGY</td>
<td>51-53</td>
</tr>
<tr>
<td>INFECTIOUS DISEASE</td>
<td>54-55</td>
</tr>
<tr>
<td>NEUROLOGY</td>
<td>56-57</td>
</tr>
<tr>
<td>NUTRITION and PREVENTIVE MEDICINE</td>
<td>58</td>
</tr>
<tr>
<td>PHYSICAL MEDICINE and REHABILITATION</td>
<td>59-60</td>
</tr>
<tr>
<td>OBSTETRICAL / GYNECOLOGICAL SERVICES</td>
<td>61</td>
</tr>
<tr>
<td>OPHTHALMOLOGY</td>
<td>62-71</td>
</tr>
<tr>
<td>ORTHOPAEDIC SURGERY</td>
<td>72-77</td>
</tr>
</tbody>
</table>
# TABLE OF CONTENTS

PATHOLOGY and LABORATORY MEDICINE ................................................................. 78-84

PEDIATRIC SERVICES ...............................................................................................85-88

PHARMACEUTICAL SERVICES ...............................................................................89-90

RADIATION ONCOLOGY ....................................................................................91-101

RESEARCH INSTITUTE .......................................................................................102-108

OUTCOMES RESEARCH ...................................................................................103

RESEARCH ADMINISTRATION .......................................................................104-108

SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES .......................................109-122

BREAST CARE CENTER ....................................................................................110

GENERAL SURGERY .........................................................................................111

NEUROSURGERY ............................................................................................112-114

OTOLARYNGOLOGY ........................................................................................115-118

PEDIATRIC SURGERY .........................................................................................119

PLASTIC SURGERY ...........................................................................................120

THORACIC SURGERY ........................................................................................121

VASCULAR SURGERY .........................................................................................122

UROLOGY ........................................................................................................123-135

BEAUMONT HEALTH – FARMINGTON HILLS

OBSTETRICS and GYNECOLOGICAL SERVICES ...............................................137

GENERAL SURGERY .........................................................................................138

BEAUMONT HEALTH – DEARBORN, TAYLOR, TRENTON and WAYNE

ANESTHESIOLOGY and PERIOPERATIVE MEDICINE ....................................140

CARDIOVASCULAR DISEASE .........................................................................141
# TABLE OF CONTENTS

**SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE** ...........................................142-148

- **DERMATOLOGY** ........................................................................................................143
- **GENERAL INTERNAL MEDICINE** ...........................................................................144
- **GERIATRICS** .............................................................................................................145
- **HEMATOLOGY / ONCOLOGY** ..................................................................................146
- **INFECTIOUS DISEASES** ..........................................................................................147
- **PALLIATIVE MEDICINE** ..........................................................................................148

**PHYSICAL MEDICINE and REHABILITATION** .....................................................149-150

**OBSTETRICAL / GYNECOLOGICAL SERVICES** .....................................................151

**PHARMACEUTICAL SERVICES** ................................................................................152

**RADIATION ONCOLOGY** .......................................................................................153

**SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES** .................................154-158

- **CARDIOVASCULAR SURGERY** .............................................................................155
- **GENERAL SURGERY** ..............................................................................................156
- **ORTHOPAEDIC SURGERY** ....................................................................................157
- **PODIATRIC SURGERY** ............................................................................................158

**Note**: * Indicates the author(s) was not Beaumont staff at the time of publication, or was a Beaumont employee at the time of the publication but has since left Beaumont.
BEAUMONT HOSPITAL
Royal Oak, Troy, Grosse Pointe
**ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE**

**Peer-Reviewed Articles:**


**Invited Research Presentations:**


**Peer-Reviewed Articles:**


BioBank

Abstracts with Associated Research Presentations:


Invited Research Presentations:


Peer-Reviewed Articles:


Bilolikar AN, Goldstein JA, Madder RD, Chinnaiyan KM. Plaque disruption by coronary computed tomographic angiography in stable patients vs. acute coronary syndrome. EurHeart J Cardiovasc Imaging, published online November 9, 2015.


Cardiovascular Disease

Peer-Reviewed Articles: continued


Cardiovascular Disease

**Peer-Reviewed Articles**: continued


**Book Chapter or Full Book Publications:**


Cardiovascular Disease

Book Chapter or Full Book Publications: continued


Cardiovascular Disease

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


**Abstracts with Associated Research Presentations:**


**Invited Research Presentations:**


**Franklin BA.** Cardiac rehabilitation: Forecasting the future. 17th Annual Cardiovascular Institute of North Colorado Conference, Loveland, CO, February 10, 2015.
Cardiovascular Disease

Invited Research Presentations: continued

Franklin BA. Recent advances in preventive cardiology and lifestyle medicine. Providence Hospital and Medical Centers Cardiology Grand Rounds, Southfield, MI, February 12, 2015. American Heart Association Midwest Affiliate, ITC Holdings, Novi, MI, February 19, 2015.


Franklin BA. Is a medical examination more urgent for physical activity or inactivity? 62nd Annual Meeting of the American College of Sports Medicine, San Diego, CA, May 26-30, 2015.


Franklin BA. Recent advances in preventive cardiology. Online platform for doctor’s learning. Video conference shown to physicians throughout India, September 27, 2015.

Franklin BA. Moving from our reactive sick care model to proactive healthcare. Noll Seminar and Colloquium, Pennsylvania State University, State College, University Park, PA, October 1-2, 2015.

Cardiovascular Disease

**Invited Research Presentations:** continued


Franklin BA. Cardiorespiratory fitness, physical activity, and cardiovascular health: Clarifying the risk protection paradox. 42nd Annual Willimsburg Conference on Heart Disease, Williamsburg, VA, December 6-8, 2015.

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

Abstracts with Associated Research Presentations:


Invited Research Presentations:


Honaker M, **Ziegler M, Shuell C, Gates E, Pelton J, Barkel D, Wasvary H.** Packed red blood cell transfusions are associated with increased post-operative surgical infections. The American College of Surgeons National Surgical Care Improvement Project National Meeting, Chicago, IL, July 26, 2015.


Honaker M, Edwards C, **Wasvary H.** A multidisciplinary tumor clinic results in improved five year, overall, and disease-free survival in patients with stage III colorectal cancer. 45th Annual Residents’ and Fellows’ Research Forum, Beaumont Health Royal Oak, MI, June 2, 2015.


Colon and Rectal Surgery

Invited Research Presentations: continued

Wasvary H. Lower gastrointestinal motility. Oakland University William Beaumont School of Medicine, Rochester, MI, September 18, 2015.


DIAGNOSTIC RADIOLOGY and MOLECULAR IMAGING

Peer-Reviewed Articles:


Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued


Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued


Chehab M, Antypas E, Juncaj M, Wong O, Bischoff M. Efficacy, safety and clinical outcomes of incompetent perforator vein ablation using 1470nm bare tip fiber. Society of Interventional Radiology (SIR) Annual Scientific Meeting, Atlanta, GA; February 28-March 5, 2015.


Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued


Goncalves LF, Lee W, Mody S, Shetty AN, Sangi-Haghpeykar H, Romero R. Diagnostic accuracy of ultrasonography and magnetic resonance imaging for the detection of fetal anomalies: A blinded case-control study. 25\textsuperscript{th} World Congress of Ultrasound in Obstetrics and Gynecology (ISUOG), Montreal, Canada, October 11-14, 2015.


Huang J, Misra L, Young M, VanHulle R. Putting the pieces together: A curriculum designed to integrate the imaging and laboratory findings of a symptomatic patient. Oakland University William Beaumont (OUWB) Medical Education Week, Royal Oak, MI, May 18-20, 2015.


Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued


**Muhleman M, Al-Faham Z, Wu D.** Coexisting metastatic Hurthle cell thyroid cancer and lung cancer with markedly different metabolic activities on FDG/PET/CT. International Thyroid Congress (ITC) 15th Annual Meeting, Lake Buena Vista, FL, October 18-23, 2015.


Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued


**Xie L, Wu D.** Series FDG PET/CTs predict dedifferentiation of recurrent papillary thyroid carcinoma. International Thyroid Congress (ITC) 15th Annual Meeting, Lake Buena Vista, FL, October 18-23, 2015.


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

Peer-Reviewed Articles:


Sawyer KN, Kurz MC. Assessing cardiac arrest beyond hospital discharge: We are only as "good" as the outcomes we measure. Resuscitation. 2015 Sep;94:A1-2.

Sawyer KN, Kurz MC. If there is a "time to target temperature paradox" in post-cardiac arrest care, would we know? Resuscitation. 2015 Mar;88:A3-4.
Emergency Medicine

Peer-Reviewed Articles: continued


Abstracts with Associated Research Presentations:


Emergency Medicine

Abstracts with Associated Research Presentations:


Emergency Medicine

Abstracts with Associated Research Presentations:


Emergency Medicine

Non Peer-Reviewed Publications:


FAMILY MEDICINE

Peer-Reviewed Articles:


Invited Research Presentations:


Van Dyke A, Klien E, Misch P, Zimann L. Impact of clinical pharmacist and health psychologist on integrated team based care: Transforming the system and patient care experience to a higher level. Collaborative Family health Care Association, Portland, OR, October 15-17, 2015.


SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE

ALLERGY
GASTROENTEROLOGY and HEPATOLOGY
GENERAL INTERNAL MEDICINE
GERIATRICS
HEMATOLOGY / ONCOLOGY
INFECTIOUS DISEASES
NEUROLOGY
NUTRITION and PREVENTIVE MEDICINE
ALLERGY

Peer-Reviewed Articles:


Abstracts with Associated Research Presentations:


GASTROENTEROLOGY and HEPATOLOGY

Peer-Reviewed Articles:


Cappell MS. Case report of working with an institutional review board to approve a study on a particularly sensitive topic in a particularly vulnerable population: Investigator negotiation and compromise is the best strategy. Gastroenterol Nurs. 2015 Jan-Feb;38(1):62-63.

Cappell MS. List predatory publications separately from genuine scholarly publications as standard for CVs. BMJ. 2015 May 14;350:h2470.


Gastroenterology and Hepatology

Peer-Reviewed Articles: continued


Sharma N, Cappell MS. Gastrointestinal and hepatic manifestations of Ebola virus infection. Dig Dis Sci. 2015 Sep;60(9):2590-603.


Abstracts with Associated Research Presentations:


Gastroenterology and Hepatology

Abstracts with Associated Research Presentations:


GENERAL INTERNAL MEDICINE

Peer-Reviewed Articles:


**Gjeorgjievski M, Amin M, Cappell M. Characteristic clinical features of Aspergillus appendicitis: Case report and literature review. World of J Gastroenterol. 2015 Nov 28;21(44):12713-21.**


**Kazanji N, *Al Assad W, Gjeorgjievski M, Thalla R. Extreme hypernatremia (254 mmol/L) and electrocardiogram findings. International Urology and Nephrology, published online April 11, 2015.**


Abstracts with Associated Research Presentations:


Abstracts with Associated Research Presentations: continued


General Internal Medicine

Abstracts with Associated Research Presentations: continued


General Internal Medicine

Abstracts with Associated Research Presentations: continued


Khaddam S. Lymphoma transforming into a higher grade and presenting as an anterior and posterior hypopituitarism. American College of Physicians (ACP) Resident’s Day Meeting, Troy, MI, May 22, 2015.


Khoury Abdulla R. When esophagogastroduodenoscopy (EGD) is not the right thing to do. American College of Gastroenterology (ACG) 80th Annual Scientific Meeting, Honolulu, HI, October 16-21, 2015.
**General Internal Medicine**

**Abstracts with Associated Research Presentations:** continued


**Lohani S, Kazanji N, Kazanji B, Chen C, Yadav S.** Comparisons of outcomes between patients with neutropenic fever secondary to chemotherapy and patients with neutropenic fever due to other etiologies. American Medical Association Research Symposium, Orlando, FL, November 13, 2015.


**Mertens A.** A (VF) storm is coming: Differentiating between brugada syndrome and brugada pattern. American College of Physicians (ACP) Resident’s Day Meeting, Troy, MI, May 22, 2015.
**General Internal Medicine**

**Abstracts with Associated Research Presentations:** continued


**Nasr J.** Prospective assessment of the integration of evidence based medicine (EBM) into an Internal Medicine residency program. 45th Annual Residents’ and Fellows’ Beaumont Health Research Forum, Royal Oak, MI, June 2, 2015. **Awarded 1st Place Tie Winner in Medical Education Research.**


**General Internal Medicine**

**Abstracts with Associated Research Presentations:** continued

**Singh D,** Sage R, Cappell, M, Amin M. Isolated GI Aspergillosis presenting as dysphagia from an esophageal ulcer in an immunocompetent host. American College of Gastroenterology (ACG) 80th Annual Scientific Meeting, Honolulu, HI, October 16-21, 2015.


**Sultan R.** Pain out of proportion to exam: Consider necrotizing fasciitis! American College of Physicians (ACP) Resident’s Day Meeting, Troy, MI, May 22, 2015.


General Internal Medicine

Abstracts with Associated Research Presentations: continued

**Peer-Reviewed Articles:**


**Invited Research Presentations:**

Khaled I. Successful aging. Oak Park Community Center, Oak Park, MI, October 2015.
**Peer-Reviewed Articles:**


Hematology / Oncology

Book Chapter or Full Book Publications:

Abstracts with Associated Research Presentations:


Hematology / Oncology

Abstracts with Associated Research Presentations:


**INFECTIOUS DISEASES**

**Peer-Reviewed Articles:**


**Book Chapter or Full Book Publications:**


**Abstracts with Associated Research Presentations:**

Infectious Diseases

Abstracts with Associated Research Presentations: (continued)


Kazanji N, Sadichhya L, Qu L, Boyanton BL Jr, Carpenter CF. Epidemiology, risk factors, and outcomes of non-influenza versus influenza respiratory viruses. Infectious Diseases Society of America Annual Meeting, San Diego, CA, October 7-11, 2015.


NEUROLOGY

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Abstracts with Associated Research Presentations:

Neurology

Abstracts with Associated Research Presentations: continued


Invited Research Presentations:


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


NUTRITION and PREVENTIVE MEDICINE

Book Chapter or Full Book Publications:


Abstracts with Associated Research Presentations:


Invited Research Presentations:

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Abstracts with Associated Research Presentations:


Physical Medicine and Rehabilitation

Abstracts with Associated Research Presentations: (continued)

Ysunza A. Anatomy and physiology of the secondary palate in patients with cleft palate. International Symposium of Cleft Palate and Craniofacial Anomalies. Vina del Mar, Chile, South America, October 7-12, 2015.


Ysunza A. Speech pathology treatment in patients with cleft palate following velopharyngeal surgery. International Symposium of Cleft Palate and Craniofacial Anomalies. Vina del Mar, Chile, South America, October 7-12, 2015.


Non Peer-Reviewed Publications:

OBSTETRICAL / GYNECOLOGICAL SERVICES

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Abstracts with Associated Research Presentations:

Goncalves LF, Lee W, Mody S, Shetty AN, Sangi-Haghpeykar H, Romero R. Diagnostic accuracy of ultrasonography and magnetic resonance imaging for the detection of fetal anomalies: A blinded case-control study. 25th World Congress of Ultrasound in Obstetrics and Gynecology, Montreal, Canada, October 11-14, 2015.
OPHTHALMOLOGY

Peer-Reviewed Articles:


**Ophthalmology**

**Peer-Reviewed Articles:** continued


**Garretson BR, Hassan TS.** Dexamethasone intravitreal implant as adjunctive therapy to ranibizumab in neovascular age-related macular degeneration: A multicenter randomized controlled trial. Ophthalmologica. 2015;234(1):40-54.

**Garretson BR.** Subretinal hyperreflective material in the comparison of age-related macular degeneration treatments trials. Ophthalmology. 2015 Sep;122(9):1846-53.e5.


**Hassan TS, Trese MT.** Outcomes of eyes with lesions composed of >50% blood in the comparison of age-related macular degeneration treatments trials (CATT). Ophthalmology. 2015 Feb;122(2):391-8.


**Hassan TS.** Incidence, risk factors, and timing of elevated intraocular pressure after intravitreal triamcinolone acetonide injection for macular edema secondary to retinal vein occlusion. JAMA Ophthalmol. 2015 Sep;133(9):1022-9.

**Hassan TS.** Subretinal hyperreflective material in the comparison of age-related macular degeneration treatments trials. Ophthalmology. 2015 Sep;122(9):1846-53.


**Ophthalmology**

**Peer-Reviewed Articles: continued**


Ophthalmology

Peer-Reviewed Articles: continued


Trese MT. Subretinal hyperreflective material in the comparison of age-related macular degeneration treatment trials. Ophthalmology. 2015 Sep;122(9):1846-53.


Wolfe JD, *Shah AR, Yonekawa Y, Faran AA, Franklin MS, *Abbey AM, et al, [Capone A Jr]. Receiver operating characteristic curve analysis to predict eyes with macular edema from retinal vein occlusions that will be resistant to anti-VEGF treatment, but will respond to intravitreal dexamethasone implant. Eur J Ophthalmol, published online October 1, 2015.


Ophthalmology

Peer-Reviewed Articles: continued


Book Chapter or Full Book Publications:


Abstracts with Associated Research Presentations:


Ophthalmology

Abstracts with Associated Research Presentations: continued


Ophthalmology

Abstracts with Associated Research Presentations: continued


Invited Research Presentations:


Drenser KA. Member of telemedicine panel. Michigan Society of Eye Physicians and Surgeons (MiSEPS) 47th Annual Meeting, Mackinac Island, MI, August 6-8, 2015.


Faia LJ. Prevalence of macular holes in AMD. 31st Congress of the Pan-American Association of Ophthalmology Meeting, Bogota, Colombia, August 4-8, 2015.


Hassan T. Is there still a role for vitrectomy for diabetic macular edema? 40th Congress of the Brazilian Retina and Vitreous Society. Florianopolis, Brazil, April 18-20, 2015.

Hassan T. The management of diabetic macular edema in the age of so many options. 40th Congress of the Brazilian Retina and Vitreous Society, Florianopolis, Brazil, April 18-20, 2015.

Ophthalmology

Invited Research Presentations: continued


Hassan T. A controlled comparison of the dexamethasone implant vs. intravitreal anti-VEGF injections for diabetic macular edema. 18th Annual Club Vit Meeting, Southampton, Bermuda, August 9-13, 2015.

Hassan T. Where does vitrectomy fit in our treatment paradigm for diabetic macular edema when we have so many injections? Advanced Vitreous Surgery Course, Tokyo, Japan, October 3-4, 2015.

Hassan T. Comparing modes of intravitreal steroid delivery at the time of vitrectomy for epiretinal membrane. Advanced Vitreous Surgery Course in Tokyo, Tokyo, Japan, October 3-4, 2015.


Ruby A. Practice metrics in a busy retina practice. American Society of Retina Specialists (ASRS) Practice Management Meeting, Dallas, TX, April 2015.


Trese MT. Peripheral retinal vascular findings in adults and children angiogenesis, exudation, and degeneration. Bascom Palmer Eye Institute Symposium, Miami, FL, February 2015.
Ophthalmology

Invited Research Presentations: continued


Trese MT. Retinopathy of prematurity management in 21st century. Pediatric Retinal Disease Current and Future Treatments, USC Eye Institute, University of Southern California, Pasadena, CA, October, 2015.


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


Hart J. AAO Film Festival. Annual Meeting in Las Vegas, NV. November 14-17, 2015.


**ORTHOPAEDIC SURGERY**

**Peer-Reviewed Articles:**


Orthopaedic Surgery

Peer-Reviewed Articles: continued


Orthopaedic Surgery

Peer-Reviewed Articles: continued


Book Chapter or Full Book Publications:

Orthopaedic Surgery

Book Chapter or Full Book Publications: continued


Abstracts with Associated Research Presentations:


Baker KC, Park DK. Chemokine-directed homing of peripheral blood mobilized stem cells to enhance cervical spine fusion. 43rd Annual Meeting of the Cervical Spine Research Society, San Diego, CA, December 3-5, 2015.


Abstracts with Associated Research Presentations: continued


Orthopaedic Surgery

Abstracts with Associated Research Presentations: continued


Invited Research Presentations:


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

**PATHOLOGY and LABORATORY MEDICINE**

**Peer-Reviewed Articles:**


Pathology and Laboratory Medicine

Peer-Reviewed Articles: continued


Abstracts with Associated Research Presentations:


Pathology and Laboratory Medicine

Abstracts with Associated Research Presentations:

Gjeorgjievski M, Mogrovejo E, Cappell MC, Amin MB. Systemic aL-amyloidosis initially presenting as an isolated gastroesophageal junction amyloidosis. American College of Gastroenterology Annual Convention, Honolulu, HI, October 18, 2015.


Huang JZ, Young MR, Misra L, VanHulle R. Putting the pieces together: A curriculum designed to integrate the imaging and laboratory findings of a symptomatic patient. Association of American Medical Colleges (AAMC) CGSA/CGEA Joint Regional Meeting, Columbus, OH, April 9-12, 2015.

Huang JZ. Assessment of 4th year medical student’s competency in diagnostic workup for anemia and lymphadenopathy prior to diagnostic medicine clerkship. Oakland University William Beaumont School of Medicine’s 4th Annual William Davidson Medical Education Week, Birmingham, MI, May 18-20, 2015.

Huang JZ. Mandatory pathology rotation within diagnostic medicine clerkship for all medical students. Oakland University William Beaumont School of Medicine’s Experience. Association of Pathology Chairs Annual Meeting, San Diego, CA, July 14-17, 2015.


Kumar T, Li W. Bile related reactive gastropathy is associated with increased risk of Barrett’s esophagus. College of American Pathologists (CAP) Annual Meeting, Nashville, TN, October 4-8, 2015.
**Pathology and Laboratory Medicine**

**Abstracts with Associated Research Presentations: continued**


Parikh S, Qu ZH, Zhang PL. CD133 is a specific marker differentiating in-situ and invasive carcinoma of colon from reactive colonic epithelial changes. American Society for Clinical Pathology Annual Meeting, Long Beach, CA, October 28-30, 2015.

**Robinson-Dunn BE, Boyanton BL Jr.** The revolution in clinical microbiology is now! Grand Rounds, Beaumont Children’s Hospital, Royal Oak, MI, March 17, 2015.


Singh D, Sage R, Cappell MS, Amin MB. Case report of resolution of isolated, aspergillus colonization in a deep esophageal ulcer in an immunocompetent patient with ulcer healing without specific antifungal therapy. American College of Gastroenterology Annual Convention, Honolulu, HI, October 18, 2015.
Abstracts with Associated Research Presentations: continued


Invited Research Presentations:

Eskandari M, Barden S, Simkowski KW, Posey YF, Sykes E. Evaluation of the Alere determine™ HIV 1/2 Ag/Ab combo kit for the rapid determination of antibody/antigen status in STAT specimens in a busy metropolitan hospital setting. 45th Annual Residents’ and Fellows’ Beaumont Health Research Forum, Royal Oak, MI, June 2, 2015.


Micale M. Characterizing complex rearrangements in pediatric ALL and AML using FISH and SNP array. Children’s Oncology Group Cytogenetics Workshop, St. Louis, MO, April 24-25, 2015.


Pathology and Laboratory Medicine

Invited Research Presentations: continued


**Yu L.** Cutaneous lymphoma and mimics. Adicon Pathology Summit, Hangzhou, China, October 16, 2015.

**Zhang PL.** KIM-1 morphologic expression in human kidneys. Brigham and Women’s Hospital, Harvard Institutes of Medicine, Boston, MA, March 23, 2015.
**PEDIATRIC SERVICES**

**Peer-Reviewed Articles:**


**Arndt DH,** Goodkin HP, Giza CC. Early posttraumatic seizures in the pediatric population. J. Child Neurol, published online January 6, 2015.


Freij JB, **Freij BJ.** The earliest account of human cryptococcosis (Busse-Buschke disease) in a woman with chronic osteomyelitis of the tibia. Pediatr Infect Dis. 2015 Nov;34(11):1278.


**Maisels MJ,** Ward J Sr. Phototherapy and jaundice: A unique human and photochemical interaction. J. Perinatol. 2015 Sept. 35 (9) 671-675,

**Maisels MJ,** Coffey MP, **Kring EA.** Transcutaneous bilirubin levels in newborns less than 35 weeks' gestation. J Perinatol. 2015 Sept;35(9).

Mukthapuram S, Dewar D, **Maisels MJ.** Extreme hyperbilirubinemia and G6PD deficiency with no laboratory evidence of hemolysis. Clin Pediatr, published online October 9, 2015.

Pediatric Services

Peer-Review Articles: continued


Book Chapters or Full Book Publications:


Abstracts with Associated Research Presentations:


Pediatric Services

Abstracts with Associated Research Presentations: continued


Invited Research Presentations:


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


Pediatric Services

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


Surhigh J. Managing type 1 diabetes in the school setting. Type 1 diabetes video created for use in schools, 2015. http://www.beaumont.edu/type1
**PHARMACEUTICAL SERVICES**

**Peer-Reviewed Articles:**


**Abstracts with Associated Research Presentations:**


Pharmaceutical Services

Invited Research Presentations:


RADIATION ONCOLOGY

Peer-Reviewed Articles:


Radiation Oncology

Peer-Reviewed Articles: continued


Radiation Oncology

Peer-Reviewed Articles: continued


**Radiation Oncology**

**Peer-Reviewed Articles:** continued


Radiation Oncology

Book Chapter or Full Book Publications:


Abstracts with Associated Research Presentations:


Chen S, Qin A, Quan H, Yan D. Using magnetic resonance image alone in treatment planning and localization. World Congress on Medical Phys & Biomedical Engineering, Toronto, Canada, June 7-12, 2015.


Grills IS. Predictors and patterns of regional recurrence following lung SBRT. 3rd European Society for Therapeutic Radiology and Oncology (ESTRO) Forum, Barcelona, Spain, April 24-28, 2015. Nominated for the ESTRO Best Poster Award in the “Clinical” category.

Radiation Oncology

Abstracts with Associated Research Presentations: continued


Radiation Oncology

Invited Research Presentations:

**Blas K.** A matched comparison of high-risk prostate cancer patients treated with dose-escalated, image-guided external beam radiotherapy vs. pelvic external beam radiotherapy plus high dose rate brachytherapy boost. 57th Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Antonio, TX, October 18-21, 2015.

**Castillo E.** Medical image analysis based on deformable image registration. Oakland University, Department of Computer Science and Engineering, Colloquium, Rochester, MI, October 2015.

**Castillo E.** Assessing the sensitivity of CT ventilation using volume constrained deformable image registration. University of Colorado, Denver, CO, August 2015.

**Castillo E.** Inverse optimization for correlating 4DCT ventilation imaging and radiation dose. Southwest Regional Chapter of American Association of Physicists in Medicine (SWAAPM) Annual Meeting, Galveston, TX, April 2015.

**Chen P.** Stereotactic radiosurgery for functional CNS disorders, Moderator. 57th Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Antonio, TX, October 18-21, 2015.


**Chinnaiyan P.** The metabolomics underpinnings of glioblastoma tumorigenesis. American Association of Cancer Research (AACR), Radiation Oncology Think Tank, Fort Myers, FL, January 12, 2015.


**Hauck C.** Increasing fractional doses increases the probability of benign PSA bounce in patients undergoing definitive HDR brachytherapy for prostate cancer. 57th Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Antonio, TX, October 18-21, 2015.

**Kane J, Madlambayan G.** Stem cells and cancer. Oakland University-William Beaumont Institute for Stem Cell and Regenerative Medicine (ISCRM) Meeting, Oakland University, Rochester, MI, April 21, 2015.

**Klement R, Grills IS, Belderbos J.** Sonke JJ, Mantel F, Hope A, et al. Can we select stage I NSCLC patients at high risk for early death prior to SBRT treatment? European Society for Therapeutic Radiology and Oncology (ESTRO 35), Barcelona, Spain, April 24-28, 2015.

**Krauss D MD.** High-risk prostate: Nodes, hormonal and systemic therapies. 57th Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Antonio, TX, October 18-21, 2015.
Radiation Oncology

Invited Research Presentations: continued


Wilson GD. The continuing development of predictive assays in radiotherapy. 2nd Central European Symposium on Radiation Oncology (CESORO-2), Krakow, Poland, May 8-9, 2015.

Radiation Oncology

**Invited Research Presentations:** continued

**Wilson GD.** The challenges of combining radiation with targeted agents. 57th Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Antonio, TX, October 18-21, 2015.


**Yan D.** Adaptive radiotherapy: What we may expect from it. AAPM/SEFM Symposia on Adaptive Radiotherapy, Valencia, Spain, June 22-25, 2015.


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


**Non Peer-Reviewed Publications:**

RESEARCH INSTITUTE

OUTCOMES RESEARCH

RESEARCH ADMINISTRATION
Outcomes Research

Peer-Reviewed Articles:


Abstracts with Associated Research Presentations:


Peer-Reviewed Articles:


Bartley JM, Sirls LT, Killinger KA, Boura JA. Secondary surgery after vaginal prolapse repair with mesh is more common for stress incontinence and voiding dysfunction than for mesh problems or prolapse recurrence. Int Urol Nephrol. 2015;47:609-615.


Gilleran JP, Killinger KA, Boura JA, Peters KM. Number of active electrodes at time of staged tined lead InterStim implant does not impact clinical outcomes. Neurourol Urodyn, published online April 6, 2015.


Research Administration

Abstracts with Associated Research Presentations:


Research Administration

Abstracts with Associated Research Presentations: continued


SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES

BREAST CARE CENTER
GENERAL SURGERY
NEUROSURGERY
OTOLARYNGOLOGY
PEDIATRIC SURGERY
PLASTIC SURGERY
THORACIC SURGERY
VASCULAR SURGERY
Abstracts with Associated Research Presentations:

Peer-Reviewed Articles:


Abstracts with Associated Research Presentations:

Peer-Reviewed Articles:


Neurosurgery

Peer-Reviewed Articles: continued


Neurosurgery

Abstracts with Associated Research Presentations:


Perez-Cruet MJ. Minimally invasive laminectomy for stenosis: Surgical procedure and long term clinical outcomes. XXII Congreso Mexicano De Cirugia Neurologica, Mazatlan, Mexico, August 2-7, 2015.

Perez-Cruet MJ. Minimally invasive transforaminal lumbar interbody fusion (TLIF): Improving spinal fusion and patient outcomes. XXII Congreso Mexicano De Cirugia Neurologica, Mazatlan, Mexico, August 2-7, 2015.
OTOLARYNGOLOGY

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Otolaryngology

Book Chapter or Full Book Publications: continued


Otolaryngology

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


**Invited Research Presentations:**

**Babu S.** Evaluation of the patient with vertigo. 150th MSMS Annual Scientific Meeting, Troy, MI, October 20, 2015.

**Babu S.** Expanding indications for cochlear implantation. 100 Year Anniversary Henry Ford Health System Jubilee, Detroit, MI, October 10, 2015. MGM Grand Hotel.


**Babu S.** Moderator to otology panel discussion. 31st Annual Michigan Otolaryngological Society Conference, Mackinac Island, MI, July 24, 2015.


**Bojrab DI.** Endaural approach to cholesteatoma surgery. UC Davis Medical Center, Department of Otolaryngology, Sacramento, CA, November 2, 2015.

**Bojrab DI.** Management of temporal Bone Encephaloceles. UC Davis Medical Center, Department of Otolaryngology, Sacramento, CA, November 2, 2015.

**Chan EY.** Is my dizziness coming from my ear? Dizziness and balance treatment healthy hearing week, Novi Senior Center, Novi, MI, October 1, 2015.

**Chan EY.** Interesting and challenging cases. 31st Annual Michigan Otolaryngological Society Conference, Mackinac Island, MI, July 24, 2015.

**Hong RS.** Meniere’s disease. Grand Rounds, Department of Otolaryngology, Wayne State University, Detroit, MI, April 1, 2015.

**Hong RS.** Hearing loss and today’s solutions. Institute of Electrical and Electronics Engineers (IEEE) Southeastern Michigan Section Spring Conference, Dearborn, MI, April 28, 2015.

Otolaryngology

Invited Research Presentations: continued


**Abstracts with Associated Research Presentations:**


Mane G, **Novotny NM**. Opportunities for global health experiences among Michigan medical schools. Global Health Symposium, Detroit, MI, October 2015.


PLASTIC SURGERY

Peer-Reviewed Articles:

THORACIC SURGERY

Abstracts with Associated Research Presentations:

Welsh R. Lung cancer and smoking. Royal Oak Lions Club, Royal Oak, MI, November 9, 2015.

VASCULAR SURGERY

Peer-Reviewed Articles:


Abstracts with Associated Research Presentations:


Non Peer-Reviewed Publications:

Peer-Reviewed Articles:

Arslanturk S, Siadat MR, Ogunnyemi T, Killinger KA, Diokno AC. Analysis of incomplete and inconsistent clinical survey data. Knowl Inf Syst, published online July 8, 2015.


Bartley JM, Sirls LT, Killinger KA, Boura JA. Secondary surgery after vaginal prolapse repair with mesh is more common for stress incontinence and voiding dysfunction than for mesh problems or prolapse recurrence. Int Urol Nephrol. 2015 Apr;47(4):609-15.


Gillerman JP, Killinger KA, Boura JA, Peters KM. Number of active electrodes at time of staged tined lead InterStim implant does not impact clinical outcomes. Neurourol Urodyn, published online April 6, 2015.


Hollander J, Dave C. The developing paradigm of urologic training in the USA. Int Urol Nephrol, published online November 13, 2015.


Chancellor MB. The Underactive bladder. London: Springer, 2015; Chapter 1, Epidemiology and demographics of underactive bladder; p. 1-12.


Chancellor MB. The Underactive bladder. London: Springer, 2015; Chapter 7, Advance technology; p. 155-162.


Urology

Abstracts with Associated Research Presentations: continued


Daniel SE, Carion T Schervish E, Frontera R, Aref AM, Brown CH, et al. Combination external beam and brachytherapy for intermediate to high risk prostate cancer: Comparison of high-dose rate (HDR) and seed (LDR) implant methods. Genitourinary Cancers Symposium, Orlando, FL, February 2015


Abstracts with Associated Research Presentations: continued


Urology

Abstracts with Associated Research Presentations: continued


Urology

Abstracts with Associated Research Presentations: continued


Urology

Abstracts with Associated Research Presentations: continued


Urology

Abstracts with Associated Research Presentations: continued


Invited Research Presentations:

Burks F. Movember Prostate cancer Outcomes Meeting, Cairns, Australia, August 2015.


Chancellor MB. Faculty: Cracking the code of refractory OAB symposium. European Association of Urology, Madrid, Spain, March 2015.


Urology

Invited Research Presentations: continued


Hollander J. Hematuria Lecture for M2 Oakland University Students. Oakland University, Rochester, MI, September 2, 2015.

Hollander J. Examination of male genitalia, rectum and prostate. Oakland University, Rochester, MI, November 4, 2015.


Peters KM. Infections of the urinary tract. Oakland University William Beaumont School of Medicine, Rochester, MI, September 1, 2015.


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

BEAUMONT HOSPITAL
Farmington Hills
Peer-Reviewed Articles:


Invited Research Presentations:


GENERAL SURGERY

Peer-Reviewed Articles:


Invited Research Presentations:


*Langer J. Use of continuous intercostal nerve blockade, using the on-q device, in rib fractures at a community hospital. Annual Clinical Assembly of Osteopathic Surgeons (ACOS), Chicago, IL October 4-7, 2015.


Petzinger C. Laparoscopic paraesophageal hernia reduction with two point Fixation via Ponsky percutaneous endoscopic gastrostomy tube in a 91-year-old patient. Annual Clinical Assembly of Osteopathic Surgeons (ACOS), Chicago, IL October 4-7, 2015.
BEAUMONT HOSPITAL
Dearborn, Taylor, Trenton, Wayne
Peer-Reviewed Articles:


CARDIOVASCULAR DISEASE

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE

DERMATOLOGY
GERIATRICS
GENERAL INTERNAL MEDICINE
HEMATOLOGY / ONCOLOGY
INFECTIOUS DISEASES
PALLIATIVE MEDICINE
DERMATOLOGY

**Peer-Reviewed Articles:**

**Bosley RE, Daveluy S.** A primer to natural hair care practices in black patients. Cutis. 2015 Feb;95(2):78-80,106.


GERIATRICS

Peer-Reviewed Articles:

Linton PJ, Gurney M, Sengstock D, Mentzer Jr RM, Gottlieb RA. This old heart: Cardiac aging and autophagy. J Mol Cell Cardiol. 2015 Jun;83:44-54.


Peer-Reviewed Articles:

Peer-Reviewed Articles:


Peer-Reviewed Articles:


Abstracts with Associated Research Presentations:


Physical Medicine and Rehabilitation

Abstracts with Associated Research Presentations: continued


OBSTETRICAL / GYNECOLOGICAL SERVICES

Peer-Reviewed Articles:


Mariona FG. Are pregnant women's obstetric care preferences contemplated in a provider-dominated maternity care system? BJOG, published online March 6, 2015.


Abstracts with Associated Research Presentations:

Stone NE, Dari G, Diamond L. Clinical outcomes of three different dosing schemes of dabigatran in adults 75 years of age or older: Hospital based cohort study. 50th Annual ASHP Midyear Clinical Meeting and Exhibition, New Orleans, LA, December 6-10, 2015.
Peer-Reviewed Articles:

SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES

CARDIOVASCULAR SURGERY

GENERAL SURGERY

ORTHOPAEDIC SURGERY

PODIATRIC SURGERY
Peer-Reviewed Articles:


ORTHOPAEDIC SURGERY

Peer-Reviewed Articles:


PODIATRIC SURGERY

Peer-Reviewed Articles: