Research Institute

Report of Accomplishments

2012

Beaumont Health System
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 the 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 conspicuous 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 that 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 high 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 formation of a new 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, and have initiated a formal program of small grant support for collaborative studies. These organizations also have formed the Institute for Stem Cell Research and Regenerative Medicine.

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 trials, numbering over 1,103 trials with over 620,293 enrolled participants. Beaumont’s clinical services are superb, providing the standard upon which new and innovative research is built. Beaumont’s volume of patients served, combined with the excellence of clinical care, provides a striking opportunity to develop new treatments.

The Research Institute has built a full service Core Molecular Laboratory (The Erb Family Core Molecular and Genetics Laboratory) with modern technologies in genomics, proteomics, molecular biology, cell sorting, confocal microscopy, and other sophisticated technologies, along with the necessary technical support, in order to provide the research tools for clinical investigators to further their research activities. The Research Institute also has established a BioBank for tissue and serum collection, storage, and analysis, available for clinical translational research across the entire Beaumont academic spectrum. The initial emphasis of the Core Molecular Laboratory and the BioBank is research on molecular biomarker discovery, particularly related to early detection of disease, disease risk, and the selection of appropriate therapies. The Research Institute also has
strengthened grant writing support, assistance with identifying sources of funding and grant opportunities, and other support services, with a renewed emphasis on a commitment to helping Beaumont physicians carry out excellent research. 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 that reflect 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. Thus, 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.

David L. Felten, M.D., Ph.D.
Vice President, Research
Medical Director, Research Institute
Beaumont Health System
Associate Dean for Research
Oakland University William Beaumont School of Medicine
Beaumont Health System, with three hospitals in the northern Detroit suburbs 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 37 accredited residency and fellowship programs involving 456 residents and fellows, and 205 research staff, including 64 research nurses.

Funding
2013 Research Institute Operations $33.3M

External sources of research funding
(based on 2012 data)
- Commercial sponsors 43%
- Federal sponsors 14%
- Philanthropic sponsors 14%
- Intellectual Property 29%

Types of research at Beaumont Health System
(based on 2012 percentage of revenue)
- Clinical Research 64%
- 3% Phase I
- 28% Phase II Phase based
- 69% Phase III on HIC submission
- Pre-clinical/ Research 36%

External sources of research funding by Research Service Line
(based on 2012 data)
- Surgical Services 49%
  - Radiation Oncology 32%
  - Urology 6%
  - Surgical Clinical Trials & Lab 4%
  - Orthopedics Bench 3%
  - Anesthesia 2%
  - Other Programs (various) 2%
- Medical Services and Other 51%
  - Emergency 10%
  - Hematology/Oncology 9%
  - Cardiology 8%
  - Beaumont Coordinating Center. 7%
  - Infectious Disease 2%
  - Nutrition & Preventive Med 2%
  - Other (Various) 13%

- Clinical Trials/Pis/Research Participants
  - 1,103 open trials
  - 456 active principal investigators
  - 620,293 registered research participants

Educational opportunities for research staff
- 2-day orientation for new research staff
- On-line CITI human subjects protection training program
- Prep courses for clinical research certification exams (SOCRA, ACRP)
- Tuition reimbursement for clinical research certification exams
- Seminar Series and Workshops
- Residents’ and Fellows’ Research Forum
- Biostatistics course
- 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
- Federal Grant Development
- Human Resources
- Institutional Animal Care and Use Committee (IACUC)
- Institutional Review Board (IRB)
- Outcomes Research Group

The scope of support for the Research Institute
Beaumont Health System:
- More than 235,098 Emergency Center visits
- 97,994 Inpatient admissions
- 70 surgical suites
- A Flash CT scanner
- PET-CT and biotracer
- Beaumont Research Coordinating Center for multicenter clinical trials
- Human Research Protection Program fully accredited by AAHRPP
- Automated, robotic clinical laboratories
- Internationally recognized and respected principal investigators
- National Cancer Institute / Community Clinical Oncology Program (CCOP)
- Fully equipped bench laboratories
- State of the art BioBank & Core Molecular Lab
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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.
Peer-Reviewed Articles:


Anesthesiology and Perioperative Medicine

**Book Chapter or Full Book Publications:**


**Oral Presentations - Platform or Symposium:**


**Hartrick CT.** Abuse, misuse, and diversion. 6th World Congress: World Institute of Pain, Miami Beach, FL, January 31, 2012.

**Hartrick CT.** Pharmacology for the medical school. 15th Annual Medical Staff Educational Symposium, Beaumont Hospital Troy, Crystal Mountain, MI, June 30, 2012.

**Hartrick CT.** Evidence-based management of trigeminal neuralgia. 2nd International Conference on Pain Management (ICIPM), All India Institute of Medical Sciences, New Delhi, India, August 24-26, 2012.

**Hartrick CT.** Complications of interventional pain procedures. Symposium. 2nd International Conference on Pain Management, All India Institute of Medical Sciences, New Delhi, India, August 24-26, 2012.

**Hartrick CT.** Genetics, neuroimmunology, and pain: Susceptibility to the development of chronic pain following injury. 2nd International Conference on Pain Management, All India Institute of Medical Sciences, New Delhi, India, August 24-26, 2012.

**Hartrick CT.** Complications of pain interventions. Refresher Course. 2nd International Conference on Pain Management, All India Institute of Medical Sciences, New Delhi, India, August 24-26, 2012.

**Hartrick CT.** Pain pathways and pharmacology. 2nd International Conference on Pain Management, All India Institute of Medical Sciences, New Delhi, India, August 24-26, 2012.

**Hartrick CT.** Evidence-based interventional pain medicine according to clinical diagnosis. 2nd International Conference on Pain Management, All India Institute of Medical Sciences, New Delhi, India, August 24-26, 2012.

Anesthesiology and Perioperative Medicine

Oral Presentations - Platform or Symposium: continued


Poster Presentations/Abstracts:


Other Publications (non peer-reviewed):

**BIOBANK**

**Peer-Reviewed Articles:**


**Book Chapter or Full Book Publications:**


**Oral Presentations - Platform or Symposium:**

**Akervall JA.** Forming a great lakes biobank network. 5th Annual BioBank and Erb Family Core Molecular Laboratories Symposium, Oakland University/Meadow Brook Hall, Rochester, MI, November 9, 2012.


**Geddes T.** The new generation of biorepository sample quality assessment for downstream analyses: The SMART and SPIN metrics. 5th Annual BioBank and Erb Family Core Molecular Laboratories Symposium, Oakland University/Meadow Brook Hall, Rochester, MI, November 9, 2012.
Biobank

**Oral Presentations - Platform or Symposium:** continued


**Pruetz B.** Progressive BioBank. 5th Annual BioBank and Erb Family Core Molecular Laboratories Symposium, Oakland University/Meadow Brook Hall, Rochester, MI, November 9, 2012.


**Thibodeau BJ.** An investigation of copy number variation associated with chemoradiation resistance in head and neck cancer patients. Oakland University-Beaumont Biomedical Research Symposium, Oakland University, Rochester, MI, November 14, 2012.


**Wilson GD.** Beaumont BioBank: Multidisciplinary translational research facility. 2nd Midwest Conference on Stem Cell Biology and Therapy, Oakland University, Rochester, MI, October 6, 2012.
BioBank

Poster Presentations/Abstracts:


BioBank

Poster Presentations/Abstracts: continued


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


CARDIOVASCULAR DISEASE

Peer-Reviewed Articles:


**Cardiovascular Disease**

**Peer-Reviewed Articles:** continued


Jiddou MR, Pica M, Boura J, Qu Lihua, Franklin BA. Incidence of myocardial infarction with shifts to and from daylight savings time. Am J Cardiol, published online December 7, 2012.


Cardiovascular Disease

Peer-Reviewed Articles: continued


Cardiovascular Disease

Peer-Reviewed Articles: continued


Book Chapter or Full Book Publications:

Goldstein JA. Acute right ventricular infarction in cardiology: An Illustrated Text. K Chatterjee (Editor) Jaype Brothers publishers 2012.


Cardiovascular Disease

Book Chapter or Full Book Publications: continued


Oral Presentation – Platform or Symposium:


Chinnaiyan KM. Dedicated CT and triple rule out protocols. 7th Annual Scientific Meeting, Society of Cardiovascular Computed Tomography, Baltimore, MD, July 19-22, 2012.


Chinnaiyan KM. Cardiac CT: Which patients should I scan (appropriate use criteria)? American Society of Nuclear Cardiology (ASNC) 2012 Scientific Sessions, Baltimore, MD, September 6-9, 2012.


Chinnaiyan KM. A weak heart is a weak heart: Who cares about multimodality imaging? Advances in Cardiovascular Non-Invasive Imaging and Interventions, Birmingham, MI, September 14-15 2012.

Cardiovascular Disease

Poster Presentations/Abstracts:


Cardiovascular Disease

Poster Presentations/Abstracts: continued


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


Other Publications (Non-peer reviewed):

COLON and RECTAL SURGERY

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Oral Presentations - Platform or Symposium:


Colon and Rectal Surgery

**Oral Presentations - Platform or Symposium: continued**


Peer-Reviewed Articles:


Boyer AC, Jafri SZ, Jafri SMA, Amin MB. Neuroendocrine carcinoma of the urinary bladder: A retrospective study of CT findings. Abdom Imaging, published online, December 1, 2012.


Book Chapter of Full Book Publications:


Oral Presentations - Platform or Symposium:


Diagnostic Radiology

Oral Presentations - Platform or Symposium: continued


Poster Presentations/Abstracts:


Diagnostic Radiology

Poster Presentations/Abstracts: continued


Chinnaiyan KM, Bilokar A, Walsh E, Wood D, Abbara S, Bis K, et al. Radiation dose reduction with high-pitch scanning: Results from the computed tomography dose reduction using sequential or fast pitch spiral technique employed in cardiothoracic imaging (CT DOSE) trial. RSNA 98th Scientific Assembly, Chicago, IL, November 25-30, 2012.


Jafri SZ, Sokhanson F, Amin MA. GU cases of the day. Indian Radiological and Imaging Association (IRIA), Hyderabad, India, January 28-31, 2012.


Diagnostic Radiology

**Poster Presentations/Abstracts:** continued


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

**Barger R, Marcantonio D.** ACR case in point, case of the day for Friday, March 23, 2012. ACR Case in Point Achieves. Published online March 23, 2012.  
[http://3s.acr.org/cip/CaseView.aspx?Caseld=O2vzjxGg5P0%3d](http://3s.acr.org/cip/CaseView.aspx?Caseld=O2vzjxGg5P0%3d)

[http://www.naccme.com/program/n-343/](http://www.naccme.com/program/n-343/)

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

**Jafri SZ.** Administration of contrast media to pregnant or potentially pregnant patients. ACR Manual on Contrast Media, Chapter 1, 2012 V8. ACR Committee on Drugs and Contrast Media.

**Jafri SZ.** Administration of contrast media to breast-feeding mothers. ACR Manual on Contrast Media, Chapter 2, 2012 V8. ACR Committee on Drugs and Contrast Media.
EMERGENCY MEDICINE

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Oral Presentations - Platform or Symposium:


Emergency Medicine

Oral Presentations - Platform or Symposium: continued

Sawyer KN, Robinson AL, Roberts CS, Kurz MC, Kontos MC. Pre-hospital and emergency department false-positive cardiac catheterization laboratory activation among patients with suspected ST-segment elevation myocardial infarction: What is the cost of doing business? Circulation, 2012;126:A17753


Poster Presentations/Abstracts:


Hopson L, Turner-Lawrence D. Use of the multiple mini interview (MMI) for emergency medicine resident selection: Acceptability to participants and comparison with application data. Society for Academic Emergency Medicine Annual Meeting, Chicago, IL, May 9, 2012.
Emergency Medicine

**Poster Presentations/Abstracts: continued**


Southerland LT, Richardson D, Swor RA, Essenmacher A. Cast problems are the most common reason for return to the emergency department within 72 hours for older adults with newly diagnosed fractures. American College of Emergency Physicians Research Forum, Denver, CO, October 8-9, 2012.

Sawyer KN, Robinson AL, Roberts CS, Kurz MC, Kontos MC. Prevalence and ECG findings for patients with false-positive cardiac catheterization laboratory activation among patients with suspected ST-segment elevation myocardial Infarction. Society for Academic Emergency Medicine, Chicago, IL, May 9, 2012.

**FAMILY MEDICINE**

**Peer-Reviewed Articles:**


**Gabel S, Mulhem E.** How often can PPIs be successfully withdrawn from patients with GERD? Evidence Based Practice 2012; 15 (11): 8-9.


**Oral Presentations - Platform or Symposium:**

**Barkho W.** Participation in an out-patient rehabilitation program can reduce and improve symptoms related to fall or fear of falling in the elderly. 62nd Annual Beaumont Grosse Pointe Research Forum, Grosse Pointe MI, June 21, 2012.


**Lick D, *Baloga M, Peters T.** Teaching practice management: Giving residents the skills needed to be successful in the real world. 45th Annual Conference of the Society of Teachers of Family Medicine, Seattle, WA, April 25-29, 2012.


Family Medicine

Oral Presentations - Platform or Symposium: continued


Poster Presentations/Abstracts:


Lick L. Improving resident and faculty skill and confidence in sideline management of acute injuries. 45th Annual Conference of the Society of Teachers of Family Medicine, Seattle, WA, April 25-29, 2012.


Peer-Reviewed Articles:


Chen N. Next-gen sequencing: Considerations for labs looking to advance MDx practices. ADVANCE for Administrators of the Laboratory, 21(12): 44-6 2012.


Pathology and Laboratory Medicine

Peer-Reviewed Articles: continued


Book Chapter or Full Book Publications:


Oral Presentation - Platform or Symposium:


Amin MB. Pathology of reflux disease. Multidisciplinary Diagnosis and Treatment of Gastroesophageal Reflux Disease, Online CME, William Beaumont Hospital, November 2012.

Malotra RK. Molecular update on merkel cell carcinoma multidisciplinary approach to cutaneous malignancies. 1st Annual Symposium, Birmingham, MI, September 2012.
Pathology and Laboratory Medicine

Oral Presentation - Platform or Symposium: continued


Micale MA. Unlocking the diagnostic potential of genomic medicine: The Beaumont CMA Experience. 21st Annual Symposium, Molecular Pathology: Clinical Applications of Genomic Medicine, Troy, MI, September 19, 2012.


Xie M, Ma H, Crisan D. Thrombocytosis and megakaryocytic proliferation are the early presentations in patients with JAK2 positive myeloproliferative neoplasm at age 50 or younger with clinical follow up. Annual Society Clinical Pathology, Boston, MA, October 31-November 3, 2012.

Poster Presentations/Abstracts:


Pathology and Laboratory Medicine

Poster Presentations/Abstracts: continued


Pathology and Laboratory Medicine

Poster Presentations/Abstracts: continued


Wiesend WN, Kuntzman TJ. Cytohistopathologic follow-up in women with negative liquid-based cervical cytology and positive high risk human papillomavirus DNA: The Beaumont Health System experience. 60th Annual Scientific Meeting of the American Society of Cytopathology’s, Las Vegas, NV, November 2-6, 2012.
Pathology and Laboratory Medicine

Poster Presentations/Abstracts: continued


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

SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE

GASTROENTEROLOGY and HEPATOLOGY
ENDOCRINOLOGY and METABOLISM
GENERAL INTERNAL MEDICINE
GERIATRICS
HEMATOLOGY / ONCOLOGY
COMPREHENSIVE BREAST CARE CENTER
INFECTIOUS DISEASES
NEPHROLOGY
NEUROLOGY
NUTRITION and PREVENTIVE MEDICINE
PALLIATIVE CARE
**Peer-Reviewed Articles:**


**Neumann DA II, Cappell MS, Batke M, Amin M.** Yikes…spikes! Tracheal cartilaginous ring from malignant tracheoesophageal fistula identified at EGD. Gastro Intest Endosc, published online, November 19, 2012.

**Book Chapter or Full Book Publications:**


Peer-Reviewed Articles:


Peer-Reviewed Articles:


Oral Presentations - Platform or Symposium:


Poster Presentations/Abstracts:

**General Internal Medicine**

**Poster Presentations/Abstracts: continued**


Anton O. CNS lymphoma following local therapy of primary vitreoretinal lymphoma. Michigan Chapter Scientific Meeting, Traverse City, MI, October 5-7, 2012.


Daloul R, Lopez Jr L, Marijanovich N. When it hurts to look: Think tolosa-hunt….you will be wrong. Michigan Chapter Scientific Meeting, Traverse City, MI, October 5-7, 2012.


General Internal Medicine

Poster Presentations/Abstracts: continued


Kim E, Verrill T, Davila F. Abnormal abdominal abscess from abroad. Michigan Chapter Scientific Meeting, Traverse City, MI, October 5-7, 2012.


General Internal Medicine

Poster Presentations/Abstracts: continued


**General Internal Medicine**

**Poster Presentations/Abstracts: continued**


**Skrzynski A, Levine Z, Bilal A, Barnes M.** A hole in the heart: How accurate are the various imaging modalities in the diagnosis of aortic dissection and other complications of infective endocarditis? University of Miami Miller School of Medicine and the Cleveland Clinic 7th Annual Perioperative Medicine Summit 2012, Miami, FL, March 15-17, 2012.


**Sule A, Aggarwal A.** Heart attack: Heart in the right place? Michigan Chapter Scientific Meeting, Traverse City, MI, October 5-7, 2012.


**HEMATOLOGY / ONCOLOGY**

**Peer-Reviewed Articles:**


**Platform or Symposium Presentations/Abstracts:**


**Poster Presentations/Abstracts:**


Hematology / Oncology

**Poster Presentations/Abstracts**: continued


COMPREHENSIVE BREAST CARE CENTER

Peer-Reviewed Articles:


Poster Presentations/Abstracts:


INFECTIONOUS DISEASES

Peer-Reviewed Articles:


Lerner AM, Beqaj S. Abortive lytic Epstein-Barr virus replication in tonsil-B lymphocytes in infectious mononucleosis and a subset of the chronic fatigue syndrome. Virus Adaptation and Treatment 2012:4 85-91.


Book Chapter or Full Book Publications:


Oral Presentations - Platform or Symposium:


Szela J. Bad blood documentary film screening. Oakland University William Beaumont School of Medicine, Rochester, MI, November 26, 2012.
Infectious Diseases

**Poster Presentations/Abstracts:**


**Abstracts Published as part of a Proceeding – (No Oral or Poster Presentation):**


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


NEPHROLOGY

Oral Presentations - Platform or Symposium:

Poster Presentations/Abstracts:


Peer-Reviewed Articles:


Oral Presentations - Platform or Symposium:


Poster Presentations/Abstracts:


Other Publications (non peer-reviewed):

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Poster Presentations/Abstracts:

Oral Presentations - Platform or Symposium:

Murphy K. Mindfulness and meditation. 147th Annual Scientific Meeting, Michigan State Medical Society, Troy, MI, October 27, 2012.

Poster Presentations/Abstracts:

Murphy K. Mindfulness meditation instruction lowers psychological distress in medical students. The Inaugural William M. Davidson Medical Education Week, Oakland University William Beaumont School of Medicine, Royal Oak, MI, May 12-30, 2012.
Peer-Reviewed Articles:


Poster Presentations/Abstracts:


Nuclear Medicine

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


Physical Medicine and Rehabilitation

**Oral Presentation - Platform or Symposium:**


**Poster Presentations/Abstracts:**

Peer-Reviewed Articles:


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OBSTETRICAL / GYNECOLOGICAL SERVICES

Obstetrical Ultrasound and Fetal Imaging

Peer-Reviewed Articles:


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OPHTHALMOLOGY

Peer-Reviewed Articles:


Ophthalmology

Peer-Reviewed Articles: continued


Book Chapter or Full Book Publications:


Oral Presentations - Platform or Symposium:


Capone Jr A. Management of threshold ROP and APROP: Diagnosis, laser techniques, and follow-up. ESASO Retina Module, Lugano, Switzerland, June 5, 2012.
Ophthalmology

Oral Presentations - Platform or Symposium: continued


Ophthalmology

Oral Presentations - Platform or Symposium: continued


Trese MT. Philip Hessburg Lecture: Ocriplasmin manipulation of the vitreous in adult and pediatric retinal diseases. 35th Ophthalmology Alumni Day, Henry Ford Hospital, Detroit, MI, June 2, 2012.


Trese MT. Capillary dropout; familial exudative vitreoretinopathy; development of retinal detachment in ROP eyes with anti-VEGF: Integrating technology with ROP. World Retinopathy of Prematurity Congress III, Shanghai, China, October 14-16, 2012.
Ophthalmology

Oral Presentations - Platform or Symposium: continued


Williams GA. Ophthalmic workforce, physician productivity and the economics of vitreoretinal practice. What is the RUC and new issues in retinal coding? Follow the money: Physician payment models. 12th Annual Advanced Vitreoretinal Techniques & Technology (AVTT), Symposium & CPE Vitreoretinal Fellow’s Program, Chicago, IL, August 2012.


**ORTHOPAEDIC SURGERY**

**Peer-Reviewed Articles:**


Oral Presentations - Platform or Symposium:


Orthopaedic Surgery

Oral Presentations - Platform or Symposium: continued


Poster Presentations/Abstracts:


Orthopaedic Surgery

**Poster Presentations/Abstracts:** continued


**Orthopaedic Surgery**

**Poster Presentations/Abstracts:** continued


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

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:

Doshi D. Functional respiratory disorders: Vocal cord dysfunction chapter. Edited by Ran Anbar 2012 Humana Press.


Pediatric Services

Oral Presentations - Platform or Symposium:


Poster Presentations/Abstracts:


PHARMACEUTICAL SERVICES

Peer-Reviewed Articles:


Oral Presentations - Platform or Symposium:


Poster Presentations/Abstracts:

RADIATION ONCOLOGY

Peer-Reviewed Articles:


**Radiation Oncology**

**Peer-Reviewed Articles: continued**


Radiation Oncology

Peer-Reviewed Articles: continued


Book Chapter or Full Book Publications:


Oral Presentations - Platform or Symposium:


Radiation Oncology

Oral Presentations - Platform or Symposium: continued


Marples BM. Biodosimetry and normal tissue radiobiology. 54th Annual Meeting, American Society for Radiation Oncology, Boston, MA, October 28-November 1, 2012.
Radiation Oncology

Oral Presentations - Platform or Symposium: continued


**Troller A**, Soehn S, **Yan D**. Comparison of normal tissue complication probability (NTCP) model outcomes for conformal radiotherapy (CRT) versus intensity modulated radiotherapy (IMRT) of prostate cancer. 54th Annual Meeting, American Society for Radiation Oncology, Boston, MA, October 28-November 1, 2012.


**Wilson GD**. The role of CD44-associated stem cells in recovery of head and neck squamous cell carcinoma following radiation. 2nd Midwest Conference on Stem Cell Biology and Therapy, Oakland University, Rochester, MI, October 5-7, 2012.

**Wilson GD**. Radiation, chemoradiation and biological targeting. 54th Annual Meeting, American Society for Radiation Oncology, Boston, MA, October 28-November 1, 2012.
**Radiation Oncology**

**Oral Presentations - Platform or Symposium:** continued


**Poster Presentations/Abstracts:**


Radiation Oncology

Poster Presentations/Abstracts: continued


Krueger SA. Early treatment response monitoring using 18F-PET imaging during fractionated radiotherapy of head neck cancer xenografts. World Molecular Imaging Congress, Dublin, Ireland, September 4-8, 2012.

Krueger SA. The role of bone marrow-derived progenitor cells in the systemic response to radiation-induced lung damage. 54th Annual Meeting, American Society for Therapeutic Radiology and Oncology, Boston, MA, October 28-November 1, 2012.


Radiation Oncology

Poster Presentations/Abstracts: continued

Marina O. Mean per-core biopsy volume as a predictor of failure for Gleason 7 prostate cancer patients undergoing high-dose-rate brachytherapy (HDR). 54th Annual Meeting, American Society for Therapeutic Radiology and Oncology, Boston, MA, October 28-November 1, 2012.


Radiation Oncology

**Poster Presentations/Abstracts: continued**


*Vance S*. Clinical outcomes and toxicity after stereotactic body radiotherapy (SBRT) with or without adjuvant chemotherapy for stage I non-small cell lung cancer (NSCLC). 54th Annual Meeting, American Society for Therapeutic Radiology and Oncology, Boston, MA, October 28-November 1, 2012.


Werner-Wasik M, Belderbos J, Hope A, **Yan D, Grills IS**, et al. No difference in outcome between biopsied vs. non-biopsied early stage medically inoperable non-small cell lung cancer patients treated with volumetric image guided stereotactic body radiation therapy (SBRT): Analysis of a large multiinstitutional database. 54th Annual Meeting, American Society for Therapeutic Radiology and Oncology, Boston, MA, October 28-November 1, 2012.


Wilson GD. The role of CD44-associated stem cells in the recovery of head and neck squamous cell carcinoma following radiation. 54th Annual Meeting, American Society for Therapeutic Radiology and Oncology, Boston, MA, October 28-November 1, 2012.

Wilson GD. Gene expression characterization of chemoradiation treatment failure in HPV16 positive head and neck squamous cell carcinoma. 54th Annual Meeting, American Society for Therapeutic Radiology and Oncology, Boston, MA, October 28-November 1, 2012.


Radiation Oncology

Poster Presentations/Abstracts: continued


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


Other Publications (non peer-reviewed):


Research Administration

Peer-Reviewed Articles:


Jiddou MR, Pica M, Boura JA, Qu L, Franklin BA. Incidence of myocardial infarction with shifts to and from daylight savings time. Am J Cardiol, published online December 7, 2012.


Oral Presentations - Platform or Symposium:

**Research Administration**

**Oral Presentations - Platform or Symposium:** continued


**Poster Presentations/Abstracts:**


Research Administration

Poster Presentations/Abstracts: continued


SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES

GENERAL SURGERY
MULTI-ORGAN TRANSPLANT
NEUROSURGERY
OTOLARYNGOLOGY
PULMONARY and CRITICAL CARE
THORACIC SURGERY
VASCULAR SURGERY
Peer-Reviewed Articles:


Oral Presentations - Platform or Symposium:


General Surgery

Oral Presentations - Platform or Symposium: continued


Urban N, Robbins J. Using propensity score matching to demonstrate the increased complication rates associated with intraoperative transfusion of packed red blood cells in general surgery patients. 59th Annual Meeting, Michigan Chapter of the American College of Surgeons, Traverse City, MI, May 16-18, 2012.

Poster Presentations/Abstracts:


General Surgery

**Poster Presentations/Abstracts: continued**


Peeples C, Cooney R, Ivascu F, Munoz Maldonado Y, Howells G. You drink, you drive, you lose; does this law apply to the injured intoxicated driver? American College of Surgeons, Chicago, IL, October 2012.


MULTI-ORGAN TRANSPLANT SURGERY

Oral Presentations - Platform or Symposium:


Poster Presentations/Abstracts:


Abstracts Published as part of a Proceeding (No Oral or Poster Presentation):


**Oral Presentations - Platform or Symposium:**


**Poster Presentations/Abstracts:**


OTOLARYNGOLOGY

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Otolaryngology

Oral Presentations – Platform or Symposium:


**Babu SC**. Diagnosis and management of patulous eustachian tube. Michigan Ear Institute Annual Conference, Traverse City, MI, June 2, 2012.


**Chan EY**. Tinnitus: Everything you want to know about it. Michigan Ear Institute Spring Conference, Traverse City, MI, June 2, 2012.

**Hong S**. The management of Meniere’s syndrome. Michigan Ear Institute Spring Conference, Traverse City, MI, June 2, 2012.

**LaRouere MJ**. Vestibular testing for the practicing otolaryngologist. Michigan Ear Institute Spring Conference, Traverse City, MI, June 2-3, 2012.


Otolaryngology

Oral Presentations – Platform or Symposium: continued


Zappia JJ. Intratympanic steroids. Michigan Ear Institute Spring Conference, Traverse City, MI, June 2, 2012


Poster Presentations/Abstracts:

PLASTIC SURGERY

Poster Presentations/Abstracts:


Poster Presentations/Abstracts:


THORACIC SURGERY

Poster Presentations/Abstracts:


VASCULAR SURGERY

Oral Presentations - Platform or Symposium:


Poster Presentations/Abstracts:


**UROLOGY**

**Peer-Reviewed Articles:**


Urology

**Peer-Reviewed Articles:** continued


Urology

Book Chapter or Full Book Publications:


Schober M, Kerby D. New approaches to prostate cancer. The ABC’s of Prostate Cancer, Chapter 18, pages 63-66; Feb 2012.

Oral Presentations - Platform or Symposium:


**Urology**

**Oral Presentations - Platform or Symposium**: continued


**Jaeger C, Killinger K, Rosenberg B, Boura J, Peters KM.** Cystectomy for ulcerative interstitial cystitis: Surgical outcomes and patients perceptions of improvement. AMA Student Research Symposium, Big Island, HI, October 7-12, 2012.


Urology

**Oral Presentations - Platform or Symposium: continued**


**Peters KM.** Incontinence, IC, neuromodulation. Oklahoma State Urological Association Community Seminar for Patients with Sexual Dysfunction, Oklahoma City, OK, March 9, 2012.


**Peters KM.** Nerve rerouting procedure update. 2nd World Congress on Spina Bifida Research and Care, Las Vegas, NV, March 11-14, 2012.


**Urology**

**Oral Presentations - Platform or Symposium:** continued


**Peters KM.** Advanced neuromodulation for voiding and bowel dysfunction. 6th Annual Hiram and Gloria Arnold Lectureship in Urogynecology. The Methodist Hospital System, Houston, TX, May 16, 2012.


**Peters KM.** State of the art presentation: Neuromodulation in the treatment of voiding disorders. Western section of the AUA 88th Annual Meeting, Big Island, HI, October 7-12, 2012.

**Peters KM.** Percutaneous tibial nerve stimulation for the treatment of overactive bladder syndrome: Final 36-month results of the Step study. Western section of the AUA 88th Annual Meeting, Big Island, HI. October 7-12, 2012.


Urology

**Oral Presentations - Platform or Symposium: continued**


**Poster Presentations/Abstracts:**


Urology

**Poster Presentations/Abstracts: continued**


**Peters KM.** Clinical insights into PTNS for the treatment of overactive syndrome: Secondary analysis of the SUMit Trial. 88th Annual Meeting, Western Section of the American Urology Association, Big Island, HI, October 7-12, 2012.

**Peters KM.** Differences in allergy prevalence among women with and without ulcerative interstitial cystitis/painful bladder syndrome and controls. 88th Annual Meeting, Western Section of the American Urology Association, Big Island, HI, October 7-12, 2012.


Urology

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