Research Institute

Report of Accomplishments

2016
For more than 45 years, researchers at Beaumont have helped to bring new technologies, new treatments, and new medications into the practice of medicine, and have helped to move the standard of care forward to improve the safety and quality of medical care for patients locally, nationally, and internationally. The greatest reward from these achievements is the realization that patients’ lives are improved and enriched because of the outstanding research carried out by Beaumont physicians, scientists and staff.

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

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

Beaumont research is heavily oriented towards translational research, investigating new treatments, pharmaceuticals, medical devices, and scientific approaches aimed at enhancing the excellence and safety of patient care. Beaumont has a robust program of clinical research, numbering over 1,158 trials with over 10,363 registered research participants. Beaumont’s clinical services are superb, providing the standard upon which new and innovative research is built. The volume of patients served at Beaumont, combined with the excellence of clinical care, provides a striking opportunity to develop new treatments. Moving forward, Beaumont Health and OUWB will build upon existing research strengths in nationally recognized clinical and translational programs, including Cardiovascular Medicine, Radiation Oncology, Urology, Orthopaedics, OB/GYN, Ophthalmology, Emergency Medicine and many others, to establish a new emphasis in population/community health and learning health system initiatives that will focus on improving health and healthcare delivery for our patients and communities.

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

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

### Funding
2016 Research Institute actual operations $32.2M

### External Sources of Research Funding
(2016 data)
- Commercial sponsors 30%
- Intellectual Property 30%
- Federal sponsors 26%
- Philanthropic sponsors 14%

### Types of Research at Beaumont Health
(2016 percentage of expenses)
- Clinical Research 55%
- Pre-clinical Research 45%

### External Research Funding by Service Line
(2016 data)
- Radiation Oncology 21%
- Urology 15%
- Emergency 11%
- Hematology/Oncology 8%
- Cardiology 7%
- Infectious Disease 6%
- Orthopedics 4%
- OB/GYN 3%
- Other (Various, Admin/Inv. IP Share) 25%

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

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

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

### Support for the Research Institute
- AAALAC accredited animal facility
- AAHRPP accredited human research protection program
- Beaumont Research Coordinating Center for multicenter clinical trials
- BioBank/Erb Family Core Molecular Lab
- Flash CT scanner
- Fully equipped bench laboratories
- National Cancer Institute's Community Oncology Research Program (NCORP)
- Partnership with OUWB School of Medicine
- PET-CT and Biotracer
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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.
BEAUMONT HOSPITAL
Royal Oak, Troy, Grosse Pointe
ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Peer-Reviewed Articles:


**Peer-Reviewed Articles:**


**Abstracts with Associated Research Presentations:**


BioBank

Abstracts with Associated Research Presentations: continued


Invited Research Presentations:

**CARDIOVASCULAR DISEASE**

**Peer-Reviewed Articles:**


Cardiovascular Disease

**Peer-Reviewed Articles:** continued


Ephrem G. A year to learn it all: It is the basics. JACC Cardiovasc Interv. 2016 Apr 11;9(7):755-756.


Franklin BA, Berra K, Lavie CJ. Should I have an exercise stress test? JAMA Cardiol. 2016 Dec 1;1(9):1084.


Cardiovascular Disease

Peer-Reviewed Articles: continued


Cardiovascular Disease

Peer-Reviewed Articles: continued


Lakshmanadoss U, Mertens A, Gallagher M, Kutinsky I, Williamson B. Sudden cardiac arrest due to a single sodium channel mutation producing a mixed phenotype of brugada and long QT3 syndromes. Indian Pacing Electrophysiol J. 2016 16(2):66-69.


Cardiovascular Disease

Peer-Reviewed Articles: continued


Renard BM, Hanson ID, Goldstein JA. Severe mitral regurgitation and biventricular heart failure successfully treated with biventricular percutaneous axial flow pumps as a bridge to mitral valve surgery. Catheter Cardiovasc Interv, published online March 25, 2016.


Cardiovascular Disease

Peer-Reviewed Articles: continued


Abstracts with Associated Research Presentations:

Cardiovascular Disease

Abstracts with Associated Research Presentations: continued


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


Almany S. Free student checks. Northville High School, Northville, MI, May 24, 2016. http://mms.tveyses.com/MediaCenterPlayer.aspx?u=aHR0cDovL21lZGlhY2VudGVyLnR2ZXIlcy5jb20vZG93bmxvYWRnYXRld2F5LmFzczHg%2FVXNlcklEPTI5NDk2NCZNRElEPTYyNzg4MzMmTURTZWVkPTI5OCZUeXBlPU1lZGlh.
Peer-Reviewed Articles:


Abstracts with Associated Research Presentations:


Invited Research Presentations:

Colon and Rectal Surgery

Invited Research Presentations: continued


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

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

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


Brandenburg S, Kilanowski S. Subacute combined degeneration from nitrous oxide abuse. American College of Radiology Case in Point, published online May 16, 2016.


Diagnostic Radiology and Molecular Imaging

Peer-Reviewed Articles: continued


**Reich S, Langlas T, Kilanowski S.** Catamenial pneumothorax. American College of Radiology Case in Point, published online April 8, 2016.


Book Chapter or Full Book Publications:


Diagnostic Radiology and Molecular Imaging

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


**Abstracts with Associated Research Presentations:**

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


Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued


Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued


Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued


Diagnostic Radiology and Molecular Imaging

Abstracts with Associated Research Presentations: continued


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

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


Non Peer-Reviewed Publications:


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

Peer-Reviewed Articles:


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


Emergency Medicine

Peer-Reviewed Articles: continued


Emergency Medicine

**Book Chapter or Full Book Publications:**


**Abstracts with Associated Research Presentations:**


Emergency Medicine

Abstracts with Associated Research Presentations: continued


Emergency Medicine

Invited Research Presentations:


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


Non Peer-Reviewed Publications:


Peer-Reviewed Articles:


Invited Research Presentations:


Non Peer-Reviewed Publications:

Mulhem E. In people with chronic rhinosinusitis, how do high-dose intranasal corticosteroids compare with low-dose at improving outcomes? Cochrane Clinical Answers 2016 10:1002/cca.1470.

Mulhem E. How does a short-course of oral steroids as an adjunct to intranasal steroids or antibiotics affect outcomes in children with chronic rhinosinusitis? Cochrane Clinical Answers 2016 10:1002/cca.1395.

Mulhem E. How does a short-course of oral steroids as an adjunct to intranasal steroids or antibiotics affect outcomes in adults with chronic rhinosinusitis? Cochrane Clinical Answers 2016 10:1002/cca.1394.


Family Medicine

**Non Peer-Reviewed Publications:** continued

**Mulhem E.** In pregnant women with pre-existing diabetes, how do different intensities of glycemic control affect outcomes? Cochrane Clinical Answers 2016 10:1002/cca.1354.

**Mulhem E.** In adults with acute bacterial meningitis, is adding corticosteroids to standard treatment with antibacterial agents helpful? Cochrane Clinical Answers 2016 10:1002/cca.1273.

**Mulhem E.** In children with acute bacterial meningitis, is there randomized controlled trial evidence to support adding corticosteroids to standard treatment with antibacterial agents? Cochrane Clinical Answers 2016 10:1002/cca.1217.

**Mulhem E, Pettersen K.** Which regimen is most effective at improving outcomes in critically ill adults with hospital-acquired pneumonia: Short-course or prolonged-course antibiotic therapy? Cochrane Clinical Answers 2016 10:1002/cca.1174.

**Mulhem E.** In people with unilateral peripheral vestibular dysfunction, what are the effects of vestibular rehabilitation? Cochrane Clinical Answers 2016 10:1002/cca.1125.
SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE

ALLERGY
GASTROENTEROLOGY and HEPATOLOGY
GENERAL INTERNAL MEDICINE
GERIATRICS
HEMATOLOGY / ONCOLOGY
INFECTIOUS DISEASES
NEUROLOGY
NUTRITION and PREVENTIVE MEDICINE
Peer-Reviewed Articles:


Abstracts with Associated Research Presentations:

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

Peer-Reviewed Articles:


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


Gastroenterology and Hepatology

Peer-Reviewed Articles: continued


Hakim S, Desai T, Cappell MS. Esophageal hemangiomatosis with chest CT revealing a fine, curvilinear, calcified, thrombus within the esophagus simulating acute esophageal fishbone impaction: First reported endoscopic photograph of GI manifestations in Maffucci syndrome. Gastrointest Endosc, published online October 6, 2016.


Book Chapters or Full Book Publications:


Abstracts with Associated Research Presentations:

Gastroenterology and Hepatology

Abstracts with Associated Research Presentations: continued


Peer-Reviewed Articles:


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


General Internal Medicine

Peer-Reviewed Articles: continued


Abstracts with Associated Research Presentations:


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


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


General Internal Medicine

Abstracts with Associated Research Presentations: continued


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


**General Internal Medicine**

**Abstracts with Associated Research Presentations:** continued


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

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


General Internal Medicine

Abstracts with Associated Research Presentations: continued


**General Internal Medicine**

**Abstracts with Associated Research Presentations:** continued


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


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


General Internal Medicine

Abstracts with Associated Research Presentations: continued


GERIATRICS

Peer-Reviewed Articles:


Abstracts with Associated Research Presentations:

HEMATOLOGY / ONCOLOGY

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Hematology / Oncology

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Hematology / Oncology

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INFECTIONOUS DISEASES

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Infectious Diseases

Abstracts with Associated Research Presentations: continued

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


Invited Research Presentations:

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Abstracts with Associated Research Presentations:


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

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

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

NUTRITION and PREVENTIVE MEDICINE

Abstracts with Associated Research Presentations:


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

**Peer-Reviewed Articles:**


Obstetrical / Gynecological Services

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Abstracts with Associated Research Presentations:


Obstetrical / Gynecological Services

Abstracts with Associated Research Presentations: continued


Invited Research Presentations:

Peer-Reviewed Articles:


**Ophthalmology**

**Peer-Reviewed Articles:** continued


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


Ophthalmology

Peer-Reviewed Articles: continued


Abstracts with Associated Research Presentations:


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Ophthalmology

Invited Research Presentations: continued


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


**ORTHOPAEDIC SURGERY**

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Orthopaedic Surgery

Abstracts with Associated Research Presentations:


Orthopaedic Surgery

Abstracts with Associated Research Presentations: continued


Orthopaedic Surgery

Abstracts with Associated Research Presentations: continued


Peer-Reviewed Articles:


Haberichter K, Crisan D, Micale MA. ALK-negative anaplastic large T-cell lymphoma with a complex karyotype and DUSP22 gene rearrangement. CAP Today 2016;30(9), 49-54.


**Pathology and Laboratory Medicine**

**Peer-Reviewed Articles:** continued


**Book Chapter or Full Book Publications:**


Pathology and Laboratory Medicine

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


**Abstracts with Associated Research Presentations:**


Pathology and Laboratory Medicine

Abstracts with Associated Research Presentations: continued


Pathology and Laboratory Medicine

Invited Research Presentations:


Wang Y, Kuntzman T, Dalton C, Alassi O. Follow-up studies of patients with high risk human papillomavirus (HPV) positive, cytology-negative cervical screening co-testing results. American Society of Cytopathology (ASC) 64th Annual Scientific Meeting, New Orleans, LA, November 4-7, 2016.

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

Peer-Reviewed Articles:


Kubik M, Thottam PJ, Shaffer A, Choi S. The role of the otolaryngologist in the evaluation and diagnosis of eosinophilic esophagitis. Laryngoscope, published online November 30, 2016.


 Pediatric Services

**Peer-Review Articles:** continued


**Thottam PJ**, Genog M, Chi D, Mehta D. Outcomes and predictions of surgical management of Type 1 laryngeals cleft swallowing dysfunction. Largngoscope. 2016 Dec;126(12):2838-2843.


**Book Chapters or Full Book Publications:**


**Abstracts with Associated Research Presentations:**


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

Abstracts with Associated Research Presentations: continued

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


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

PHARMACEUTICAL SERVICES

Invited Research Presentations:


Peer-Reviewed Articles:


Abstracts with Associated Research Presentations:

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


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


Invited Research Presentations:

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

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

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

Peer-Reviewed Articles:


Radiation Oncology

**Peer-Reviewed Articles:** continued


Radiation Oncology

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Radiation Oncology

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Radiation Oncology

Peer-Reviewed Articles: continued


Radiation Oncology

Peer-Reviewed Articles: continued


Abstracts with Associated Research Presentations:


Radiation Oncology

Abstracts with Associated Research Presentations: continued


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


Radiation Oncology

Abstracts with Associated Research Presentations: continued

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


Radiation Oncology

Abstracts with Associated Research Presentations: continued


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


Radiation Oncology

Abstracts with Associated Research Presentations: continued


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

Radiation Oncology

Abstracts with Associated Research Presentations: continued


radiation oncology

abstracts with associated research presentations: continued

zhang j, nguyen d, woods k, tran a, li x, ding x, et al, [kabolizadeh p, guerrero tm]. treatment planning study of normal tissue sparing with robustness optimized impt, 4pi imrt, and vmat for head and neck cases. american association of physicists in medicine (aapm) annual meeting, washington, dc, july 31-august 4, 2016.


zhou j, ding x, liang j, zhang j, *wang y, yan d. 4d dose reconstruction of intensity modulated proton therapy (impt) based on breathing probability density function (pdf) from 4d cone beam projection images: a study for lung treatment. american association of physicists in medicine (aapm) annual meeting, washington, dc, july 31-august 4, 2016.

invited research presentations:

castillo e. image analysis methods for quantifying rt dose response of the lung. 58th annual meeting of the american society for radiation oncology (astro), panel on normal tissue radiobiology: dose tolerances and therapeutic ratio for sbrt, boston, ma, september 25-28, 2016.

castillo e. quantifying the effects of cancer radiotherapy with ct-derived functional imaging. institute of mathematics and image computing, colloquium, lubeck, germany, august 31, 2016.

castillo e. quantifying the effects of cancer radiotherapy with medical image analysis. extreme science and engineering discover environment (xsede) scholars program, rice university, houston tx, june 28, 2016.


chinnaiyan p. radiation in the era of precision medicine. 21st annual scientific meeting and education day of the society for neuro-oncology, scottsdale, az, november 16-20, 2016.


*marples b. radiation-induced changes in brain function after cranial irradiation: Radiobiology and clinical review. american society for radiation oncology (astro) annual spring refresher course, la jolla, ca, march 11-13, 2016.
Radiation Oncology

Invited Research Presentations: continued

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

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


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

Peer-Reviewed Articles:


Abstracts with Associated Research Presentations:

Abstracts with Associated Research Presentations: continued


SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES

BREAST CARE CENTER

GENERAL SURGERY

MULTI-ORGAN TRANSPLANT SURGERY

NEUROSURGERY

OTOLARYNGOLOGY

PEDIATRIC SURGERY

PLASTIC SURGERY

VASCULAR SURGERY
BREAST CARE CENTER

**Abstracts with Associated Research Presentations:**


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

Dekhne N. Interview with Pat Anstett explaining lumpectomy and mastectomy. [https://www.youtube.com/watch?v=_Iyx0T1db6A](https://www.youtube.com/watch?v=_Iyx0T1db6A), October 30, 2016.
Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Abstracts with Associated Research Presentations:


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


General Surgery

Abstracts with Associated Research Presentations: continued


Invited Research Presentations:

MULTI-ORGAN TRANSPLANTATION

Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Abstracts with Associated Research Presentations:


Multi-Organ Transplantation

Abstracts with Associated Research Presentations: continued


Non Peer-Reviewed Publications:

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

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

Non Peer-Reviewed Publications: continued

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


Abstracts with Associated Research Presentations:

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


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


Invited Research Presentations:

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

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

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


Invited Research Presentations:


Otolaryngology

Invited Research Presentations: continued


Peer-Reviewed Articles:


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


Abstracts with Associated Research Presentations:


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

Peer-Reviewed Articles:

VASCULAR SURGERY

Peer-Reviewed Articles:


Abstracts with Associated Research Presentations:


Invited Research Presentations:


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

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

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

Invited Research Presentations: continued


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

Non Peer-Reviewed Publications:


Urology

Peer-Reviewed Articles: continued


**Urology**

**Peer-Reviewed Articles**: continued


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


**Book Chapters or Full Book Publications**:


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


Urology

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


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


**Abstracts with Associated Research Presentations:**


Urology

Abstracts with Associated Research Presentations: continued

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

Awarded: 2nd Place.


Urology

Abstracts with Associated Research Presentations: continued


Urology

Abstracts with Associated Research Presentations: continued


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


Urology

Abstracts with Associated Research Presentations: continued


Urology

Abstracts with Associated Research Presentations: continued


Invited Research Presentations:


Urology

Invited Research Presentations: continued


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


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

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


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

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

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


Peer-Reviewed Articles:

CANCER CENTER

Book Chapter or Full Book Publications:


Invited Research Presentations:


Peer-Reviewed Articles:


Book Chapter or Full Book Publications:


Abstracts with Associated Research Presentations:

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

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


Invited Research Presentations:


Radiology

Invited Research Presentations: continued


BEAUMONT HOSPITAL
Dearborn, Taylor, Trenton, Wayne
CARDIOVASCULAR DISEASE

Peer-Reviewed Articles:


Peer-Reviewed Articles:

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

Peer-Reviewed Articles:

SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE

DERMATOLOGY

GENERAL INTERNAL MEDICINE

INFECTIOUS DISEASES

PALLIATIVE MEDICINE
DERMATOLOGY

**Peer-Reviewed Articles:**

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


Peer-Reviewed Articles:


INFECTIOUS DISEASES

Peer-Reviewed Articles:

PALLIATIVE CARE

Abstracts with Associated Research Presentations:

NURSING

Peer-Reviewed Articles:


Peer-Reviewed Articles:

**Peer-Reviewed Articles:**

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


PSYCHIATRY

Peer-Reviewed Articles:

Peer-Reviewed Articles:


SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES

GENERAL SURGERY
ORTHOPAEDIC SURGERY
PODIATRIC SURGERY
Peer-Reviewed Articles:


Orthopaedic Surgery

Peer-Reviewed Articles:


Peer-Reviewed Articles:


