Research Institute

Report of Accomplishments

2010

Beaumont

HEALTH SYSTEM
For more than 35 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 in partnership with Oakland University to establish the Oakland University William Beaumont School of Medicine, our research activities, graduate medical education, and scholarly endeavors will become 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 a markedly increased number of peer-reviewed publications in recognized journals by participating faculty every 3 years. 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, and are committed to expanding these endeavors. 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 932 trials with more than 81,000 enrolled subjects. 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 marker 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
Beaumont Hospitals, 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 400 residents and fellows, and 189 research staff, including 73 research nurses.

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### 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’ / Fellows’ Research Forum
- Biostatistics course

### 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
- Biosafety Committee
- Biostatisticians
- Compliance
- Database Development
- Education
- Federal Grant Development
- Human Resources
- Institutional Review Board (IRB)

### Clinical Trials/Subjects
- 932 Trials
- 81,000 registered patient subjects

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### External sources of research funding
(based on 2009 data)
- Commercial sponsor 67%
- Federal sponsor 18%
- Philanthropic sponsors 15%

### Types of research at Beaumont Hospitals
(based on 2009 percentage of revenue)
- Clinical Research 74%
  - 6% Phase I
  - 28% Phase II
  - 64% Phase III
  - 2% Phase IV
- Pre-clinical/ Research 9%
- Intellectual Property 17%

### External sources of research funding by Research Service Line
(based on 2009 data)
- Surgical Services 49%
  - Anesthesia 3%
  - Ophthalmology 2%
  - Orthopaedics 5%
  - Radiation Oncology 26%
  - Surgical Clinical Trials & Lab 4%
  - Urology 9%
- Medical Services and Other 51%
  - Beaumont Coordinating Ctr 14%
  - Cardiology 9%
  - Emergency Medicine 4%
  - Hematology/Oncology 10%
  - Nutrition & Preventive Med 2%
  - Other Programs 12%

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### The scope of support for the Research Institute
Beaumont Hospitals:
- More than 218,276 Emergency Center visits, 96,174 Inpatient admissions
- Beaumont, Royal Oak is first in the U.S. for admissions among all hospitals
- Beaumont, Royal Oak is second in the U.S. for total surgeries among all hospitals
- 58 surgical suites
- A 128-slice CT scanner
- PET-CT and biotracer

- 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
- Beaumont Research Coordinating Center for Multicenter Clinical Trials
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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.
ANESTHESIOLOGY AND PERIOPERATIVE MEDICINE

Abstracts/Posters:


Research Presentations:


Anesthesiology and Perioperative Medicine

**Peer-Reviewed Articles:**


**Chapters and Books:**


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


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

Hartrick CT. Editorial Note: Online access for pain fellows in training. Pain Practice 2010;10:165-166.
Abstracts/Posters:


BioBank

Abstracts/Posters: continued

Wilson GD, Galoforo S, Marples B, Geddes T, Thibodeau B, Park S, et al, [Akervall JA]. Novel targets and biomarkers of tumor radioresponse. 52nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Diego, CA, October 31-November 4, 2010. (Also a Research Presentation)

Research Presentations:


Cardiovascular Disease

Abstracts/Posters: continued


*Penugonda N, Billecke SS, Yerkey MW, Rebner M, Marcovitz PA. Usefulness of breast arterial calcium on mammography for predicting coronary artery disease or cardiovascular events in women with angina pectoris and/or positive stress tests. International Academy of Cardiology 15th World Congress on Heart Disease, Vancouver, BC, Canada, July 24–27, 2010.
Cardiovascular Disease

**Abstracts/Posters: continued**

**Raff G.** Sustained radiation dose reduction in the Michigan Blue Cross Blue Shield Coronary CT Registry. Annual Scientific Session SCCT, Beaumont Hospitals, Royal Oak, MI, July 2010.


Cardiovascular Disease

Abstracts/Posters: continued


Research Presentations:

Chinnaiyan KM. To educate CCTA referring physicians on best practice including appropriate patient selection and radiation dose reduction. Best Practice of CCTA (Course Director): Four ACIC/BCBSM sponsored CME meetings across the state of Michigan, May 2010.


Chinnaiyan KM. Appropriate patient selection for CCTA in the emergency room. SCCT Annual Scientific Sessions, Chicago, IL, November 13-17, 2010.


Dixon SR. Acute MI management and cardiogenic shock. AHA, Chicago, IL, November 13-17, 2010.


Raff GL. Quality in coronary computed tomography. 31st Annual Recent Advances in Nuclear Cardiology and Cardiac CT, Washington, DC, May 2010.


Raff GL. Research in CTA: Meet the PI – the CT STAT trial. Annual Scientific Sessions SCCT. July 2010.
Cardiovascular Disease

Research Presentations: continued

**Raff GL.** CTA for acute chest pain, pros and cons. Michigan ACC, Traverse City, MI, October 10, 2010.


**Raff GL.** Coronary CT: Cost effectiveness. Screening and other big picture issues. AHA Scientific Sessions, Chicago, IL, November 2010.

**Safian RD, Madder RD.** Controversies in the management of patients with atherosclerotic renal artery stenosis. Internal Medicine Grand Rounds, Beaumont Hospitals, Royal Oak, MI, August 4, 2010.

Peer-Reviewed Articles:


**Artinian NT, Franklin BA.** Counseling African Americans in cardiac rehabilitation: Implications for comprehensive lifestyle modification. American Journal of Lifestyle Medicine, online July 12, 2010.


Cardiovascular Disease

Peer-Reviewed Articles: continued


Franklin BA. Counseling patients to favorably modify dietary and physical activity practices: The challenge of change. AHA Learning Library, July 12, 2010.


*Penugonda N, Billecke SS, Yerkey MW, Rebner M, Marcovitz PA. Usefulness of breast arterial calcium detected on mammography for predicting coronary artery disease or cardiovascular events in women with angina pectoris and/or positive stress tests. Amer J Cardiol 105:359-361, 2010.


Cardiovascular Disease

**Peer-Reviewed Articles:** continued


**Chapters and Books:**


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


**Chinnaiyan KM.** Go red for women. WJBK, Fox 2 Detroit News, February 2010.
Cardiovascular Disease

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

Chinnaiyan KM. Heart disease in women. WNIC, Metro Detroit Radio, February 2010.


Chinnaiyan KM. HealthImaging.com: Cardiac advanced visualization: More than just a pretty picture, February 2, 2010.  

Chinnaiyan KM. ACC: Making cuts to rad exposure does not equal loss of diagnostic quality 

Other Publications (non peer-reviewed):

D'Alecy LG, Billecke SS. Massive quantities of asymmetric dimethylarginine (ADMA) are incorporated in red blood cell proteins and may be released by proteolysis following hemolytic stress. Blood Cells Mol Dis 44:229-232, 2010.
Abstracts/Posters:


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


Abstracts/Posters:


Research Presentations:


Colon and Rectal Surgery

Research Presentations: continued


Peer-Reviewed Articles:


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

Abstracts/Posters:


Antypas E, Noujaim D, Noujaim S. Revealing the hidden anatomy of selected structures of the temporal bone using high resolution multidetector computed tomography. Radiological Society of North America (RSNA), Chicago, IL, November 28-December 3, 2010. Received Cum Laude Award.


*Dobzyniak C, Savin M. Cystic artery coil embolization prior to Y-90 radioembolization of liver malignancy. Global Embolization Symposium and Technology (GEST), San Francisco, CA, May 3-7, 2010. (Also a Research Presentation)


Diagnostic Radiology

Abstracts/Posters: continued


Research Presentations:


Diagnostic Radiology

Research Presentations: continued


Yadavalli S. MRI evaluation of hip pain: Femoroacetabular impingement and more. Update in Radiology Course. St. John’s Hospital and Medical Center, Detroit, MI, March 2010.

Yadavalli S. Imaging hip pain in the young and the not so young. Michigan State Medical Society, 145th Annual Scientific Meeting, October 2010.

Diagnostic Radiology

**Peer-Reviewed Articles:** continued


Penugonda N, Billecke SS, Yerkey MW, **Rebner M**, Marcovitz PA. Usefulness of breast arterial calcium detected on mammography for predicting coronary artery disease or cardiovascular events in women with angina pectoris and/or positive stress tests. American Journal of Cardiology, February 2010;105(3):359-361.


EMERGENCY MEDICINE

Abstracts/Posters:


Emergency Medicine

Abstracts/Posters: continued


Winter T, Kreiner C, Swor RA. What patients don’t get therapeutic hypothermia after cardiac arrest: One hospital’s experience. Acad Em Med 2010;17(S1).

Witkos M, Swor RA. What skills and knowledge are important for being a successful resident? What do the EM residents and students think? Acad Em Med 2010;17(S1).


Peer-Reviewed Articles:


Emergency Medicine

Peer-Reviewed Articles: continued


Swor RA, Lucia V, McQueen K, Compton S. Hospital costs and revenue are similar for resuscitated out of hospital cardiac arrest and acute myocardial infarction patients. Acad Emerg Med. 2010:17:612-616.


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


**FAMILY MEDICINE**

**Abstracts/Posters:**


**Research Presentations:**

*Blue C. Factors that influence an applicant when choosing a family medicine residency program. 60th Annual Beaumont Grosse Pointe Research Forum, Grosse Pointe MI, April 21, 2010.


Fisher C, Peters T. Project management: A foundational skill for developing a solid medical home. 43rd Annual Conference of the Society of Teachers of Family Medicine, Vancouver, Canada, April 2010.


Family Medicine

Research Presentations: continued


Peer-Reviewed Articles:

PATHOLOGY and LABORATORY MEDICINE

Abstracts/Posters:


**Gonzalez-Krellwitz LA, Fennell TR, Macknis JK.** Hyalinizing spindle cell tumor with giant rosettes presenting as a tongue mass in a 10-year-old. 2010 Society for Pediatric Pathology Fall Meeting, Banff, Alberta, Canada, September 2010.


Wiesend WN, Li W, Farinola MA, Rooney MT, Lin F, Zhang PL. P53 immunostaining can be used as a sensitive measure to detect BK viral infection in renal allograft biopsies. Lab Investigation 2010; 90(1):347A.

**Pathology and Laboratory Medicine**

**Abstracts/Posters: continued**


**Zhang PL, Brown RE, Hicks SK, Li W.** Phosphorylated mammalian target of rapamycin is upregulated in both cytoplasm and nuclei along cystic epithelium of adult type polycystic kidney disease. Lab Investigation 2010; 90(1):348A.


**Research Presentations:**


**Peer-Reviewed Articles:**


Cappell MS, Onea M, **Amin M.** GI bleeding from colonic ecchymoses associated with cutaneous ecchymoses over the lower extremities from leukocytoclastic vasculitis mediated by IgA deposition in Henoch-Schönlein purpura. Dig Dis Sci December 7, 2010.

Pathology and Laboratory Medicine

Peer-Reviewed Articles: continued


Chapters and Books:


Pathology and Laboratory Medicine

Chapters and Books: continued


Other Publications (non peer-reviewed):


Boyanton Jr BL, Robinson-Dunn B. Detecting gastrointestinal inflammation. The Beaumont Laboratory Newsletter for Physicians and Health Professionals, 2010; 4(3).

Boyanton Jr BL. How do I collect a specimen for bordetella pertussis testing? The Beaumont Laboratory Newsletter for Physicians and Health Professionals, 2010; 4(2).

Robinson-Dunn B, Boyanton Jr BL. Antimicrobial susceptibility testing. The Beaumont Laboratory Newsletter for Physicians and Health Professionals, 2010; 4(3).


SUBSPECIALTY DIVISIONS OF INTERNAL MEDICINE

ALLERGY / IMMUNOLOGY

GASTROENTEROLOGY and HEPATOLOGY

GENERAL INTERNAL MEDICINE

GERIATRICS

HEMATOLOGY / ONCOLOGY

COMPREHENSIVE BREAST CARE CENTER

INFECTIOUS DISEASES

INTEGRATIVE MEDICINE

NEPHROLOGY

NEUROLOGY

NUTRITION and PREVENTIVE MEDICINE

PULMONARY DISEASE
Abstracts/Posters:

Kenaya J, Sykes E, Lauter C. Clinical manifestations of elevated IgE levels in hospitalized patients. J Allergy Clin Immunology, 2010;125(2,S1):AB31.


Peer-Reviewed Articles:


GASTROENTEROLOGY and HEPATOLOGY

Abstracts/Posters:


Gorrepati N, Mukherjee S, Maas L. Pancreatic acinar metaplasia (PAM) in the distal esophagus – is it a variant of pancreatic heterotopia or an under reported histological finding? Am J Gastroenterol 2010 October; 431:S157. American College of Gastroenterology Annual Meeting, San Antonio, TX, October 15-20, 2010. (Also a Research Presentation)


Gastroenterology and Hepatology

Abstracts/Posters: continued


Peer-Reviewed Articles:

Al Sibae MR, Cappell MS. Accuracy of MELD scores in predicting mortality in decompensated cirrhosis from variceal bleeding, hepatorenal syndrome, alcoholic hepatitis, or acute liver failure as well as mortality after nontransplant surgery or TIPS. Dig Dis Sci, September 16, 2010.


Cappell MS, Batke M. Bleeding from sclerotherapy-induced anastomotic ulcers. Surg Obesity Related Diseases, August 17, 2010.


Gastroenterology and Hepatology

Peer-Reviewed Articles: continued

Cappell MS, Onea M, Amin M. GI bleeding from colonic ecchymoses associated with cutaneous ecchymoses over the lower extremities from leukocytoclastic vasculitis mediated by IgA deposition in Henoch-Schönlein purpura. Dig Dis Sci, December 7, 2010.


Cappell MS, Amin M, Courtney JT. Black macular patches on parietal peritoneum and other extraintestinal sites from intraperitoneal spillage and spread of India ink from preoperative endoscopic tattooing: An endoscopic, surgical, gross pathologic, and microscopic study. Dig Dis Sci 2010; 55(9):2599-2605.


Cappell MS. Should a physician interpret a procedural study improperly performed by a nurse or technician, such as capsule endoscopy performed on a wrong patient? A reasonable solution to a medicolegal dilemma. Minerva Gastroenterol Dietol (#1915).


Cappell MS. Is lumping peer-reviewed case reports together with not peer-reviewed comments for publication as letters to the editor appropriate? Am J Gastroenterol 2010; 105(8):1901.

Cappell MS. Problems with combining esophagogastroduodenoscopy and colonoscopy to analyze risks of transient hypoxia from procedures in patients with risk factors for sleep apnea: A call for stratifying risk according to individual procedures. Gastrointest Endosc 2010; 72(3): 672-673.
Cappell MS. Could a higher rebleeding rate for bleeding peptic ulcers in patients with renal failure be an artifactual finding? Gastrointest Endosc 2010; 72(5):1112.


Cappell MS. Rigorous scientific study of endoscopic adverse events requires not only a lexicon but a reliable reporting system. Gastrointest Endosc 2010; 72(6):1324.


Abstracts/Posters:


Amin A. Incidence of esophageal adenocarcinoma (EAC) in barrett’s esophagus (BE) low grade dysplasia (LGD) correlates with the prevalence of LGD in the total (BE) population and may be much less than the non esophageal mortality rate: A meta-analysis. American College of Gastroenterology Annual Meeting, San Antonio, TX, October 2010.


Beyene T. Type B insulin resistance syndrome (RS). American College of Physicians Scientific Meeting, Kalamazoo, MI, September 30-October 2, 2010.

Dino D. The Braden Scale revisited, are there differences in the subscales for pressure sore risk? American College of Physicians Scientific Meeting, Kalamazoo, MI, September 30-October 2, 2010.


General Internal Medicine

**Abstracts/Posters: continued**


**Pothugunta K.** Intractable diarrhea as a manifestation of autoimmune enteropathy. American College of Gastroenterology Annual Meeting, San Antonio, TX, October 2010.

**Pothugunta K.** Anti-GBM disease with positive P-ANCA and marantic endocarditis. American College of Physicians Scientific Meeting, Kalamazoo, MI, September 30-October 2, 2010.


**Raheem S.** Streptococcus pneumoniae purulent pericarditis presenting as chest pain. American College of Physicians Scientific Meeting, Kalamazoo, MI, September 30-October 2, 2010.


**Subedi P.** Autoimmune hemolytic anemia in a possible case of IgG4-related sclerosing disease. American College of Physicians Scientific Meeting, Kalamazoo, MI, September 30-October 2, 2010.

**Taoudi Benchekroun M.** Generalized lymphadenopathy, expect the unexpected! American College of Physicians Scientific Meeting, Kalamazoo, MI, September 30-October 2, 2010.


**Research Presentations:**


**Co M.** Central retinal artery occlusion: I can see clearly now. American College of Physicians Scientific Meeting, Kalamazoo, MI, September 30-October 2, 2010.
General Internal Medicine

Peer-Reviewed Articles:


Geriatrics

Abstracts/Posters:


*Plizga L, Voytas J. Is prehospital anticoagulation use an independent risk factor for increased morbidity and mortality in hospitalized elderly patients with hip fracture? 40th Annual Residents and Fellows Research Forum, Beaumont Hospitals, Royal Oak, MI, June 9, 2010. (Also a Research Presentation)


Research Presentations:

Dino D, Voytas J, Evoe S. The Braden scale revisited, are there differences in the subscales for pressure sore risk? ACP Michigan Chapter, Kalamazoo, MI, October 1, 2010.

Peer-Reviewed Articles:


HEMATOLOGY / ONCOLOGY

Abstracts/Posters:


Hernandez-Ilizaliturri F, Chisti MM, Mavis C, Maraj I, Gibbs J, Czuczman M. Panobinostat, a novel histone deacetylase (HiDAC) inhibitor enhances the anti-tumor activity of bortezomib (BTZ) in rituximab-chemotherapy sensitive and resistant lymphoma cell lines. 52nd American Society of Hematology, Orlando, FL, December 4-7, 2010.


Hematology / Oncology

Peer-Reviewed Articles:


Chapters and Books:

COMPREHENSIVE BREAST CARE CENTER

Abstracts/Posters:


Peer-Reviewed Articles:

**Abstracts/Posters:**


Downing L, **Sawarynski K**, Williams J, Finkelstein J, **Sims M**, Marples B. Pulmonary immunohistochemistry and multi-plex analysis of circulating cytokines after low-dose whole-body exposures in C57/BL6 mice. 52nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Diego, CA, October 31-November 4, 2010.


**Research Presentations:**


**Peer-Reviewed Articles:**


Infectious Diseases

Chapters and Books:


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


Other Publications (non-peer-reviewed):

Abstracts/Posters:


Abstracts/Posters:


Zhang PL, Farinola MA, Samarapungavan D, Rooney MT, Hicks SK, Cohn SR, et al, [Reddy GH, Dumler F]. Double stains of p-53 and cytokeratin-7 with SV-40 staining identify different phases and location of polyoma virus infection in renal allograft biopsies. XXIII International Congress of the Transplantation Society, Vancouver, BC, Canada, August 15-19, 2010. (Also a Research Presentation)

Research Presentations:

Dumler F. A low bioimpedance angle is indicative of decreased nutritional status in the NHANES III population. XV International Congress on Metabolism and Nutrition in Renal Disease, Lausanne, Switzerland, 2010.

Dumler F. A low 25D3 level is associated with increased prevalence of comorbidities in the general population across a wide range of eGFR. Annual Meeting of the American Society of Nephrology, Denver, CO, 2010.

Dumler F. Relationship between vitamin D levels, anthropometric parameters, and comorbidities in the general population (NHANES III). XV International Congress on Metabolism and Nutrition in Renal Disease, Lausanne, Switzerland, 2010.


**Nephrology**

**Peer-Reviewed Articles:**


NEUROLOGY

Abstracts/Posters:


Peer-Reviewed Articles:


NUTRITION and PREVENTIVE MEDICINE

Abstracts/Posters:


Peer-Reviewed Articles:


Nutrition and Preventive Medicine

Peer-Reviewed Articles: continued


Abstracts/Posters:


**Sujatha M, Ravikrishnan KP.** Allergic bronchopulmonary aspergillosis in a non-asthmatic patient: An atypical presentation. American College of Physicians Regional Meeting, Kalamazoo, MI, September 30-October 2, 2010.

Research Presentations:


Peer-Reviewed Articles:


NUCLEAR MEDICINE

Abstracts/Posters:


**Patel MM, Palka J, Balon HR, Fink-Bennett D.** Utilization of SPECT/CT to avoid potential pitfalls of planar triple tracer (Tc-99m sulfur colloid/In-111 WBC/Tc-99m MDP) imaging in suspected hip prosthesis infection. J Nucl Med 2010;51:181P. Society of Nuclear Medicine 57th Annual Meeting, Salt Lake City, UT, June 5-9, 2010. (Also a Research Presentation)


Nuclear Medicine

Abstracts/Posters: continued


Wong RH, Hooten J, Wong CO, Kestin L, Campbell J, Grills I, et al, [Wong CY]. Which SUV (standard uptake value) can be used in modern respiratory gated PET-CT (GPET): Ungated, single phase gated, or averaged gated value and with or without time of flight (TOF)? Molecular Imag Bio 2010,12, Suppl 2: S1171.


Rezvani M, Wu D, Berman A. Monitoring of methotrexate therapy of cardiac sarcoidosis with FDG PET. A case report. Society of Nuclear Medicine 57th Annual Meeting, Salt Lake City, UT, June 5-9, 2010. (Also a Research Presentation)

Peer-Reviewed Articles:


Nuclear Medicine

Chapters and Books:


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


Other Publications (non peer-reviewed):


**NURSING**

**Abstracts/Posters:**


Nursing

Abstracts/Posters: continued


Research Presentations:


Peer-Reviewed Articles:


Abstracts/Posters:


Research Presentations:


**Fisher J, Conboy B.** The Beaumont robotic chicken. A film addressing the issues related to the introduction of robotic surgery training and offering instruction for teaching robotic procedures using a chicken model, providing a safe, effective simulation for skill refinement. 58th Annual ACOG Clinical Meeting, San Francisco, CA, May 18, 2010. 2nd Place, ACOG Film Festival.

Peer-Reviewed Articles:


OBSTETRICAL / GYNECOLOGICAL SERVICES

Obstetrical Ultrasound & Fetal Imaging

Abstracts/Posters:


Research Presentations:


Peer-Reviewed Articles:


Obstetrical Ultrasound & Fetal Imaging

**Peer-Reviewed Articles:** (continued)


**Chapter and Books:**


Abstracts/Posters:


Research Presentations:


Hassan TS. Faculty debates: Avastin is superior to lucentis. 10th Annual Retina Fellows Forum, Chicago, IL, January 29-31, 2010.

Hassan TS. Retinal detachment: Old tricks for the new and new tricks for the old. 3rd Cairo Retina Meeting, Cairo, Egypt, April 1-2, 2010.

Hassan TS. CRVO: More options, more success. 3rd Cairo Retina Meeting, Cairo, Egypt, April 1-2, 2010.

Hassan TS. Vitreomacular traction syndromes: What to do next. 3rd Cairo Retina Meeting, Cairo, Egypt, April 1-2, 2010.

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Orthopaedic Surgery

Abstracts/Posters: continued


Research Presentations:


Orthopaedic Surgery

Research Presentations: continued


Orthopaedic Surgery

Research Presentations: continued


Orthopaedic Surgery

Research Presentations: continued


Orthopaedic Surgery

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Peer-Reviewed Articles:


Chapters and Books:

Pediatric Services

Chapters and Books: continued

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Abstracts/Posters:


Radiation Oncology

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Radiation Oncology

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Radiation Oncology

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Research Presentations:

**Radiation Oncology**

**Research Presentations:** continued


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Radiation Oncology

Research Presentations: continued


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**Peer-Reviewed Articles:**


**Radiation Oncology**

**Peer-Reviewed Articles**: continued


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Radiation Oncology

Peer-Reviewed Articles: continued


Chapters and Books:


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


Radiation Oncology

Other Publications (non peer-reviewed):


RESEARCH INSTITUTE

OUTCOMES RESEARCH

RESEARCH ADMINISTRATION
Outcomes Research

Abstracts/Posters:


Peer-Reviewed Articles:

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Abstracts/Posters:


Research Administration

Abstracts/Posters: continued


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Research Administration

Abstracts/Posters: continued


Research Presentations:


Research Administration

**Research Presentations**: continued

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**Peer-Reviewed Articles**:


SUBSPECIALTY DIVISIONS OF SURGICAL SERVICES

EAR, NOSE and THROAT SURGERY

GENERAL SURGERY

MULTI-ORGAN TRANSPLANT

NEUROSURGERY

PERIPHERAL VASCULAR SURGERY

PLASTIC SURGERY

SURGICAL LEARNING CENTER

THORACIC SURGERY
SURGICAL SERVICES

Ear, Nose and Throat Surgery

Research Presentations:


Peer-Reviewed Articles:

SURGICAL SERVICES

General Surgery

Abstracts/Posters:


Research Presentations:


Peer-Reviewed Articles:


Other Publications (non-peer reviewed):


SURGICAL SERVICES

Multi-Organ Transplant Surgery

Abstracts/Posters:


Research Presentations:


Multi-Organ Transplant Surgery

Research Presentations: continued


**Koffron A.** Post graduate course: Advances in ultrasonography, liver ablation and laparoscopic liver resection hand-assisted laparoscopic liver resection. International Hepato-Pancreato-Biliary Association, 9th World Congress, Buenos Aires, Argentina, April 18-22, 2010.


Neurosurgery

Abstracts/Posters:


Research Presentations:

Perez-Cruet MJ. Clinical applications of stem cell research. Department of Biological Sciences, Oakland University, Rochester Hills, MI, March 2010.


Neurosurgery

Research Presentations: continued


Peer-Reviewed Articles:


Chapters and Books:


Website Contributions, Videoclips and other Multimedia Contributions:


Other Publications (non peer-reviewed):

Peripheral Vascular Surgery

Abstracts/Posters:


Research Presentations:


Peer-Reviewed Articles:

Peripheral Vascular Surgery

Peer-Reviewed Articles: continued


Chapters and Books:

Plastic Surgery

Peer-Reviewed Articles:

Surgical Learning Center

Abstracts/Posters:


Chapters and Books:

Thoracic Surgery

Abstracts/Posters:


Peer-Reviewed Articles:


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Hollander JB. Hematuria: When is it significant and how to evaluate. First Annual Update in Urology, Tuscaloosa, AL, November 2010.


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Research Presentations: continued


Schober M, Bennett R. Case of proximal segmental priapism secondary to tadalafil. North Central Section of the American Urological Association, Chicago, IL, September 2010.


Urology

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Peer-Reviewed Articles:


Peer-Reviewed Articles: continued


**Urology**

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**Tyagi P, Tyagi V.** Mirabegron, a β3-adrenoceptor agonist for the potential treatment of urinary frequency, urinary incontinence or urgency associated with overactive bladder. iDrugs 2010 13(10): 713-22.
