

2010-2011
Annual Report
Graduate Medical Education

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Associate Dean and
Designated Institutional Official

August 23, 2011



2010 – 2011 Annual Report on Graduate Medical Education

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2010 – 2011 Annual Report on Graduate Medical Education
University of Tennessee College of Medicine Chattanooga
August 23, 2011

Robert C. Fore, EdD, FACME, CCMEP
Associate Dean for Academic Affairs and
Designated Institutional Official (DIO)

Rationale

Pursuant to the Accreditation Council for Graduate Medical Education (ACGME) institutional requirements, the following information is submitted as an Annual Report from the Designated Institutional Official (DIO) for academic year July 2010 – June 2011. The ACGME requirement states that the DIO present an annual report to the organized medical staff and the governing body of the major participating JCAHO-accredited hospitals in which Graduate Medical Education programs of the Sponsoring Institutions are conducted. The report must review activities of the Graduate Medical Education Committee (GMEC) during the year with attention to, at a minimum, Resident supervision, Resident responsibilities, Resident evaluation, compliance with duty hour standards, and Resident participation in safety and quality of care.

Description of the Sponsoring Institution and Organizational Structure

The University of Tennessee Health Science Center and its College of Medicine sponsor a Statewide Graduate Medical Education (GME) System with training sites in Memphis, Jackson, Nashville, Knoxville, and Chattanooga. Due to the size of the programs and their distances from the main medical school in Memphis, the Chattanooga and Knoxville sites are separately accredited to sponsor Residency education by the Accreditation Council for Graduate Medical Education (ACGME). The University of Tennessee College of Medicine Chattanooga (UTCOCMC) has been a major component of the University of Tennessee College of Medicine since 1973. The UTCOCMC is an academic center that has been accredited as the sponsoring institution for medical education programs at its major affiliated training site, Erlanger Health System – the area’s recognized leader in health care. The UTCOCMC mission is to provide quality medical education, patient care, research, and community service, emphasizing the following: medical student education, graduate medical education, continuing medical education, patient care and quality improvement, evidence-based medicine, patient safety, scholarly activity, and community involvement. The UTCOCMC is the sponsoring institution for a total of 14 accredited Residency and Fellowship programs and one non-accredited Fellowship in Orthopaedic Trauma Surgery. Appendix 1 is an updated organizational chart detailing the administrative structure of the UTCOCMC.

The 2010-2011 programs have continued to grow and trained 164 individual Residents and Fellows. The chief executive officer for UTCOCMC is the Dean, who reports directly to the Executive Dean of the UT College of Medicine. Deans at each campus (Memphis, Knoxville, and Chattanooga) report to the Executive Dean for the College of Medicine, and ultimately report to the UTHSC Chancellor. The Chattanooga Associate Dean for Academic Affairs, Robert C. Fore, EdD, FACME, CCMEP, also serves as the Designated Institutional Official (DIO) for Chattanooga and reports directly to the UTCOCMC Dean. Working with the Dean and

DIO to provide oversight for medical education programs are the Graduate Medical Education Committee (GMEC) and the Director of Graduate and Medical Student Education. Assistant Dean for Clinical Affairs, Louis Lambiase, MD, also reports to the Dean in Chattanooga. UTCOMC Chairs report directly to the Dean in Chattanooga. Chairs either serve as Program Directors or appoint separate Program Directors, with the approval of the Dean, Associate Dean for Academic Affairs, and GMEC, for their accredited Residency and Fellowship programs.

Program Leadership (2010-2011):

Department	Program	Chair	Program Director	Associate Program Director
Emergency Medicine	Emergency Medicine Residency	James H. Creel, Jr, MD, FACEP, Interim Chair, Department of Emergency Medicine	Same	Anuj A. Parikh, MD
Family Medicine	Family Medicine Residency	J. Mack Worthington, MD, FAAFP	Stephen M. Adams, MD	
Family Medicine	Geriatric Fellowship	J. Mack Worthington, MD, FAAFP (Chair, Department of Family Medicine)	Same	
Medicine	Internal Medicine Residency	Mukta Panda, MD, FACP	Lisa J. Staton, MD	Catherine Payne, MD, FHM
Medicine	Hospice/Palliative Care Fellowship	Mukta Panda, MD, FACP, (Chair, Department of Medicine)	Valencia Clay, MD	
Obstetrics/Gynecology	OB/GYN Residency	Paul Stumpf, MD, FACOG	Shawn Stallings, MD	
Orthopaedic Surgery	Orthopaedic Surgery Residency	Richard G. Alvarez, MD	W. Michael Tew, MD	
Orthopaedic Surgery	Orthopaedic Trauma Fellowship (non-accredited by choice)	Richard G. Alvarez, MD	Pete Nowotarski, MD	

Program Leadership (Continued)

Department	Program	Chair	Program Director	Associate Program Director
Pathology	None	Richard Hessler, MD		
Pediatrics	Pediatrics Residency	Alan Kohrt, MD, FAAP	Janara J. Huff, MD	
Plastic Surgery	Plastic Surgery Residency	Larry A. Sargent, MD, FACS, FAAP	Same	
Radiology	None	R. Kent Hutson, MD		
Surgery	Surgery Residency	R. Phillip Burns, MD, FACS	Joseph B. Cofer, MD, FACS	Richard A. Moore, MD, PhD, FACS, and Benjamin Dart, MD, FACS
Surgery	Colon and Rectal Surgery Fellowship	R. Phillip Burns, MD , FACS (Chair, Department of Surgery)	Richard A. Moore, MD, PhD, FACS	Daniel Stanley, MD, FACS
Surgery	Surgical Critical Care Fellowship	R. Phillip Burns, MD , FACS (Chair, Department of Surgery)	Robert A. Maxwell, MD, FACS	
Surgery	Vascular Surgery Fellowship	R. Phillip Burns, MD, FACS (Chair, Department of Surgery)	L. Richard Sprouse, MD, FACS	

Free-Standing Program	Program Sponsors	Program Director	Associate Program Director
Transitional Year Residency	Internal Medicine and Pediatrics	Mukta Panda, MD, FACP	Jennifer Whitley Dooley, MD

Institutional and Program Accreditation (ACGME)

Institutional Accreditation

Previously, the Chattanooga Campus was awarded Continued Accreditation in the June 5, 2006 letter from the ACGME's Institutional Review Committee (IRC). The IRC granted the maximum accreditation cycle of five years until the next institutional site visit (originally scheduled for April 2011) and stated that it "acknowledges the vigorous and well-supported effort to improve effective institutional oversight of graduate medical education (GME). The Committee commends the institution administration, the Graduate Medical Education Committee (GMEC), and the Designated Institutional Official (DIO) in this effort. The IRC commends the institution for its best practices, particularly the Annual Research Methods Symposium as an effort to engage resources in the community. Based on the improvements noted by the IRC in this review, the annotated GMEC minutes have proven to be an effective resource for the DIO and GMEC. The IRC encourages the DIO and GMEC to continue these and all its efforts to support excellence in graduate medical education."

The ACGME conducted an institutional site visit at the UTCOMC on March 8, 2011. Results will be determined at the Institutional Review Committee meeting October 19-20, 2011, and Continued Accreditation is anticipated. Although led by DIO and Director of Graduate and Medical Student Education, several members of the GMEC were integrally involved in providing input and reviewing the final Institutional Review Document (IRD) before its submission in February:

Stephen M. Adams, MD, Program Director, Family Medicine Residency
Joseph B. Cofer, MD, FACS, Program Director, Surgery Residency
Mukta Panda, MD, FACP, Chair, Department of Medicine, and
Transitional Year Program Director
Larry A. Sargent, MD, Chair and Program Director, Department of Plastic Surgery
David C. Seaberg, MD, FACEP, CPE, Dean, UTCOMC

ACGME Field Surveyor, Dr. Barbara Bush, met with Dr. Fore, Dean Seaberg, Dr. Cy Huffman (Erlanger Chief Medical Officer), and Ms. Scott, as well as groups of six Program Directors who serve on the GMEC and 12 peer-selected Resident representatives:

Stephen M. Adams, MD, Program Director, Family Medicine
Joseph B. Cofer, MD, FACS, Program Director, Surgery
James H. Creel, Jr, MD, FACEP, Interim Chair and Program Director, Emergency Medicine
Shawn P. Stallings, MD, Program Director, OB/GYN
Lisa J. Staton, MD, FACP, Program Director, Internal Medicine
Mukta Panda, MD, FACP, Chair, Department of Medicine, and Transitional
Year Program Director
Paul Boerema, MD, PGY-2 Resident, Family Medicine
Chad Corrigan, MD, PGY-3 Resident, Orthopaedic Surgery
Jonathan Egly, MD, PGY-4 Chief Resident, OB/GYN
W. Heath Giles, MD, PGY-6 Chief Resident, Surgery
Leslie Griffin, MD, PGY-3 Family Medicine

Darren Hunt, MD, PGY-4 Surgery Resident (House Staff Association President)
Brett Krummert, MD, PGY-3 Chief Resident, Internal Medicine
Jason Nicely, MD, PGY-2 Resident, Emergency Medicine
Abby Holt Otto, PGY-3 Resident, OB/GYN
Stan Ragon, MD, PGY-3 Resident, Orthopaedic Surgery
W. Andrew Todd, DO, PGY-3 Chief Resident, Internal Medicine
Heather Whaley, MD, PGY-3 Chief Resident, Emergency Medicine

Program Accreditation

All Residency and Fellowship programs are accredited with the exception of the Orthopaedic Trauma Surgery Fellowship, and accreditation is not required for that subspecialty. All programs are funded through Erlanger and the UT College of Medicine except:

- Hospice and Palliative Care Fellowship funded by Hospice of Chattanooga and
- Orthopaedic Trauma Surgery Fellowship funded by the American Orthopaedic Association - Synthes, Inc.

Results of 2009-2010 Site Visits

After considering the Surgery Residency Program's response to a Proposed Probationary Accreditation Status, the Surgery Residency Review Committee granted Continued Accreditation, effective October 28, 2010. However, the RRC stipulated a one year accreditation cycle with a site visit anticipated in October 2011. The RRC has not yet notified the program regarding a specific date. Most of the sustained citations were regarding duty hour violations and monitoring which have now been adequately addressed and under close scrutiny by the Program Director and DIO.

The Surgery RRC also considered responses from leadership for a new Colon and Rectal Surgery Fellowship and rescinded all previous citations. The RRC granted Initial Accreditation effective July 1, 2010, with a two year accreditation cycle. The one-year Fellowship began with its first Fellow on July 1, 2011.

The Orthopaedic Surgery RRC granted Continued Accreditation to the Orthopaedic Surgery Residency effective June 18, 2010 with the maximum possible five year cycle, commending the program for its "demonstrated substantial compliance with the ACGME's requirements for Graduate Medical Education."

2010-2011 Site Visits

Five programs participated in site visits by the ACGME during 2010-2011:

1. Internal Medicine Residency (January 25, 2011)
2. Emergency Medicine Residency (January 26, 2011)
3. Vascular Surgery Fellowship (January 27, 2011)
4. Pediatrics Residency (March 9, 2011)
5. Surgical Critical Care Fellowship (March 10, 2011)

The Internal Medicine RRC granted Continued Accreditation to the program effective May 12, 2011, with the maximum possible five year cycle, and also commended the program for

its “demonstrated substantial compliance with the ACGME”’s requirements for Graduate Medical Education.”

The Surgery RRC granted Continued Accreditation to the Surgical Critical Care Fellowship effective June 23, 2011, with the maximum possible five year cycle. It “commended the program for its demonstrated substantial compliance with the ACGME”’s requirements for Graduate Medical Education.”

The Surgery RRC also granted Continued Accreditation to the Vascular Surgery Fellowship effective June 23, 2011, with the maximum possible five year cycle. It “commended the program for its demonstrated substantial compliance with the ACGME”’s requirements for Graduate Medical Education without citations.”

The institution is awaiting notification letters from the Emergency Medicine and Pediatrics RRC’s following their meetings—September 16-17, 2011 for Emergency Medicine and October 23-26, 2011.

Upcoming site visits are Surgery and OB/GYN (October 2011 or later); Family Medicine (November 30, 2011), and Hospice and Palliative Care (January 2011 or later).

All Program Information forms and documentation have been reviewed by the Dean, the Associate Dean/DIO, and Director of Graduate and Medical Student Education prior to their submission to the individual RRC’s. All correspondence between programs and RRC’s have also been reviewed by the GMEC.

Program Leadership Changes in 2011-2012

Paul G. Stumpf, MD, FACOG, joined the Department of Obstetrics and Gynecology as Chair after a national search on January 1, 2011. He brings expertise in leading three programs out of probationary accreditation status.

In mid-April 2011, John Standridge, MD, Program Director for the Geriatric Medicine Fellowship, resigned as Program Director and full-time Faculty in the Department of Family Medicine. In order to enable the Geriatric Fellow to complete training (Jul 31, 2011), the DIO and GMEC appointed J. Mack Worthington, MD, as the Fellowship Program Director. Dr. Worthington also serves as Chair of the Department of Family Medicine

Milestones

- Dean Seaberg appointed two new Department Chairs who assumed leadership positions in 2010-2011:
 - Richard G. Alvarez, MD, Professor and Chair for the Department of Orthopaedic Surgery
 - Paul G. Stumpf, MD, Professor and Chair, Department of Obstetrics and Gynecology

- The Emergency Medicine Residency has matured to its full complement of three levels of training with six to eight Residents at each level. The 2010-2011 academic year marks the 1st graduating class.
- Successful accreditation decisions were received for programs in Surgery, Colon and Rectal Surgery, Internal Medicine, Surgical Critical Care, and Vascular Surgery.
- Continued University funding has been provided for the Dean, David C. Seaberg, MD, FACEP, CPE, and Associate Dean, Robert C. Fore, EdD, FACME, CCEMP, to participate in the American Medical Association Section on Medical Schools. The University has also continued to fund the Director of Graduate and Medical Student Education, Pamela D. Scott, to participate in the Association for Hospital Medical Education and its Council for Administrative Directors of Medical Education. The Dean has continued to conduct regular leadership meetings with the Business Manager, Chairs, and Program Directors to ensure communication and oversight.
- Through extensive negotiation between the University and Erlanger, the new Faculty Practice Plan has been established to generate mission support for the UTCOMC and its faculty. The group has been named **UT – Erlanger Physicians** and encompasses Family Medicine, Internal Medicine, OB/GYN, Orthopaedic Surgery, and Pediatrics.
- Federal and local research grants in excess of \$5, 587,000 have been submitted by the campus.
- Currently there are six active grants being managed by the Office of Research. Current grants awarded total approximately \$ 2,585,000.
- The UTCOMC sponsored a successful Faculty and Resident Development Retreat (November 12, 2010) focusing on utilizing multi-source evaluations to gather measurable data, improving and standardizing evaluation instruments and metrics, as well as effective remediation for Residents and Fellows. Guest Speaker was Franklin Medio, PhD, nationally respected GME consultant formerly from the Medical University of South Carolina. Prior to the retreat, Dr. Fore and Ms. Scott worked with a Program Director Task Force to identify recommended, standard grading scales and evaluation tools.
- In accordance with accreditation requirements of the Liaison Committee for Medical Education (LCME), the Chattanooga Campus began training 3rd and 4th year students from the main medical school campus in Memphis at the end of Summer 2010 in the new Neurology and Psychiatry Clerkships. Three students are assigned to each four-week clerkship during four blocks of the year. Eleven total students participated in this experience during 2010-2011.
- The Institutional Core Curriculum and Faculty and Resident Development Sessions were combined into one series called “Healthcare Principles in Practice” (HPP). These are held once each month on the 2nd Tuesday from Noon – 1 PM in Erlanger Probasco Auditorium. Topics focus on non-specialty focused ACGME General Competencies (Patient Care, Interpersonal and Communication Skills, Practice-Based Learning and Improvement, Professionalism, and Systems-Based Practice) and include teaching and mentoring skills, recognizing and addressing fatigue and sleep deprivation, physician impairment, medical-legal issues, malpractice, evaluation models, medical ethics, patient safety, etc.
- The UTCOMC Chapter of the Gold Humanism Honor Society (GHHS) has continued to be led by Faculty advisors, Drs. Mukta Panda and Robert Fore, and liaison, Pamela Scott.

The 3rd annual GHHS induction ceremony was held on April 1, 2011, in conjunction with the Annual Harold Alper, MD, Humanitarian Award activities. Fifteen members of the Class of 2012 were inducted into the GHHS Chapter:

- Alexander Albert Boucher
 - Elizabeth Noble Case
 - Whitney Ann Cesari
 - Catherine Foard Coffman
 - Aaron Todd Creek
 - William Frederick Ergen
 - Sarah Pierrepont Matthews
 - Adelke Oni
 - Joseph Pietrangelo
 - Katherine Suzanne Redding
 - Charles Patrick Shahan
 - Chrisanto Morton Torres
 - Kimberly Ann Hunt
 - Kenneth Lewoczko
 - Andrew Wodowski
- The Alper endowment funded the guest speaker for the 4th Annual Harold Alper, MD, Humanitarian Series and Award – Yolanda Wimberly, MD, Assistant Dean for Graduate Medical Education and Designated Institutional Office for Meharry Medical College in Nashville, Tennessee. Her topics were “The Human Touch: Do We Still Have It” and “Preserving Humanism in Medicine.” Eighteen Residents and Fellows in their final year of training at the UTCOMC were nominated for the award:
 - Alicia Andrews, DO (Pediatrics, PGY-3 Resident)
 - Ron Buchheit, MD (Emergency Medicine, PGY-3 Resident)
 - Susanna Carter, MD (Obstetrics and Gynecology, PGY-4 Chief Resident)
 - Christine Chhakchhuak, MD (Internal Medicine, PGY-3 Resident)
 - Brandon Cincere, MD (Orthopaedic Surgery, PGY-5 Chief Resident)
 - Joe Furr, MD (Internal Medicine, PGY-3 Resident)
 - W. Heath Giles, MD (Surgery, PGY-6 Chief Resident)
 - Leslie Griffin, MD (Family Medicine, PGY-3 Resident)
 - Andrew Hester, MD (Orthopaedic Surgery, PGY-5 Chief Resident)
 - Jason Joseph, MD (Obstetrics and Gynecology, PGY-4 Chief Resident)
 - Erin Kinney, MD (Transitional Year, PGY-1 Resident)
 - Brett Krummert, MD (Internal Medicine, PGY-3 Chief Resident)
 - Alexandra Martin, MD (Pediatrics, PL-3 Resident)
 - Paul Papillion, MD (Surgery, PGY-6 Chief Resident)
 - W. Stan Ragon, MD (Orthopaedic Surgery, PGY-5 Resident)
 - Philip Scherer, MD (Transitional Year, PGY-1)
 - Bradley Thomas, MD (Surgery, PGY-6 Chief Resident)
 - W. Andrew Todd, DO (Internal Medicine, PGY-3 Chief Resident) – Dr. Todd was named the recipient of the 2011 Harold Alper, MD, Humanitarian Award.
 - The 3rd Annual History of Medicine Symposium was held at Probasco Auditorium on October 7, 2010. Among a wide range of topics, Dr. Fore detailed the history and findings surrounding the autopsy of President Abraham Lincoln from the perspective of a young surgeon who assisted.
 - The expanded Clinical Skills and Simulation Center provides inter-disciplinary medical training in a high-fidelity simulated environment. The focus has not only been on the

procedural skill education, but will include training for communication, teamwork, patient safety, and infection control skills among various healthcare providers. Simulated code training can be managed in the Simulation Center and have been conducted within Erlanger on patient floors. These activities have been supervised The Baroness Foundation awarded a small grant to enable curriculum development for these scenarios.

- Monthly training sessions for the UTCOMC website maintenance have continued for administrative staff and Faculty from individual departments. These have been conducted by Sally Caldwell, MBA, Director of Continuing Medical Education, and Pam Scott, Director for Graduate and Medical Student Education. In addition, Ms. Scott had also directed training sessions twice each month for administrative staff who manage Residency information, including duty hours, demographics, and evaluations, via the web-based software, New Innovations Residency Management Suite.

Graduate Medical Education Filled Positions

- 2003-2004: 138 Residents and Fellows
- 2004-2005: 141 Residents and Fellows
- 2005-2006: 141 Residents and Fellows
- 2006-2007: 146 Residents and Fellows
- 2007-2008: 147 Residents and Fellows
- 2008-2009: 152 Residents and Fellows
- 2009-2010: 157 Residents and Fellows
- 2010-2011: 164 Residents and Fellows

Breakdown of filled positions by program (2010-2011)

Program	FTE's
Emergency Medicine	19
Family Medicine	18
Geriatric Medicine Fellowship	1
Internal Medicine	29
Hospice and Palliative Medicine (program funded by Hospice of Chattanooga)	1
Obstetrics and Gynecology	15
Orthopaedic Surgery	15
Orthopaedic Trauma Surgery (Fellow funded by Synthes)	1
Pediatrics	24
Plastic Surgery	4
Surgery	30
Surgical Critical Care	1
Transitional Year	6
Vascular Surgery	2

As evidenced by the table above, UTCOMC Graduate Medical Education Programs have continued to grow, primarily due to funding and support from both the University and Erlanger.

The 2010-2011 recruiting season was extremely successful. Programs filled all available positions via the National Resident Matching Program, Specialty Matching Programs, and by offering a limited number of pre-match positions to qualified applicants (physicians who had already graduated from U.S. and international medical schools and outstanding osteopathic candidates). Over one 3rd of the incoming 2011-2012 Residents and Fellows were recruited applicants who rotated in Chattanooga as students during the last two years of medical school. The University continues to acknowledge Erlanger financial support for Resident recruiting, particularly for primary care Residency programs (Family Medicine, Internal Medicine, and Pediatrics).

Graduate Medical Education Committee

The ACGME requires that an administrative system be in place in each sponsoring institution that includes a Graduate Medical Education Committee (GMEC) to provide oversight for its Residency and Fellowship programs. The Chattanooga GMEC meets ten times each year to fulfill these responsibilities. The GMEC is chaired by the Associate Dean/DIO. Department Chairs and Residency Program Directors from each department or program (listed above) are members. Other members include:

- Dean
- House Staff Association Officers (Residents)
- Peer-selected Resident or Fellow representatives from each department
- Erlanger Chief Medical Officer
- Erlanger Administrative Representatives (President/CEO and Senior Vice President for Planning)
- Director of Graduate and Medical Student Education
- Associate General Counsel for the University of Tennessee (ex-officio)
- Business Manager (Faculty and Finance) (ex-officio)
- Director of Research (Ex-Officio)

Participation of Erlanger Administration, Chairs of ancillary clinical departments (e.g., Radiology), and Resident representatives from each program supports communication and provides appropriate hospital administrative representation and Resident involvement in policy decisions.

The GMEC has carried out its responsibilities as required by the ACGME:

- Establish and implement policies and procedures regarding the quality of education and the work environment for the Residents in all ACGME-accredited programs.
- Review annually and make recommendations to the Sponsoring Institution on Resident stipends, benefits, and funding for Resident positions to assure that these are reasonable and fair.
- Establish and maintain appropriate oversight of and liaison with Program Directors and assure that Program Directors establish and maintain proper oversight of and liaison with appropriate personnel of other institutions participating in ACGME-accredited programs of the Sponsoring Institution.

- Establish and implement formal written policies and procedures governing Resident duty hours in compliance with the Institutional and Program Requirements.
- Develop and implement procedures to regularly monitor Resident duty hours for compliance with the Sponsoring Institution's policies and the Institutional and Program Requirements.
- Develop and implement written procedures to review and endorse requests from programs prior to submission to an RRC for exceptions in the weekly limit on duty hours up to 10 percent or up to a maximum of 88 hours.
- Assure that ACGME-accredited programs provide appropriate supervision for all Residents that is consistent with proper patient care, the educational needs of Residents, and the applicable Program Requirements.
- Assure that each program provides a curriculum and an evaluation system to ensure that Residents demonstrate achievement of the six general competencies listed in Section III.E and as defined in each set of Program Requirements.
- Establish and implement formal written institutional policies for the selection, evaluation, promotion, and dismissal of Residents in compliance with the Institutional and Program Requirements.
- Review all ACGME program accreditation letters and monitor action plans for the correction of concerns and areas of noncompliance.
- Review the Sponsoring Institution's Letter of Report from the IRC and develop and monitor action plans for the correction of concerns and areas of noncompliance.
- Review and approve the following prior to submission to the ACGME:
 - all applications for ACGME accreditation of new programs and subspecialties;
 - changes in Resident complement;
 - major changes in program structure or length of training;
 - additions and deletions of participating institutions used in a program;
 - appointments of new Program Directors;
 - progress reports requested by any Review Committee;
 - responses to all proposed adverse actions;
 - requests for increases or any change in Resident duty hours;
 - requests for "inactive status" or to reactivate a program;
 - voluntary withdrawals of ACGME-accredited programs;
 - requests for an appeal of an adverse action; and,
 - appeal presentations to a Board of Appeal or the ACGME.
- Conduct internal reviews of all ACGME-accredited programs including subspecialty programs to assess their compliance with the Institutional Requirements and the Program Requirements of the ACGME Residency Review Committees.
- The GMEC also discusses Medical Student education issues and approves appointments of Associate Program Directors and Clerkship Directors.

ACGME General Competencies

Residents are considered both trainees and students of the Graduate Medical Education Program and are required to demonstrate competency in the six **General Competency** areas required by the Accreditation Council for Graduate Medical Education:

- **Patient Care**
- **Medical Knowledge**
- **Practice-Based Learning and Improvement**
- **Interpersonal and Communication Skills**
- **Professionalism**
- **Systems-Based Practice**

Residents must meet the following in order to continue in the program and successfully complete Residency training:

- Incremental increase in competency in **Patient Care** that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health; competency to perform all medical and invasive procedures considered essential for the area of practice (including identifying and performing invasive and non-invasive medical procedures; gathering critical information and data, whether in the form of History and Physicals or diagnostic testing; interpreting results; and knowledge of protocols);
- **Medical Knowledge** about established and evolving biomedical, clinical, and cognate (e.g. epidemiological and social-behavioral) sciences and the application of this knowledge to patient care and a willingness to teach and supervise others;
- **Practice-Based Learning and Improvement** that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, and improvements in patient care;
- **Clinical judgment** (including synthesizing data gathered from appropriate sources and applying the information and medical knowledge to a particular patient care situation, and the ability to respond to unpredictable treatment situations);
- **Technical skills** necessary to perform diagnostic, medical and surgical procedures and to deliver other forms of medical treatment;
- **Interpersonal and Communication Skills** (humanistic skills such as interacting with patients, peer Residents, Faculty, and other medical staff) that result in effective information exchange and teaming with patients, their families, and other health professionals. Receptivity to feedback and corrective action from Faculty and peers; and demonstrating concern for patients' well-being;
- **Professionalism**, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population (including attendance, punctuality, availability, and enthusiasm);
- **Systems-Based Practice**, as manifested by actions that demonstrate an awareness of and responsiveness to the larger context and system for health care and the ability to effectively call on system resources to provide care that is of optimal value (including adherence to institutional standards of conduct, rules and regulations, including program standards and hospital and clinic rules with respect to scheduling, charting, record-keeping, and delegations to medical staff).

Re-appointment and promotion to the subsequent year of training requires satisfactory, cumulative evaluations by program Faculty.

Programs have been directed by the ACGME and UTCOMC leadership to continue to adapt educational rotation goals and objectives by level of training and identify specific competencies

that correlate with each individual learning objective, as well as teaching methods and evaluation tools. All programs have completed the initial revision to include specific competencies with each objective, but this is an ongoing process as rotations and educational methods change and improve.

Internal Reviews

Internal reviews must be conducted at the approximate midpoint between site visits and within the overall cycle projected by the institution. Reports from internal review panels must be discussed and approved by the GMEC. Internal reviews have been conducted for the following programs during 2010-2011 as appropriate:

- Transitional Year (June 8, 2010 – presented to the GMEC August 24, 2010)
- Hospice and Palliative Medicine (June 4, 2010 – presented to the GMEC August 24, 2010)
- OB/GYN (November 5, 2010 – presented to the GMEC January 25, 2011)
- Surgery (June 6, 2011 – presented to the GMEC August 23, 2011)

Each of the Internal Review Panels was Chaired by the Associate Dean/DIO. The Erlanger Chief Medical Officer and Director of Graduate and Medical Student Education also served on each panel. Reports were presented to the GMEC as required by the ACGME Institutional Requirements.

Resident Supervision

Residents must provide care under appropriate Faculty supervision in accordance with institutional policy and ACGME requirements. The UTCOMC Resident Supervision Policy states that all Residents receive Faculty supervision at any of three levels when delivering patient care:

General supervision means that the care or procedure is conducted under the Faculty member's overall direction and control but the Faculty member's presence is not required at the time of care.

Direct supervision requires that the Faculty member must be in the unit or clinic and immediately available to furnish assistance and direction.

Personal supervision means that the Faculty member must be in attendance in the room during the procedure.

Faculty who provide this supervision are appropriately credentialed clinicians/physicians and members of the Erlanger Medical Staff. The Resident Supervision Policy has been approved by the GMEC and acknowledged by the Erlanger Medical Staff. Each Residency program annually provides a list of procedures that each Resident (either by name or PGY level) can perform under the specific levels of supervision. Resident responsibilities are limited only to those procedures and patient care activities authorized by the credentialed supervising Faculty member. The policy states that under no circumstances will a Resident examine a patient or perform an invasive procedure for any purpose other than for the benefit of the patient or to achieve a diagnosis. This policy extends to and includes patients who are near death or have expired.

Individual Resident procedures and supervision level information are available in real time to Residency programs, Erlanger Medical Staff, Nursing, and other Erlanger staff via a web-based

application system (New Innovations). The information has been entered as communicated by individual Residency programs and can be updated by Residency Coordinators. The information has continued to be monitored for the GMEC by the Director of Graduate and Medical Student Education.

Resident Responsibilities

The institution has identified the following as Resident responsibilities in Graduate Medical Education programs. These are included in the Resident Initial Letter of Appointment signed by each Resident and the institution upon appointment:

- Develop a personal program of self-study and professional growth with guidance from the teaching staff.
- Pass Step 3 of the United States Medical Licensing Examination (USMLE) [or the osteopathic equivalent if appropriate] to be eligible for re-appointment beyond the PGY-2 level in any UTCOMC program.
- Participate in safe, effective, and compassionate patient care under supervision, commensurate with their level of advancement and responsibility.
- Participate fully in the educational and scholarly activities of their program and, as required, assume responsibility for teaching and supervising other Residents and students.
- Participate fully in institutional programs and activities involving the medical staff and adhere to established practices, procedures, and policies of the Graduate Medical Education Program and policies of all affiliated hospitals, including the timely completion of medical records.
- Participate fully in institutional committees and councils, especially those that relate to patient care review activities.
- Participate fully in evaluation of the quality of education provided by the program.
- Develop an understanding of ethical, socioeconomic, and medical/legal issues that affect graduate medical education and how to apply cost containment measures in the provision of patient care.
- Apply cost containment measures in the provision of quality patient care.
- Refrain from and not engage in any outside remunerative employment of any sort without the prior approval of the respective department Chair or other designated departmental official.
- Abide by the instructions, orders, and directives of the department Chair under whom the Resident's services are performed.

Resident Evaluation

The sponsoring institution has approved and implemented policies on Resident evaluation (including Resident evaluation of Faculty, rotations, and the overall program). These policies meet the standards stipulated by the ACGME. In addition, each program is required to have program specific policies regarding these areas and adherence to these policies is closely monitored by the GMEC in periodic program internal reviews conducted between site visits. A formative evaluation form or instrument is required for each Resident which documents progress of the Resident in demonstrating competence in each of the six General Competencies specified by the ACGME. Written summary evaluations are documented at least twice annually for each Resident. A final summative evaluation covering the final training period is also

required as the Resident completes training and is recommended for board certification. These elements are reviewed in Resident files during internal reviews by the panel members and should also be reviewed by program leadership during annual department review.

In addition, the ACGME requires that Residents must be provided the opportunity to confidentially evaluate their Faculty, rotations, and the overall program (at least twice each year) in a system that is free from intimidation. The UTCOMC requires all programs to utilize the web-based New Innovations software system to provide online, totally anonymous evaluations for Residents to submit regarding Faculty and rotations. Program evaluations are completed semi-annually by Residents and Fellows and include 14 common questions about all programs. Summary reports of these Faculty and rotation evaluations are available to the Residency Coordinator and should be used in annual department reviews as well as Faculty evaluations. Problems identified by the Associate Dean/DIO are handled individually with the appropriate program leadership, maintaining the anonymity of the Residents providing ratings and comments

On behalf of the GMEC, the Associate Dean/DIO and the Director of Graduate and Medical Student Education have continued to monitor these reports. Residents have indicated through feedback to the Dean, Associate Dean/DIO, and GME Office that they are assured that the system is confidential and protects their anonymity, encouraging them to provide honest feedback. The Associate Dean and Director of GME have met with each program and compared evaluation instruments and rating scales used. A grid has been developed and has been reviewed and scrutinized by institutional leadership throughout the year.

Duty Hours

The ACGME requires that institutions and programs establish policies regarding appropriate duty hour standards and monitor adherence. The standards require that Residents must work no more than 80 hours per week (averaged over a four-week continuous period), must have at least ten hours between work assignments, must not be assigned overnight in-house call more than every 3rd night, and must have at least one day in seven free from clinical responsibilities (again averaged over a four-week continuous period). Our institution has established these policies and requires that each program adhere to them. Compliance is monitored by both the programs and the institution through the Associate Dean/DIO and Director of Graduate and Medical Student Education.

Web-based New Innovations Residency Management software has also provided an excellent mechanism for logging and monitoring each Resident's work hours. Residents are required to enter hours worked, denoting them as "regular duty," "in-house call," "post-call," "home called – called in", "home call – not called in," or "vacation/sick leave." Reports are easily retrieved by Residency Coordinators so problems can be quickly identified regarding work hour violations. Compliance has been very good among Residents and programs. Few violations of the 80-hour week are reported. Compliance has also been excellent regarding one day in seven free from duty and call no more frequently than every 3rd night. The most frequent problems noted have continued to be ensuring that each Resident has at least 10 hours free between each work assignment. Duty hour questions are also included in the rotation and program evaluations for each program. Although compliance with duty hours can be especially difficult at times in the surgical fields, overall compliance has been good throughout programs.

The most recent 2010-2011 ACGME Resident Survey conducted among our Surgery Residents showed marked improvement and no violations within recent months. The GMEC has reviewed all ACGME Resident Survey results as they are released the year. In particular, the Department of Surgery and UTCOMC institutional leadership have continued to work to reduce duty hours violations and to work with Erlanger administration to recommend innovative solutions such as the addition of physician extenders to handle workloads currently performed by Surgery Residents.

Patient Safety and Quality Improvement

The sponsoring institution, UTCOMC, ensures that formal quality improvement (*QI*) activities are conducted involving Residents, Faculty, and other health care personnel. The GMEC has continued to verify that each program is involved in reviewing patient complications and deaths through conferences including Mortality and Morbidity (*M & M*) and other *QI* activities (*e.g.*, Resident and Faculty participation in departmental and hospital committees) and special initiatives. Each Residency program is conducting program-specific educational activities that deal with *QI* and performance improvement such as Grand Rounds, didactic lectures, and a review of complications and deaths at *M & M* conferences. Quality improvement and medical care processes are discussed during these conferences and are a required component of the overall GME system. Changes in current practices or protocols are frequently altered as a result of these discussions.

In order to ensure appropriate institution-level involvement and oversight, the Dean and Associate Dean/DIO participate through several key hospital committees and councils that deal with peer review and *QI* activities: Erlanger Executive Leadership Council (Dean), Medical Executive Committee (Dean), Erlanger Quality Oversight Committee (Associate Dean), Erlanger Joint Conference and Accreditation Committee (Dean), Hospital Authority Board meetings (Dean); and Medical Ethics Committee (Associate Dean). Each Erlanger clinical department has an active performance improvement committee. Chairs and/or their designees, key Faculty, and Residents participate in the hospital's overall quality improvement programs and Medical Quality Improvement Committees (*MQICs*). When problems and processes that involve Residents are identified by the *MQICs*, the system ensures that Residents are involved with the evaluation, development, and implementation of patient care solutions. T.C. Thompson Children's Hospital includes both Pediatric Faculty and Residents in its TCTCH Clinical Quality Oversight Committee that deals with issues to improve overall patient care and safety processes. Resident orientation and Healthcare Principles in Practice sessions continue to include topics related to patient safety, medical ethics, and quality improvement.

Faculty and Residents continue to be involved in the hospital's Process Improvement Core Measures Groups including a Best Demonstrated Practices (BDP) Steering Committee and four focused Core Measures Groups whose goals are to identify process problems and develop solutions to improve patient care and outcomes. Residents also participate in several of the Core Measures Groups. Erlanger has continued as one of 250+ hospitals nationwide participating in the American College of Surgeon's *NSQIP*. This project involves collection of data on general and vascular surgical patients to monitor outcomes and direct quality improvement. Surgery

Residency Program Director, Joseph Cofer, MD, has continued his leadership in Tennessee for NSQIP.

Below is an excerpt from the 2011 Institutional Review Document regarding current efforts to ensure and monitor Resident involvement and education in patient safety and quality improvement:

- 1. UTCOMC and Erlanger have established an Institute for Healthcare Improvement (IHI) Open School Chapter for Health Professions. This is an inter-professional educational community that gives students the skills to become change agents in health care improvement. These skills include proficiency in quality improvement, patient safety, teamwork, leadership, and patient-centered care. Our Chapter involves Residents and Fellows from all specialties, Medical Students, nursing, University and Erlanger administration, and Faculty. Lectures have been presented on process improvement methodology using FOCUS-PDSA cycles. Residents have also presented quality improvement projects that they have completed using this methodology. Through its website (www.ihl.org), the IHI provides online courses and resources to guide physicians and health care workers committed to safe, patient centered, quality medical care. Courses include PS 100: Introduction to Patient Safety; PS 101: Fundamentals of Patient Safety; PS102: Human Factors and Safety; PS 103: Teamwork and Communication; PS 104: Root Cause and Systems Analysis; PS 105: Communicating with Patients after Adverse Events; QI 101: Fundamentals of Improvement; QI 102: The Model for Improvement – Your Engine for Change; QI 103: Measuring the Improvement; QI 104 Putting It All Together – How Quality Improvement Works in Real Health Care Settings; QI 105: The Human Side of Quality Improvement; QI 106; Level 100 Tools. Open School participants are given “homework” assignments, and discussions are held during the meetings regarding various patient safety and quality improvement initiatives and projects within our departments and the hospital. Monthly Chapter meetings are conducted at Erlanger under the direction of designated Faculty and Resident leaders from the Department of Medicine, the DIO, and the Erlanger Chief Medical Officer. The Dean and GMEC determined that each department is required to send at least one Faculty and one Resident representative to the monthly IHI Open School meetings. Next year, each department will be required to give a presentation, using the CUSP template, regarding a quality improvement project that has been accomplished by the department. “**CUSP**” stands for: **C**larify the current process; **U**nderstand sources of variation; **S**elect process changes; **P**lan to change a process. Erlanger has funded Chapter Leaders (Faculty and Residents) to attend IHI national meetings. Administration and Erlanger Quality Improvement staff are integrally involved in these initiatives.*
- 2. The Director of Graduate and Medical Student Education purchased the SAFER (Sleep, Alertness, and Fatigue Education in Residency) program from the Academy for Sleep Medicine in order to provide resource materials to individual programs and to ensure that efforts are made to provide education to Residents, Fellows, and Faculty regarding the effect of lack of sleep and fatigue on physician performance and patient safety. The educational program developed by the ASM and the University of New Mexico and is a recognized standard across the country. The GMEC supports the annual required SAFER lecture as part of the Healthcare Principles in Practice series. In addition, as part of required*

orientation, new Residents and Fellows are required to complete an online training module regarding additional sleep and fatigue education. The GMEC delegated compliance monitoring to the Office of Graduate Medical Education.

3. *The Department of Surgery and Erlanger are among more than 250 hospitals in the American College of Surgeons National Surgical Quality Improvement Project (NSQIP). This project involves data collection of 135 variables for general and vascular surgery patients to monitor outcomes and direct quality improvement.*
4. *The GMEC established a policy requiring all incoming Residents and Fellows to secure Basic Life Support (BLS) certification prior to entering our GME Programs or during orientation in the last two weeks of June. All incoming Residents and Fellows (except Pediatrics) must also obtain Advanced Cardiac Life Support (ACLS) certification before entering the program. Emergency Medicine, Family Medicine, and Pediatrics Residents must obtain Pediatric Advanced Life Support (PALS) certification before entering training. All incoming Surgery and Orthopaedic Surgery Residents must obtain Advanced Trauma Life Support (ATLS) certification before entering training. These courses, manuals, and fees are provided by the University and Erlanger as part of orientation. The policy also requires that Residents maintain their certification, and courses are made available to Residents and Fellows at several times during the year.*
5. *The Clinical Simulation Center has developed mock code sessions that can be carried out in the Sim Center as well as in the hospital using the high-fidelity SimMan 3G mannequin in order to train Residents, Faculty, and Nursing staff in requisite patient care and safety skills involved in a mega code. Sessions can be recorded and critiqued to optimize feedback in real time and to significantly impact adult learners.*

Faculty Leadership, Honors, and Presentations

- **R. Phillip Burns, MD:** Dr. Burns, Chair of the Department of Surgery, was named the 2011 recipient of the Distinguished Service Award (February 13, 2011) by the Southeastern Surgical Congress, an organization founded forty-three years ago. The SSC provides opportunities for surgeons and surgeons-in-training to come together for educational, scientific, and social purposes to promote and advance the student and practice of surgery. Dr. Burns is the 20th person honored by the Congress.
- **Channappa Chandra, MD:** Dr. Chandra, Vice Chair of the Department of Orthopaedic Surgery, was appointed to the Tennessee Medical Association Board of Trustees and Appointments Committee for next year.
- **Annamaria Church, MD:** Dr. Church, Associate Professor in the Department of Pediatrics and Chief of the Division of General Pediatrics, led a workshop on “The medical evaluation – who, what, when, and why” at the 7th Annual Connecting for Children’s Justice Conference in Nashville, Tennessee (November 21-23, 2011).
- **Joseph B. Cofer, MD:** Dr. Cofer, Surgery Residency Program Director, has recently been named Vice Chairman-Elect of the American Board of Surgeons for 2011. He holds numerous other leadership positions as past President of the Association of Surgery Program Directors, Chair of the local Project Access community outreach program helping low-income Hamilton County families who are not eligible for insurance or other health coverage, and is a Director of the American Board of Surgery. In 2010, Dr. Cofer was elected to serve on the Executive Committee of the American Board of Surgery. He

also led/moderated the Tennessee Surgical Quality Collaborative during the 2010 Tennessee State Chapter meeting of the American College of Surgeons (ACS). He presented data from this meeting at the ACS NSQIP National Conference (July 25, 2010) in Chicago, Illinois. Dr. Cofer was 1st author with former Surgery Resident, Hans Burkholder, MD, and **Research Assistant, Tommy Petros, MD**, for a poster at the Southeastern Surgical Congress meeting in Chattanooga (February 13 – 15, 2011). The topic was “General surgery at rural Tennessee hospitals: a survey of rural Tennessee hospital administrators.”

- **James H. Creel, Jr, MD:** Dr. Creel, Interim Chair for the Department of Emergency Medicine and Residency Program Director, was recognized by Tennessee Governor Phil Bredesen and Hamilton County Major Claude Ramsey for his acts of heroism and community service in his work with the County Emergency Operations Center and emergency responders (January 5, 2011). Dr. Creel was also named Emergency Medical Service Medical Director of the Year and received the Tennessee Ambulance Association Dr. C. Robert Clark EMS Award.
- **Francis Fesmire, MD:** Dr. Fesmire, Professor, Department of Emergency Medicine, gave an oral presentation at the T5th Annual Scientific Assembly of the Tennessee College of Emergency Physicians (TNCEP) in Chattanooga (March 28-29, 2011). His topic was “EKG findings you don’t want to miss.”
- **Robert C. Fore, EdD:** Dr. Fore, Associate Dean for Academic Affairs, was recognized for by the University of Georgia (April 21, 2011) with its 2011 Distinguished Alumnus Lifetime Achievement Award for outstanding success and significant impact in his field. Dr. Fore is also an Emeritus Director of the Georgia Center for Oncology- Research and Education. He has been appointed a peer reviewer for the Journal of Graduate Medical Education, a new ACGME publication. Dr. Fore also completed the three-part GME Leadership Program sponsored by the Association of American Medical Colleges (AAMC). Throughout the year, Dr. Fore has chaired several national accreditation surveys for the Accreditation Council for Continuing Medical Education.
- **Eric Gratias, MD:** Dr. Gratias, Pediatric Hematology/Oncology Faculty and Chair of the Chattanooga Campus Scientific Review Committee, was appointed Vice Chair of the Children’s Oncology Group Study AREN03B2, Renal Tumors Classification, Biology, and Banking Study (October 19, 2010). He is now one of three investigators worldwide who are responsible for coordinating central review of surgery, radiology, and pathology and performing risk assessment.
- **Marvin N. Hall, MD:** Dr. Hall, Assistant Professor in the Department of Pediatrics and Pediatric Intensivist, was designated a Certified Physician Executive (CPE) by the Certifying Commission in Medical Management (CCMM). This organization is chartered by the American College of Physicians Executives and is recognized by the American Medical Association as the specialty society representing physicians in management.
- **Victor Kolade, MD:** Dr. Kolade, Core Faculty in the Department of Medicine, presented a poster entitled, “Vaccine-related adverse events in the USA: a need for an integrated open global surveillance system,” at the Global Health Metrics and Evaluation (GHME) Conference in Seattle, Washington (March 14 – 16, 2011).
- **Shauna Lorenzo-Rivero, MD; Richard Moore, MD, PhD; and J. Daniel Stanley, MD:** Drs. Lorenzo-Rivero, Moore, and Stanley, all Surgery Faculty and Colon and

Rectal Surgery faculty, gave a poster presentation at the Southeastern Surgical Congress meeting in Chattanooga (February 13 – 15, 2011). The topic was, “Closure of a gastrocutaneous fistula using autologous blood product sealant.”

- **Robert Maxwell, MD:** Dr. Maxwell, Program Director for the Surgical Critical Care Fellowship, presented a poster with **UTHSC Medical Student, Jae Kao**, at the Southeastern Surgical Congress meeting in Chattanooga (February 13 – 15, 2011). The topic was “Biventricular injury with cardiac tamponade following blunt chest injury.”
- **Sudave Mendiratta, MD:** Dr. Mendiratta, Associate Program Director for the Emergency Medicine Residency, gave an oral presentation at the Fifteenth Annual Scientific Assembly of the Tennessee College of Emergency Physicians (TNCEP) in Chattanooga (March 28 – 29, 2011). The topic was, “Interactive case review.”
- **Chris Moore, MD:** Dr. Moore, Emergency Medicine Faculty, gave an oral presentation on “Doctor vs. wild: wilderness medicine survival,” at the Fifteenth Annual Scientific Assembly of the Tennessee College of Emergency Physicians (TNCEP) in Chattanooga (March 28 – 29, 2011).
- **James M. Osborn, MD:** Dr. Osborn, Clinical Instructor in the Department of Orthopaedic Surgery (Spine Surgery), received the Tennessee Medical Association’s Distinguished Service Award at the TME Board of Delegates annual meeting (April 16, 2011). Dr. Osborn and his wife are co-founders of the Austin Hatcher Foundation for Pediatric Cancer which recently opened Hatcher’s House of Hope in Chattanooga. The Foundation provides services to children with cancer as well as their families at no cost. They are funded solely by donations from supporters.
- **Mukta Panda, MD, and Jennifer Whitley, MD:** Dr. Panda, Chair of the Department of Medicine and Transitional Year Program Director, and Dr. Whitley, Associate Program Director for the Transitional Year Program, were invited to present their work on “Fatigue, Stress, and Burnout Prevention in Healthcare Professionals” at the International Conference on Communication in Healthcare in Verona, Italy (September 2010). The project was accomplished in collaboration with Christopher Cunningham, PhD (UTC Department of Industrial and Organizational Psychology) and Suzanna Markowski (University of Massachusetts). Dr. Panda has been selected to receive an international award from the NRI Welfare Society of India – the 2011 Hind Rattan Award. This honor is reserved for citizens from India who have made a global impact in their field and have made a lasting benefit on their home country. **Dr. Panda** also presented at the 2010 Arnold P. Gold Humanism Honor Society biennial meeting in Dallas, Texas (October 7-10, 2010) for her work on “RRRR – Relaxing, Rejuvenating, Rejoicing in Residency.” Dr. Panda was also a co-author and mentor for **Medical Student (M-3) Whitney Cesari**, and **Christy Stewart, MD, PGY-1 Internal Medicine Resident** for a poster presented at the 42nd Annual Southern Regional Meeting of the Society General Internal Medicine in New Orleans, Louisiana (February 17-19, 2011). The topic was, “Getting to the heart of rectal bleeding: subacute bacterial endocarditis presenting as shortness of breath and anemia.” **Dr. Panda** was nominated by UTHSC Student Government Association Executive Teaching Council (SGAEC) for consideration for the 19th annual Excellence in Teaching Awards. These awards recognize faculty for their outstanding teaching and genuine concern for students. She was the only Chattanooga Faculty member recognized for 2011. **Dr. Panda** was also recognized nationally by the ACGME as an outstanding Program Director. As a past

Parker Palmer Courage to Teach Award, she was one of nine faculty selected in 2011 to served on the Parker Palmer Retreat Planning Committee. She was able to meet with Parker J. Palmer, a sociologist and educator who wrote, *The Courage to Teach*, about the intellectual, emotional, and spiritual aspects of teaching.

- **Anuj Parikh, MD:** Dr. Parikh, Associate Program Director for the Emergency Medicine Residency, gave an oral presentation on, “Sickle cell management,” at the Fifteenth Annual Scientific Assembly of the Tennessee College of Emergency Physicians (TNCEP) in Chattanooga (March 28 – 29, 2011).
- **Mark K. Parsons, MD;** Dr. Parsons, Assistant Professor in the Department of Pediatrics (Cardiology), was recognized by Dean Seaberg and Dr. Alan Kohrt, Chair of the Department of Pediatrics and Senior Vice President for Children’s Hospital at Erlanger, for his long-standing contribution to the care of children with heart disease in Chattanooga, as well as his exemplary teaching of resident physicians.
- **English Rockholt, MD:** Dr. Rockholt, Assistant Professor for the Department of OB/GYN has received an Excellence in Teaching Award from the Association of Professors of Gynecology and Obstetrics (APGO).
- **Mark Rowin, MD:** Dr. Rowin, Associate Professor in the Department of Pediatrics, was selected as a recipient of the Society of Critical Care Medicine Presidential Citations for extraordinary contributions of time, energy, and resources to the SCCM in 2010.
- **Cindy Rudolph, MS:** Ms. Rudolph, Surgery Residency Program Manager, gave an oral presentation at the 2nd Annual meeting of the Association of Vascular Surgery Coordinators in Chicago, Illinois (March 25 – 26, 2011). Her topic was, “Rolling calendar, or times flies when you’re having fun.”
- **David C. Seaberg, MD:** Dr. Seaberg, Dean for the Chattanooga Campus, was elected as the President Elect of the American College of Emergency Physicians (ACEP) at the annual meeting in Las Vegas (September 2010). He has been a member of ACEP for 25 years and has served on the ACEP Board of Directors since 2005. Dr. Seaberg also gave an oral presentation entitled, “ACEP Update,” at the Fifteenth Annual Scientific Assembly of the Tennessee College of Emergency Physicians (TNCEP) in Chattanooga (March 28 – 29, 2011).
- **James Sizemore, MD:** Dr. Sizemore, Internal Medicine Faculty (Infectious Diseases), presented “Antibiotics, resistant organisms, and stewardship” at the 2010 Tennessee Chapter Scientific Meeting of the American College of Physicians (ACP) in Memphis, Tennessee (September 16-18, 2010).
- **Benjamin Smith, MD:** Dr. Smith, Core Faculty in Emergency Medicine, gave an oral presentation “Ultrasound,” at the Fifteenth Annual Scientific Assembly of the Tennessee College of Emergency Physicians (TNCEP) in Chattanooga (March 28 – 29, 2011).
- **John B. Standridge, MD:** Dr. Standridge, Geriatric Medicine Fellowship Program Director and Family Medicine Faculty member, presented a poster on “Translating and communicating the mechanisms of Alzheimer’s Disease to practicing physicians” at the Alzheimer’s Association International Conference on Alzheimer’s Disease in Honolulu, Hawaii (July 2010). **Dr. Standridge also presented a poster**, “The state of geriatrics education in the United States – the 1st five years’ experience in a geriatric medicine residency program,” at the 6th Congress of the European Union Geriatric Medicine Society in Dublin, Ireland (September 2010).

- **Cathy Stevens, MD:** Dr. Stevens, Geneticist and Pediatrics Clerkship Director, presented her paper, “Adults with Rubinstein-Taybi syndrome” at the David W. Smith Workshop on Malformations and Morphogenesis in Seattle, Washington (August 2010). **Dr. Stevens** also gave a poster presentation entitled, “Further characterization of the duplication of 16p13.11 disease phenotype,” at the 2011 American College of Medical Genetics Meeting in Vancouver, British Columbia (March 16 – 20, 2011).
- **Mihal Subtirelu, MD:** Dr. Subtirelu, Assistant Professor in the Department of Pediatrics, passed the American Society of Hypertension (ASH) Specialists Examination. The Program was formed by the ASH in 1998 for the specific purpose of identifying and recognizing physicians with expert skills and knowledge in the management of clinical hypertension and related disorders. As of 2010, designation had been granted to only 1,240 physicians practicing in the U.S., Canada, and other countries.
- **James Tumlin, MD:** Dr. Tumlin, Internal Medicine Faculty member (Nephrology), in collaboration with several external faculty, presented two topics at the American Society of Nephrology (ASN) 43rd Annual Meeting and Scientific Exposition in Denver, Colorado (November 15, 2010). Topics were, “Safety and efficacy of acthar gel (ACTH) on albuminuria and progression of diabetic nephropathy in patients with nephritic range proteinuria – a randomized prospective study,” and “Serial PTA of dialysis access – comparative responsiveness of AVF and AVG venous outflow tracts to repeated angioplasty.”

Faculty distribution

Full-Time/Part Time	101
<u>Clinical/Affiliated</u>	<u>342</u>
TOTAL	443

*Some Faculty have Faculty appointments in multiple departments

Twelve faculty were promoted effective July 1, 2010 in the Departments of Medicine (Rheumatology, Neurology, Hospitalist Medicine), Emergency Medicine, Family Medicine, OB/GYN, Orthopaedic Surgery, Pediatrics, and Surgery.

Resident Leadership, Honors, and Presentations

- **Dimple Bosu, MD PGY-2 Internal Medicine Resident, and Christine Chhakchhuak, MD, PGY-3 Internal Medicine Resident:** Presented a poster at the 11th Annual Southern Hospital Conference in Atlanta, Georgia (October 21, 2011) on “Oxygen – the good friend gone bad.” Faculty co-authors were **Victor Kolade, MD, and Lisa Staton, MD.**
- **Angel Brown, MD, PGY-2 Internal Medicine Resident:** Dr. Brown led efforts for the UTCOMC Internal Medicine and Transitional Year Residents, Faculty and Clinic Staff to participate in the Chattanooga Minority Health Fair, “Empower and Educate Minorities to Close the Health Gap”(August 21, 2010). Participating faculty included **Drs. Lisa Staton, Mukta Panda, Avni Kapadia, Michael Geer, and Susan Rashchal,**

as well as Nurse Margaret Calloway. Dr. Brown also presented a poster and round table mining session on “RRRR – Relaxing, Rejuvenating, Rejoicing in Residency” at the Arnold P. Gold Humanism Honor Society biennial meeting in Dallas, Texas (October 7-10, 2010) with **Ramya Embar Srinivasan, MD, PGY-1 Transitional Year Resident**, and **Mukta Panda, MD, Chair of the Department of Medicine and Transitional Year Program Director**.

- **Christine Chhakchhuak, MD, PGY-3 Internal Medicine Resident:** Presented a poster on “Crystals in the back,” at the 11th Annual Southern Hospital Conference in Atlanta, Georgia (October 21, 2011). Faculty co-author was **Michael Britt, MD** (Rheumatology).
- **Nathan Creel, MD, PGY-3 Surgery Resident:** Presented an oral presentation the at the Southeastern Surgical Congress meeting in Chattanooga (February 13 – 15, 2011). The topic was “Goblet cell carcinoid and mucinous cystadenoma in an interval appendectomy specimen.” **Dr. Ben Dart, Associate Program Director for the Surgery Residency**, was a co-author for the research. Dr. Creel also presented a poster at the same meeting on “Embolization of multiple intrahepatic aneurysms.” Surgery Faculty, **Drs. Vicente Mejia and J. Daniel Stanley**, were co-authors on the poster.
- **Kyle Cunningham, MD, PGY-3 Surgery Resident:** Was selected by the UTHSC College of Medicine Class of 2012 to receive the 2011 Gold Foundation Humanism and Excellence in Teaching Award as the only Chattanooga Resident honored this year.
- **David Daniel, MD, PGY-3 Surgery Resident:** Presented a case report poster on “Retro rectal cystic GIST tumor” at the Southeastern Surgical Congress meeting in Chattanooga (February 13 – 15, 2011). **Dr. J. Daniel Stanley, Associate Program Director for the Colon and Rectal Surgery Fellowship**, was co-author for the case report and poster.
- **Tamas Dolinay, MD, PGY-1 Internal Medicine Resident:** Presented an abstract on “Inflammasome-mediated cytokines are early markers of acute respiratory distress syndrome in sepsis” at the European Respiratory Society 20th Annual Congress in Barcelona, Spain (September 19, 2010).
- **Jesse Doty, MD, PGY-4 Orthopaedic Surgery Resident:** Presented “A biomechanical evaluation of custom foot orthoses and extrinsic pressures in hallux valgus deformity” at the 26th Annual Summer meeting of the American Orthopaedic Foot and Ankle Society in National Harbor, Maryland (July 7-10, 2010). Faculty and staff co-authors on the paper are **Richard Alvarez, MD, Timothy Baine Ervin, BSE, and Ashley Heard**.
- **Carlos Fernandez, MD, PGY-4 Surgery Resident:** Presented a case report poster on “Epidemoid cyst of the frontal sinus,” at the Southeastern Surgical Congress meeting in Chattanooga (February 13 – 15, 2011). **Dr. J. Daniel Stanley, Associate Program Director for the Colon and Rectal Surgery Fellowship**, was co-author for the case report and poster. Dr. Fernandez presented another poster on “Massive gastrointestinal hemorrhage from superior mesenteric artery to duodenum fistula due to pancreatic pseudo cyst,” at the same meeting. **Dr. Vicente Mejia, Surgery Faculty**, was a co-author on the case report.
- **Matthew Figh, MD, PGY-2 Surgery Resident:** Presented a poster on “Synovial cell carcinoma of tongue in an 8-year old,” at the Southeastern Surgical Congress meeting in Chattanooga (February 13 – 15, 2011). **Dr. J. Daniel Stanley, Associate Program Director for the Colon and Rectal Surgery Fellowship**, was co-author for the poster.
- **Elizabeth Hartmann, MD, PGY-3 Surgery Resident:** Presented a case report poster at the Southeastern Surgical Congress meeting in Chattanooga (February 13 – 15, 2011).

The topic was “Paget’s disease of the breast in a 52 year old male.” Faculty co-author was **Laura Witherspoon, MD**.

- **Sean Huang, MD, PGY-1 Internal Medicine Resident:** Presented a poster at the 42nd Annual Southern Regional Meeting of the Society of General Internal Medicine in New Orleans, Louisiana (February 17 – 19, 2011). The topic was “An acute onset of respiratory distress caused by bronchiolitis obliterans organizing pneumonia in a COPD patient.” **Dr. Mukta Panda, Chair of the Department of Medicine**, is a co-author on the case report and poster.
- **Darren Hunt, MD (PGY-4 Surgery Resident):** Presented a poster at the Southeastern Surgical Congress meeting in Chattanooga (February 13 – 15, 2011). The topic was, “Pellet venous embolism from destructive shotgun injury.” Co-authors for the research and poster include **Surgery Faculty, Drs. Benjamin Dart and J. Daniel Stanley, and Resident Assistant, Dr. M. Hina**. Dr. Hunt also presented another case report poster at the same meeting. The topic was, “Post-splenectomy tumor lysis syndrome case report.” **Dr. Anna Royer, PGY-1 Surgery Resident**, was a co-author, as well as **Dr. Robert Maxwell, Surgical Critical Care Fellowship Program Director**.
- **Heba Ismail, MD, PL-3 Pediatrics Resident:** Presented her research, “Autoimmune or non-autoimmune diabetes? What T cell studies can tell us,” at the International Conference on Diabetes and Metabolism in Santa Clara, California (December 2010).
- **Erin Kinney, MD, and John Crudup, MD, PGY-1 Transitional Year Residents:** Presented a poster at the 42nd Annual Southern Regional Meeting of the Society of General Internal Medicine in New Orleans, Louisiana (February 17 – 19, 2011). The topic was, “Hey, where’s my arm? An unusual presentation of a lacunar infarct.”
- **Laleisha Knapple, MD, and Eliza Whitten, MD, PL-3 Pediatric Residents:** Gave presentations and mentored at-risk female minority students in the 6th through eighth grades at Dalewood Middle School in Chattanooga (November 18, 2010). Topics included various career options in healthcare, importance of excelling in academics during middle school and beyond, and the value of maintaining internal motivation despite challenges and obstacles.
- **Brett Krummert, MD, PGY-3 Internal Medicine Chief Resident:** Presented a research poster on “Ensuring seamless effective and efficient patient care – use of a universal outpatient physician referral request form” and was awarded 2nd Place at the 2010 Tennessee Chapter Scientific Meeting of the American College of Physicians (ACP) in Memphis, Tennessee (September 16-18, 2010). He was awarded 1st Place for his oral presentation on “How to save a life 101” at the same meeting. Dr. Krummert also gave a poster presentation at the 42nd Annual Southern Regional Meeting of the Society of General Internal Medicine in New Orleans, Louisiana (February 17 – 19, 2011). The topic was, “Sometimes you have to hunt for the diagnosis: a rare cause of facial palsy in a 41 year old female.” **Dr. Mukta Panda**, Chair of the Department of Medicine and Program Director for the Transitional Year Program was a co-author.
- **Bassel Obaid, MD, PGY-2 Internal Medicine Resident:** Presented a poster on “Sarcoidosis and lower extremity edema – piecing the puzzle together” and was awarded 3rd Place at the 2010 Tennessee Chapter Scientific Meeting of the American College of Physicians (ACP) in Memphis, Tennessee (September 16-18, 2010). **Dr. Obaid** also presented a poster on “Squamous cell carcinoma – where is the primary?” at the 11th Annual Southern Hospital Conference in Atlanta, Georgia (October 21, 2011). **Dr.**

Obaid presented a 3rd poster, “Pathological crying in a patient with basal ganglia bleeding,” at the Annual Meeting of the American College of Physicians in San Diego, California (April 7 – 9, 2011). The poster was co-authored by **Dr. Abdelazim Sirelkhatim, Neurology Clerkship Director**.

- **Meena Sunil, MD, PGY-1 Internal Medicine Resident:** Presented a poster presentation entitled, “Transient bilateral visual loss: a complication of ventriculoperitoneal shunt malformation,” at the 42nd Annual Southern Regional Meeting of the Society of General Internal Medicine in New Orleans, Louisiana (February 17 – 19, 2011). Co-authors included **Poonam Kafle, MD, PGY-3 Internal Medicine Resident**, and **Dr. Catherine Payne, Associate Program Director in the Internal Medicine Residency**.
- **Bradley Thomas, MD, Chief Resident, Surgery:** Dr. Thomas presented a research paper at the Western Association of Trauma Annual Meeting in Big Sky, Montana (February 27 – March 5, 2011). The topic is “Split down the middle – a dysfunctional survivor of complete traumatic hemipelvectomy.” Two Surgery faculty were co-authors on the project – **Drs. Benjamin Dart and Robert Maxwell**. **Dr. Thomas** was also 1st author for another oral presentation given at the Southeastern Surgical Congress meeting in Chattanooga (February 13 – 15, 2011). The topic was entitled, “Errors in administrative reported VAP rates: Are never events really so?” Co-authors included **Elizabeth Hartmann, MD, PGY-3 Surgery Resident**, and **Dr. Maxwell, Surgery Faculty**.
- **Joseph Thomasson, MD, PGY-4 Surgery Resident:** Dr. Thomasson gave an oral presentation entitled, “Documentation of withdrawal of care in surgical patients,” at the Southeastern Surgical Congress meeting in Chattanooga (February 13 – 15, 2011). Co-authors were **Dr. J. Daniel Stanley, Colon and Rectal Surgery Fellowship Associate Program Director**, and **Research Assistant, Dr. Tommy Petros**.
- **W. Andrew Todd, DO, PGY-3 Internal Medicine Chief Resident:** Presented a research poster on “Falls in the elderly patient – a retrospective evaluation of the role of pain management” and was awarded 1st Place at the 2010 Tennessee Chapter Scientific Meeting of the American College of Physicians (ACP) in Memphis, Tennessee (September 16-18, 2010). Dr. Todd also won the national research competition award at the annual meeting of the American College of Physicians in San Diego, California (April 7 – 9, 2011). He presented his research poster, “Falls in the elderly patient – a retrospective evaluation of the association of falls and pain management.” Co-investigators were **Drs. Lisa Staton, Victor Kolade, Mukta Panda, and Ann Rybolt (Department of Medicine Faculty)**.
- **Transitional Year Residents (Erin Kinney, MD; John Phillips, MD; John Crudup, MD; Bryan Hartley, MD; Philip Scherer, MD; and Ramya Embar Srinivasan, MD)** hosted the 6th Annual Press Out Domestic Violence fundraiser to benefit the Partnership for Families, Children, and Adults, raising \$2,000 for the organization (May 18, 2011).

Office of Research

The 2011-2012 Office of Research includes:

- Director of Research (Gregory Heath, DHSc, MPH, Professor in the Department of Medicine and UTC Guerry Professor of Health and Human Performance and Assistant Provost for Research and Engagement)
- IRB Chair (Manoo Bhakta, MD, Associate Professor, Department of Pediatrics, Division of Pediatric Hematology/Oncology)
- IRB Administrator (Stacey Hendricks, CIM)
- Scientific Review Committee (Chaired by Eric Gratias, MD, Pediatrics Faculty)
- Research Compliance Officer (Sylvia Friedl, CIP)
- Technical Grants Writer (Langhorne Waterhouse, MLS) and
- Technical Director for the Simulation Lab (Rodney Westmoreland)

The IRB reports 220 research studies are currently open and approved, and the majority of these involve Residents and Faculty. As noted previously under “Milestones,” federal and local research grants in excess of \$5, 587,000 have been submitted by the campus. Currently there are six active grants being managed by the Office of Research. Current grants awarded total approximately \$ 2,585,000. Progress has continued in developing projects involving nanotechnology and research for assisting senior citizens to live independently (CILVR). A listing of funded grants is included as Appendix 2.

The Director of Research and Research Compliance Officer maintain a list of all publications and presentations. The Dean and the Director of Research meet weekly with the Business Manager and other research staff to ensure that all efforts are being tracked and deadlines met. Dr. Heath has continued to update an online Research Manual to provide research guidance for both Faculty and Residents. The Research Compliance Officer also maintains a list of Research Resources and Contacts for the Campus. Research and scholarly publications reported are included as Appendix 3.

The Annual Research Methods Nuts and Bolts Symposium was conducted at the UTC Student Center on August 27, 2010. The event was well attended and included the UTCOMC Dean, Dr. David Seaberg, and keynote speaker, Inga Himelright, MD, MPH, MBA, Associate Chief Medical Officer for Blue Cross/Blue Shield of Tennessee and Assistant Professor in the UTCOMC Department of Medicine. Her topic was “Health Care Reform: A New Prescription for Research. Vinita Singh, MD, winner of the 2010 Annual Research Week award for the best research presentation, was another guest speaker and gave helpful advice about how to start and complete a project during residency. The 2011 event is scheduled at the UTC venue on August 26, 2011.

A total of 38 abstracts were submitted for consideration at the 29th Annual Research Week, held April 11 – 15, 2011. The Scientific Review Committee selected twenty-three for presentations: five oral research presentations, five research projects for poster presentations, and thirteen case reports for poster presentations. Twenty Residents were involved in these research projects and cases. Judges for the event included: James Neutens, EdD, Dean, UT Graduate School of Medicine Knoxville; Stephanie Stegall, MD, former Research Week winner and graduate of the

Pediatrics Residency; and Mel W. Twiest, MD, Clinical Associate Professor, Department of Surgery, UTCOMC, and past Erlanger Chief Medical Officer. Dr. Coddington, the 1st Associate Dean for the Chattanooga campus and for whom the event and awards were named, attended this year's awards dinner and assisted Dean Seaberg and Dr. Fore in presenting awards. Awards were presented to the following:

Research Awards

Alicia Andrews, DO, PL-3 Pediatric s Resident: Best Research Project and Recipient of the Robert C. Coddington Award for Research Excellence. Topic: "The impact of the rotavirus vaccines on a pediatric academic tertiary referral hospital."

Ron Buchheit, MD, PGY-3 Emergency Medicine Resident: 2nd Place Research Presentation. Topic: "Nuclear stress testing in the emergency department chest pain patient with suspected acute coronary syndrome – whom should we stress?"

Laleisha Knapple, MD, MPH, PL-3 Pediatrics Resident; Eliza Whitten-Hoskins, MD, PL-3 Pediatrics Resident; Selena Dozier, MD, PGY-3 Family Medicine Chief Resident; and Sara Harbin, MD, PL-3 Pediatrics Resident: 3rd Place Research Presentation. Topic: "The effects of an education program regarding pertussis on the administration rates of the pertussis (Tdap) booster."

Sean Huang, MD, MS, PGY-1 Internal Medicine Resident: 4th Place Research Presentation. Topic: "Influenza vaccine related adverse events, H1N1 vs. seasonal influenza."

Case Report Awards:

Michael Malandra, MD, PL-1 Pediatrics Resident: 1st Place Case Study. Topic: "Chronic pancreatic insufficiency as a sequel of Kawasaki Disease -- a unique presentation."

Jacob Henning, MD, PGY-3 Emergency Medicine Resident: 2nd Place Case Study. Topic: "A new electrocardiographic criteria for emergent reperfusion therapy."

Daniel Sutphin, MD, PGY-7 Plastic Surgery Chief Resident: 3rd Place Case Study. Topic: "Surgical management of Gorlin's Syndrome – a four decade experience using local excision technique."

Resident Stipends and Benefits

Resident stipends and benefits are set 1st by the statewide University of Tennessee Graduate Medical Education System and approved annually by the GMED at each campus (Memphis, Knoxville, and Chattanooga). Since the national Council of Teaching Hospitals publishes regional data each year, the University works to remain competitive with other institutions in the Southern Region. The 2010-2011 Resident Stipend Scale is listed below as well as the scale approved for 2011-2012. The figures represent a 2.5% increase at each level for the Chattanooga Campus. The UT Graduate School of Medicine Knoxville approved a 3% increase at each level, and the UT College of Medicine Memphis approved a 5% increase at each level, at the request of its hospitals, in order to be above the 50th percentile in the Southern Region.

PGY Level	2010 – 2011	2011-2012
PGY-1	\$ 45,175	\$45,589.38
PGY-2	\$ 46,750	\$47,330.75
PGY-3	\$ 48,350	\$48,943.75
PGY-4	\$ 49,950	\$50,583.75
PGY-5	\$ 51,550	\$52,223.75
PGY-6	\$ 53,150	\$53,863.75
PGY-7	\$ 54,150	\$55,503.75

Benefits provided to Residents and Fellows:

- Health, dental, life, and disability insurance
- Relocation reimbursement for new Residents moving to Chattanooga (primary care Residents receive up to \$1,500 and non-primary care receive up to \$1,000)
- Annual professional development funding to reimburse for travel to national conferences, educational books or electronic/web learning tools, USMLE Step 3 fees, etc., including up to \$250 to reimbursement for a smart phone or PDA:
 - \$500 maximum for PGY-1 Residents
 - \$1,000 maximum for PGY-2 Residents
 - \$1,500 maximum for PGY-3 and above Residents and Fellows
- Alpha pagers provided by the hospital at no charge
- Monogrammed lab coats (four initially and three each subsequent year)
- Funding for meals in the hospital cafeteria up to \$20 per day
- Parking in the hospital garage at no charge
- Annual vacation (Three weeks including days during the Christmas – New Year’s season)
- Annual sick leave (up to 21 working days annually – not cumulative)
- 24 hour access to the Medical Library
- Copying in the Library at no charge
- Web-based access to Library electronic databases at no charge, including Epocrates, Up-to-Date, and Visual DX
- Interlibrary loans for resources not available within the Library (no charge)
- Call quarters within the hospital

Strategic Planning

Clinical

- Implement and grow the newly approved Faculty Practice Plan to ensure both quality education and patient care.
- Work with the Chair of the Department of Obstetrics and Gynecology Erlanger Administration, and community physicians to stabilize the Residency program.
- Work with hospital administration to implement the newly renegotiated memorandum of understanding and major affiliation agreement between UT and Erlanger to meet institutional accreditation requirements.

Education

- Provide institutional support from the hospital administration, the Dean, DIO, GMEC, and Director of Graduate Medical Education for correction of all program citations.
- Continue to assist the Obstetrics and Gynecology Residency in addressing probation and citations for non-compliance to secure Continued Accreditation Status.
- Successfully oversee the new Colon and Rectal Surgery Fellowship.
- Prepare for upcoming program site visits and ensure individual compliance with accreditation requirements (OB/GYN, Surgery, and Hospice and Palliative Care)
- Seek funding and leadership for the Geriatric Medicine Fellowship.
- Organize and facilitate the 4th annual Faculty Development Retreat (Fall 2011) to focus on physician behavior.
- Continue to facilitate inter-disciplinary training programs in the Simulation Lab, working to incorporate Basic Life Support and Advanced Cardiac Life Support education for Residents and Fellows.
- Continue recruitment of excellent Residents and Fellows, particularly in primary care Residency programs.
- Maintain continued accreditation with limited or reduced federal and state funding.
- Finalize a White Paper regarding the feasibility, costs, and timeline for establishing a four year medical school campus in Chattanooga.
- Facilitate the community service projects of the House Staff Association and the Gold Humanism Honor Society.
- Continue to improve Medical Student activities, and establish a strong Medical Student chapter of the American Medical Student Association.

Research

- Increase NIH/federal grants and funding
- Continued development Nanotechnology Research Group and Center for Independent Living Research (CILVR) Group

Community

- Coordinate development and fundraising activities for UTCOMC
- Continue the Medical Library preservation project

DCS:RCF:PDS

APPENDIX 1
Revised 8/18/2011

Organizational Chart
University of Tennessee
College of Medicine Chattanooga

University of Tennessee Board of Trustees

University of Tennessee
 President: Dr. Joseph A. DiPietro

UT Health Science Center
 Chancellor: Steve Schwab, MD; Executive Dean: David Stern, MD

UT College of Medicine Chattanooga
 Dean: David C. Seaberg, MD, CPE, FACEP

Business/Faculty/Finance/Graphics
 Business Manager: Jane Clay

Designated Institutional Officer and Associate Dean for Academic Affairs
 Robert C. Fore, EdD, FACME, CCMEP

Continuing Medical Education
 Statewide Director: Sally Caldwell, MBA
Graduate and Medical Student Education
 Director: Pamela D. Scott

Assistant Dean for Clinical Affairs
 Louis R. Lambiase, MD

Major Teaching Institution Affiliation
Erlanger Health System
 (Erlanger Medical Center and Children's Hospital at Erlanger)
 President and CEO: James Brexler
 CMO: Cy Huffman, MD

Graduate Medical Education Committee (GMEC)

Organized Medical Staff
 Chief of Staff: J. Woodfin Kennedy, MD

Research
 Director: Gregory Heath, DHSc, MPH
 Langhorne Waterhouse, MLS Technical Writer

IRB and SRC
 IRB Chair: Manoo Bhakta, MD
 IRB Coordinator: Stacy Hendricks
 SRC Chair: Eric Gratiyas, MD
 Research Compliance: Sylvia Friedl

Medical Library
 Manager: Rachel Bohannon

Family Medicine
 Mack Worthington, MD, Chair
 Stephen Adams, MD, Residency Program Dir

Geriatrics
 Mack Worthington, MD
 Fellowship Director

Hospice (sponsored by IM)
 Valencia Clay, MD, Fellowship Director

Emergency Medicine
 James Creel, MD
 Interim Chair and Residency Program Director

Orthopaedic Surgery
 Richard Alvarez, MD, Chair
 Channappa Chandra, MD, Vice Chair
 W. Michael Tew, MD, Residency Program Director

Orthopaedic Trauma Fellowship (Non-Accredited)
 Pete Nowotarski, MD, Fellowship Director

Internal Medicine
 Mukta Panda, MD, Chair
 Lisa Staton, MD, Residency Program Director

Pediatrics
 Alan Kohrt, MD, Chair
 Janara Huff, MD, Residency Program Director

Transitional Year
 Mukta Panda, MD
 Residency Program Director

Medical/Surgical Skills and Sim Lab
 Ben Dart, MD, Med Dir
 Richard Cook, PA
 Director

House Staff Co-Presidents and Resident Representatives from each department

Surgical Critical Care
 Robert Maxwell, MD
 Fellowship Director

Vascular Surgery
 Richard Sprouse, MD
 Fellowship Director

Colon & Rectal Surgery
 Richard Moore, MD, PhD
 Fellowship Director

Obstetrics/Gynecology
 Paul Stumpf, MD, Chair and Residency Program Director

Plastic Surgery
 Larry Sargent, MD, Chair and Residency Program Director

Surgery
 Phillip Burns, MD, Chair
 Joseph Cofer, MD, Residency Program Director

Tracking #	GRANT	PROJECT TITLE	FUNDING AGENCY	PI (s)	FUNDING	DUE DATE	PRIMARY INST.
SIMULATION LAB							
SUCCESS!	DreamWorks	HRSA grant with UTC	HRSA (sub-agency, to be named)	Kay Lindgren; UTCOMC -- to be determined	\$20,000	7 sessions in UTCOMC Sim Lab -- during <u>summers of 2011 and 2012</u>	UTC
NANOTECHNOLOGY							
SUCCESS!	Fed Approp.	Nano-based bone repair device for limb salvage	Rep. Wamp & Sen. Alexander	Dr. Thomas Currey	\$980,000	to be awarded: Sep 2011	UTCOCM
OTHER							
SUCCESS!	Lincy Foundation	"PRESSURE TRIAL"	foundation	Jim Tumlin, MD	\$369,000.00	won spring 2011	UTCOCM / Southeast Renal Institute
NATIONAL CHILDREN'S STUDY (NCS)							
SUCCESS!	NCS	grant with Emory -- Bradley County	NICHHD	Dave Adair (PI); Marvin Hall (co-Lead Investigator)	\$1,200,000	projected start date: summer 2013	UTCOCM
SUCCESS!	Baroness Foundation	ED Diversion Project	Baroness Foundation	Dr. David Seaberg	\$6,000	27-Jul-10	UTCOCM

Tracking #	GRANT	PROJECT TITLE	FUNDING AGENCY	PI (s)	FUNDING	DUE DATE	PRIMARY INST.
SUCCESS!	CAPHY (Center for Physical Activity and Health in Youth) -- from Middle TN State Univ (MTSU)	"Improving Metabolic Health among Chattanooga's Children and Youth .."	CAPHY	Dr. Greg Heath	\$9,968	Dec 2011	UTCOMC
TOTAL					\$2,584,968		

Last name	First name	Department	Article title	Citation	Authors as listed	Year
Adair	CD	OB/GYN	Digibind reverses inhibition of cellular rb+ uptake caused by endogenous sodium pump inhibitors present in serum and placenta of women with preeclampsia	Reprod Sci. 2011 Feb;18(2):190-9	Hopoate-Sitake ML, Adair CD, Mason LA, Torres C, Kipikasa J, Graves SW	2011
Adair	CD	OB/GYN	Digoxin immune Fab treatment for severe preeclampsia	Am J Perinatol. 2010 Mar 15 [Epub ahead of print]	Adair CD, Buckalew VM, Graves SW, Lam GK, Johnson DD, Saade G, Lewis DF, Robinson C, Danoff TM, Chauhan N, Hopoate-Sitake M, Porter KB, Humphrey RG, Trofatter KF, Amon E, Ward S, Kennedy L, Mason L, Johnston JA	2010
Adair	CD	OB/GYN	Labor induction with intravaginal misoprostol compared with the dinoprostone vaginal insert: a systematic review and metaanalysis	Am J Obstet Gynecol. 2010 Apr 27 [Epub ahead of print]	Austin SC, Sanchez-Ramos L, Adair CD	2010
Adair	CD	OB/GYN	Digibind reverses inhibition of cellular rb+ uptake caused by endogenous sodium pump inhibitors present in serum and placenta of women with preeclampsia	Hopoate-Sitake ML, Adair CD, Mason LA, Torres C, Kipikasa J, Graves SW	Reprod Sci. 2010 Oct 19 [Epub ahead of print]	2010
Adams	SM	Family Medicine	Urine drug screening: a valuable office procedure	Am Fam Physician. 2010 Mar 1;81(5):635-40	Standridge JB, Adams SM, Zotos AP	2010
Alvarez	RG	Orthopaedic Surgery	Arteriovenous fistula and pseudoaneurysm of the posterior tibial artery after calcaneal slide osteotomy: a case report	Foot Ankle Int. 2010 Apr;31(4):329-32	Doty JF, Alvarez RG, Asbury BS, Rudd NJ, Baxter WB	2010
Arant Jr	BS	Pediatrics	Efficacy, safety and pharmacokinetics of candesartan cilexetil in hypertensive children from 1 to less than 6 years of age	J Hypertens. 2010 May;28(5):1083-90.	Schaefer F, van de Walle J, Zurowska et al	2010

Last name	First name	Department	Article title	Citation	Authors as listed	Year
Arant Jr	BS	Internal Medicine	Summary of the AUA guideline on management of primary vesicoureteral reflux in children	J Urol. 2010 Sep;184(3):1134-44. Epub 2010 Jul 21.	Peters CA, Skoog SJ, Arant BS Jr, Copp HL, Elder JS, Hudson RG, Khoury AE, Lorenzo AJ, Pohl HG, Shapiro E, Snodgrass WT, Diaz M.	2010
Barker	DE	Surgery	Scheduled repeat CT scanning for traumatic brain injury remains important in assessing head injury progression	J Am Coll Surg. 2010 May;210(5):824-30, 831-2.	Thomas BW, Mejia VA, Maxwell RA, Dart BW, Smith PW, Gallagher MR, Claar SC, Greer SH, Barker DE	2010
Barker	DE	Surgery	A randomized prospective trial of airway pressure release ventilation and low tidal volume ventilation in adult trauma patients with acute respiratory failure	J of Trauma 2010,69(3):501-11.	Maxwell RA, Green JM, Waldrop J, Dart BW, Smith PW, Brooks D, Lewis PL, Barker DE.	2010
Baxter	B	Radiology	Internal carotid artery thrombosis after blunt trauma--salvage therapy with the penumbra thrombectomy system	Am Surg. 2010 Mar;76(3):343-5.	Rader M, Ramsay P, Maxwell R, Baxter B	2010
Bhakta	M	Pediatrics	Acquisition of genome-wide copy number alterations in monozygotic twins with acute lymphoblastic leukemia	Blood. 2010 Apr;115(17):3553-8.	Bateman, CM, Colman SM, Chaplin T, Young BD, Eden TO, Bhakta M, Gratias EJ, van Wering ER, Cazzaniga G, Harrison CJ, Hain R, Ancliff P, Ford AM, Kearney L, Greaves M.	2010

Last name	First name	Department	Article title	Citation	Authors as listed	Year
Broadstone	PA	Orthopaedic Surgery	Incidence of unintended durotomy in spine surgery based on 108,478 cases	Neurosurgery 2011 Jan;68(1):117-124.	Williams BJ, Sansur CA, Smith JS, Berven SH, Broadstone PA, Choma TJ, Boytan MJ, Noordeen HH, Knapp DR Jr, Hart RA, Zeller RD, Donaldson WF 3rd, Polly DW Jr, Perra JH, Boachie-Adjei O, Shaffrey CI	2011
Broadstone	PA	Orthopaedic Surgery	Rates of infection after spine surgery based on 108,419 procedures: a report from the Scoliosis Research Society Morbidity and Mortality Committee	Spine (Phila PA 1976), 2011 Apr 1;36(7):556-63.	Smith JS, Shaffrey CI, Sansur CA, Berven SH, Fu KM, Broadstone PA, Choma TJ, Goytan MJ	2011
Broadstone	PA	Orthopaedic Surgery	Morbidity and mortality in the surgical treatment of 10,329 adults with degenerative lumbar stenosis	J Neurosurg Spine. 2010 May;12(5)443-6	Fu KM, Smith JS, Polly DW Jr, Perra JH, Sansur CA, Berven SH, Broadstone PA, Choma TJ, Goytan MJ, Noordeen HH, Knapp DR Jr, Hart RA, Zeller RD, Donaldson WF 3rd, Boachie-Adjei O, Shaffrey CI	2010
Broadstone	PA	Orthopaedic Surgery	Complication rates of three common spine procedures and rates of thromboembolism following spine surgery based on 108,419 procedures: a report from the Scoliosis Research Society Morbidity and Mortality Committee	Spine (Phila PA 1976). 2010 Nov 15;35(24):2140-9.	Smith JS, Fu, KM, Polly DW Jr, Sansur CA, Berven SH, Broadstone PA, Choma TJ, Goytan MJ, Noordeen HH, Knapp DR Jr, Hart RA, Donaldson WF 3rd, Perra JH, Boachie-Adjei O, Shaffrey CI.	2010

Last name	First name	Department	Article title	Citation	Authors as listed	Year
Broadstone	PA	Orthopaedic Surgery	Morbidity and mortality in the surgical treatment of six hundred five pediatric patients with isthmic or dysplastic spondylolisthesis	Spine (Phila PA 1976). 2010 Aug 25. [Epub ahead of print]	Fu KM, Smith JS, Polly DW Jr, Perra JH, Sansur CA, Berven SH, Broadstone PA, Choma TJ, Goytan MJ, Noordeen HH, Knapp DR Jr, Hart RA, Donaldson WF 3rd, Boachie-Adjei O, Shaffrey CI.	2010
Broadstone	PA	Orthopaedic Surgery	Morbidity and mortality in the surgical treatment of 10,242 adults with spondylolisthesis	J Neurosurg Spine. 2010 Nov;13(5):589-93.	Sansur CA, Reames DL, Smith JS, Hamilton DK, Berven SH, Broadstone PA, Choma TJ, Goytan MJ, Noordeen HH, Knapp DR, Hart RA, Zeller RD, Donaldson WF, Polly DW, Perra JH, Boachie-Adjei O, Shaffrey CI.	2010
Burns	RP	Surgery	Management of chronic mesenteric vascular insufficiency: an endovascular approach	J Am Coll Surg. 2011 Apr;212(4):668-75; discussion 675-7	Schoch DM, LeSar CJ, Joels CS, Erdoes LS, Sprouse LR, Fugate MW, Greer MS, Fisher DF, Mixon H, Hogan M, Burns RP	2011
Burns	RP	Surgery	Clostridium difficile and the surgeon	Am Surg. 2010 Mar;76(3):235-44. Review.	Stanley JD, Burns RP	2010
Burns	RP	Surgery	The Ferguson Operating Anoscope as a minimally invasive option for the treatment of rectal tumors	Am Surg. 2010 Aug;76(8):850-6.	Stanley JD, Bell C, Hinkle N, Moore RA, Burns RP	2010

Last name	First name	Department	Article title	Citation	Authors as listed	Year
Caine	W	Internal Medicine	Multiple recurrent stent thrombosis in a patient with coexisting clopidogrel resistance and increased anticardiolipin antibodies: a case report.	Case Reports in Med. Epub 2010 May 12	Middlebrooks EH, Panda M, Caine W	2010
Choby	BA	Family Medicine	Adolescent bipolar disorder: a clinical vignette	Clin Psychiatry 2010;12(4).	Rodgers MJ, Zylstra RG, McKay JB, Solomon AL, Choby BA	2010
Cofer	JB	Surgery	Fundamentals of liver surgery for the practicing general surgeon	Am Surg. 2010 May;76(5):461-9.	Cofer JB, Adams RB	2010
Creel JR	JH	Surgery/EM	Use of pulse co-oximetry as a screening and monitoring tool in mass carbon monoxide poisoning	Prehosp Emerg Care. 2010 Jan-Mar;14(1):131-3	Bledsoe BE, Nowick K, Creel JH Jr, Carrison D, Severance HW	2010
Dart	BW 4th	Surgery	Gold Medal Forum Winner. Unfractionated heparin three times a day versus enoxaparin in the prevention of deep vein thrombosis in trauma patients	Arnold JD, Dart BW, Maxwell RA, Burkholder HC, Mejia VA, Smith PW, Longley JM	Am Surg. 2010 Jun;76(6):563-70	2010
Dart 4th	BW	Surgery	Scheduled repeat CT scanning for traumatic brain injury remains important in assessing head injury progression	J Am Coll Surg. 2010 May;210(5):824-30, 831-2.	Thomas BW, Mejia VA, Maxwell RA, Dart BW, Smith PW, Gallagher MR, Claar SC, Greer SH, Barker DE	2010
Dart 4th	BW	Surgery	A randomized prospective trial of airway pressure release ventilation and low tidal volume ventilation in adult trauma patients with acute respiratory failure	J of Trauma 2010,69(3):501-11.	Maxwell RA, Green JM, Waldrop J, Dart BW, Smith PW, Brooks D, Lewis PL, Barker DE.	2010
Erdoes	LS	Surgery	Management of chronic mesenteric vascular insufficiency: an endovascular approach	J Am Coll Surg. 2011 Apr;212(4):668-75; discussion 675-7	Schoch DM, LeSar CJ, Joels CS, Erdoes LS, Sprouse LR, Fugate MW, Greer MS, Fisher DF, Mixon H, Hogan M, Burns RP	2011

Last name	First name	Department	Article title	Citation	Authors as listed	Year
Erdoes	LS	Surgery	Management of chronic mesenteric vascular insufficiency: an endovascular approach	J Am Coll Surg. 2011 Apr;212(4):668-75; discussion 675-7	Schoch DM, LeSar CJ, Joels CS, Erdoes LS, Sprouse LR, Fugate MW, Greer MS, Fisher DF, Mixon H, Hogan M, Burns RP	2011
Fesmire	FM	Surgery/EM	2011 ACCF/AHA focused update incorporated into the ACC/AHA 2007 guidelines for the management of patients with unstable angina/non-ST-elevation myocardial infarction: a report of the American College of Cardiology Foundation/American Heart Association Task Force on practice guidelines	Circulation. 2011 May 10;123(18):e426-579. Epub 2011 Mar 28	Anderson JL, Adams CD, Antman EM, Bridges CR, Califf RM, Casey DE Jr, Chavey WE 2nd, Fesmire FM, Hochman JS, Levin TN, Lincoff AM, Peterson ED, Theroux P, Wenger NK, Wright RS, Smith SC Jr.,	2011
Fesmire	FM	Surgery/EM	2011 ACCF/AHA focused update of the guidelines for the management of patients with unstable angina/non-ST-elevation myocardial infarction (updating the 2007 Guideline): A report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines	Circulation. 2011 May 10;123(18):2022-60. Epub 2011 Mar 28.	Anderson JL, Adams CD, Antman EM, Bridges CR, Califf RM, Casey DE Jr, Chavey WE 2nd, Fesmire FM, Hochman JS, Levin TN, Lincoff AM, Peterson ED, Theroux P, Wenger NK, Wright RS, Smith SC Jr.,	2011

Last name	First name	Department	Article title	Citation	Authors as listed	Year
Fesmire	FM	Surgery/EM	2011 ACCF/AHA focused update patients with unstable angina/non-ST-elevation myocardial infarction (updating the 2007 Guideline) A report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines developed in collaboration with the American College of Emergency Physicians, Society for Cardiovascular Angiography and Interventions, and Society of Thoracic Surgeons	J Am Coll Cardiol. 2011 May 10;57(19):1920-59. Epub 2011 Mar 28.	Wright RS, Anderson JL, Adams CD, Bridges CR, Casey DE Jr, Ettinger SM, Fesmire FM, Ganiats TG, Jneid H, Lincoff AM, Peterson ED, Phillippides GJ, Theroux P, Wenger NK, Zidar JP.	2011
Fesmire	FM	Surgery/EM	2011 ACCF/AHA focused update incorporated into the ACC/AHA 2007 guidelines for the management of patients with unstable angina/non-ST-elevation myocardial infarction: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines developed in collaboration with the American Academy of Family Physicians, Society for Cardiovascular Angiography and Interventions, and the Society of Thoracic Surgeons	J Am Coll Cardiol. 2011 May 10;57(19):e215-367	Wright RS, Anderson JL, Adams CD, Bridges CR, Casey DE Jr, Ettinger SM, Fesmire FM, Ganiats TG, Jneid H, Lincoff AM, Peterson ED, Phillippides GJ, Theroux P, Wenger NK, Zidar JP.	2011
Fesmire	FM	Surgery/EM	Clinical policy: critical issues in the evaluation of adult patients presenting to the emergency department with acute blunt abdominal trauma	Ann Emerg Med. 2011 Apr;57(4):387-404	Diercks DB, Mehrotra A, Nazarian DJ, Promes SB, Decker WW, Fesmire FM, American College of Emergency Physicians	2011

Last name	First name	Department	Article title	Citation	Authors as listed	Year
Fesmire	FM	Surgery/EM	Critical issues in the evaluation and management of adult patients presenting to the emergency department with suspected pulmonary embolism	Ann Emerg Med. 2011 Jun;57(6):628-652.e75.	Fesmire FM, Brown MD, Espinosa JA, Shih RD, Silvers SM, Wolf SJ, Decker WWW	2011
Fesmire	FM	Surgery/EM	Utilization of ST-segment deviation sum and change score to identify acute myocardial infarction	Fesmire FM	Am J Emerg Med 2010 Sep;28(97):790-7. Epub 2010 Apr 2.	2010
Fesmire	FM	Surgery/EM	Clinical policy: Critical issues in the evaluation and management of emergency department patients with suspected appendicitis	Howell JM, Eddy OL, Lukens TW, Thiessen ME, Weingart SD, Decker WW; American College of Emergency Physicians	Ann Emerg Med. 2010 Jan;55(1):71-116	2010
Galphin	C	Internal Medicine	Effect of daily hemodialysis on depressive symptoms and postdialysis recovery time: interim report from the FREEDOM (Following Rehabilitation, Economics and Everyday-Dialysis Outcome Measurements) Study	Am J Kidney Dis. 2010 Sep;56(3):531-9. Epub 2010 Jul 29.	Jaber BL, Lee Y, Collins AJ, Hull AR, Kraus MA, McCarthy J, Miller BW, Spry L, Finkelstein FO, FREEDOM Study Group	2010
Gratias	EJ	Pediatrics	Acquisition of genome-wide copy number alterations in monozygotic twins with acute lymphoblastic leukemia	Blood. 2010 Apr;115(17):3553-8.	Bateman, CM, Colman SM, Chaplin T, Young BD, Eden TO, Bhakta M, Gratias EJ, van Wering ER, Cazzaniga G, Harrison CJ, Hain R, Ancliff P, Ford AM, Kearney L, Greaves M.	2010

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Gratias	EJ	Pediatrics	Renal tumors	Manual of Pediatric Hematology Oncology, 5th edition by Philip Lanzkowsky, MD in press	Ed. Philip Lanzowski	2010
Gratias	EJ	Pediatrics	Fine-tuning treatment for Wilms tumor patients: which way should we turn the dial?	Ped Blood & Cancer 2010 Aug;55(2);220-1	Gratias EJ	2010
Greer	MS	Surgery	Management of chronic mesenteric vascular insufficiency: an endovascular approach	J Am Coll Surg. 2011 Apr;212(4):668-75; discussion 675-7	Schoch DM, LeSar CJ, Joels CS, Erdoes LS, Sprouse LR, Fugate MW, Greer MS, Fisher DF, Mixon H, Hogan M, Burns RP	2011
Heath	GW	Internal Medicine	The kid fitness school program: effects on daily physical activity	Med and Sci in Sports and Exercise. 2011;43(5)Suppl:S23.	Underwood SA, Heath GW, Kang M.	2011
Heath	GW	Internal Medicine	Dissemination of effective physical activity interventions: are we applying the evidence?	Health Educ Res. 2010 Apr;25(2):185-98. Epub 2010 Feb 15.	Ballew P, Brownson RC, Haire-Joshu D, Heath GW, Kreuter MW	2010
Heath	GW	Internal Medicine	Point-of-decision prompts to increase stair use. A systematic review update	Am J Prev Med. 2010 Feb;38(2 Suppl):S292-300	Soler RE, Leeks KD, Buchanan LR, Brownson RC, Heath GW, Hopkins DH; Task Force on Community Preventive Services	2010
Heath	GW	Internal Medicine	Promoting active transport: a multimodal travel time pilot study	Med and Sci in Sports and Exercise. 2011;43(5)Suppl:S45	Baird D, Hall P, Galeano N, Heath GW.	2011

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Jemison	M	Orthopaedic Surgery	Radial collateral ligament injury of the thumb with a stener-like lesion	Orthopedics. 2010 Dec 1;33(12):doi:10.3928/01477447-20101021-30.	Doty JF, Rudd JN, Jemison M	2010
Kaako	AH	Internal Medicine	Seeds of wisdom	Yale J for Humanities in Medicine. Sept. 2010.	Kaako A	2010
Kipikasa	J	OB/GYN	Digibind reverses inhibition of cellular rb+ uptake caused by endogenous sodium pump inhibitors present in serum and placenta of women with preeclampsia	Hopoate-Sitake ML, Adair CD, Mason LA, Torres C, Kipikasa J, Graves SW	Reprod Sci. 2010 Oct 19 [Epub ahead of pring]	2010
Kohrt	AE	Pediatrics	A new framework for quality partnerships in children's hospitals	Pediatrics. 2011 Jun;127(6):1147-56. Epub 2011 May 16.	Levy FH, Brilli RJ, First LR, Hyman D, Kohrt AE, Ludwig S, Miles PV, Saffer M	2011
Kohrt	AE	Pediatrics	Utilizing peer academic detailing to improve childhood immunization coverage levels	Health Promot Pract. 2010 May;11(3):377--86. Epub 2008 Oct 27.	Boom JA, Nelson CS, Kohrt AE, Kozinetz CA	2010
Kolade	VO	Internal Medicine	Book review: The Addict: One Patient, One Doctor, One Year	Fam Med 2011;43(2):131-2.	Kolade VO	2011
Kolade	VO	Internal Medicine	Massive GI bleeding in a patient with 2 small AVMs in the small intestine: a case report	Cases J. 2010 Jan 28;3:39	Jacobson TB, Kolade VO	2010
Kolade	VO	Internal Medicine	Scrofula	J of Hosp Med 2010;5(7):E3.	Kafle P, Kolade VO	2010
Kolade	VO	Internal Medicine	Back pain and mental retardation	Tennessee Med 2010;103(8):37-8.	Kaako A, Kolade VO	2010
Kolade	VO	Internal Medicine	Catastrophic antiphospholipid antibody syndrome in a young woman in the postpartum period	Tennessee Med 2010;103(10):35-6, 39	Jacobson TB, Kolade VO, Kapadia AS	2010

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Lambiase	LR	Internal Medicine	Overuse of acid suppression therapy in hospitalized patients	South Med J. 2010 Mar;103(3):207-11.	Gupta R, Garg P, Kottoor R, Munoz JC, Jamal MM, Lambiase LR, Vega KJ	2010
Lambiase	LR	Internal Medicine	Extraction of surgical clip-induced "lillipop" choledocholithiasis	Endoscopy. 2010;42 Suppl 2:E15-6. Epub 2010 Jan 13.	Munoz JC, Rascon-Aguilar I, Lambiase LR, Awad ZT, Vega KJ.	2010
Lambiase	LR	Internal Medicine	Reflux episodes are similar in healthy African Americans and non-Hispanic whites.	Dis Esophagus 2010 [Epub ahead of print]	Vega KJ, Langford-Legg T, Watts J, Lambiase C, Lambiase LR, Jamal MM	2010
Lambiase	LR	Internal Medicine/GI	Albinterferon Alfa-2b was not inferior to pegylated interferon- α in a randomized trial of patients with chronic hepatitis C virus genotype 1	Gastroenterology. 2010 Oct;139(4):1257-66. Epub 2010 Jun 27.	Zeuzem S, Sulkowski MS, Lawitz EJ, Rustgi VK, Rodriguez-Torres M, Bacon BR, Grigorescu M, Tice AD, Lurie Y, Cianciara J, Muir AJ, Cronin PW, Pulkstenis E, Subramanian GM, McHutchison JG, ACHIEVE-1 Study Team	2010
Lambiase	LR	Internal Medicine/GI	Albinterferon Alfa-2b was not inferior to pegylated interferon- α in a randomized trial of patients with chronic hepatitis C virus genotype 2 or 3	Gastroenterology. 2010 Oct;139(4):1267-76. Epub 2010 Jul 1.	Nelson DR, Benhamou Y, Chuang WL, Lawitz EJ, Rodriguez-Torres M, Flisiak R, Rasenack JW, Kryczka W, Lee CM, Bain VG, Pianko S, Patel K, Cronin PW, Pulksteinis E, Subramanian GM, McHutchison JG, ACHIEVE-2/3 Study Team	2010

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Lambiase	LR	Internal Medicine/GI	Hepatitis C virus treatment-related anemia is associated with higher sustained virologic response rate.	Gastroenterology. 2010 Nov;139(5):1602-11, 1611.e1. Epub 2010 Aug 16.	Sulkowski MS, Shiffman ML, Afdhal NH, Reddy KR, McCone J, Lee WM, Herrine SK, Harrison SA, Poordad FF, Koury K, Deng W, Noviello S, Pedicone LD, Brass CA, Albrecht JK, McHutchison JG, IDEAL Study Team	2010
LeSar	CJ	Surgery	Management of chronic mesenteric vascular insufficiency: an endovascular approach	J Am Coll Surg. 2011 Apr;212(4):668-75; discussion 675-7	Schoch DM, LeSar CJ, Joels CS, Erdoes LS, Sprouse LR, Fugate MW, Greer MS, Fisher DF, Mixon H, Hogan M, Burns RP	2011
Makdsi	F	Internal Medicine	Acute renal infarction	J Hosp Med. 2010;5(4):E29	Makdsi F, Fall A	2010
Makdsi	F	Internal Medicine	Acute pancreatitis with eruptive xanthomas	J Hosp Med. 2010;5(2):115.	Makdsi F, Fall A	2010
Maxwell	RA	Surgery	Scheduled repeat CT scanning for traumatic brain injury remains important in assessing head injury progression	J Am Coll Surg. 2010 May;210(5):824-30, 831-2.	Thomas BW, Mejia VA, Maxwell RA, Dart BW, Smith PW, Gallagher MR, Claar SC, Greer SH, Barker DE	2010
Maxwell	RA	Surgery	A randomized prospective trial of airway pressure release ventilation and low tidal volume ventilation in adult trauma patients with acute respiratory failure	J of Trauma 2010;69(3):501-11.	Maxwell RA, Green JM, Waldrop J, Dart BW, Smith PW, Brooks D, Lewis PL, Barker DE.	2010
Maxwell	RA	Surgery	Internal carotid artery thrombosis after blunt trauma--salvage therapy with the penumbra thrombectomy system	Am Surg. 2010 Mar;76(3):343-5.	Rader M, Ramsay P, Maxwell R, Baxter B	2010

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Maxwell	RA	Surgery	Gold Medal Forum Winner. Unfractionated heparin three times a day versus enoxaparin in the prevention of deep vein thrombosis in trauma patients	Arnold JD, Dart BW, Maxwell RA, Burkholder HC, Mejia VA, Smith PW, Longley JM	Am Surg. 2010 Jun;76(6):563-70	2010
Mejia	VA	Surgery	Scheduled repeat CT scanning for traumatic brain injury remains important in assessing head injury progression	J Am Coll Surg. 2010 May;210(5):824-30, 831-2.	Thomas BW, Mejia VA, Maxwell RA, Dart BW, Smith PW, Gallagher MR, Claar SC, Greer SH, Barker DE	2010
Mejia	VA	Surgery	Gold Medal Forum Winner. Unfractionated heparin three times a day versus enoxaparin in the prevention of deep vein thrombosis in trauma patients	Arnold JD, Dart BW, Maxwell RA, Burkholder HC, Mejia VA, Smith PW, Longley JM	Am Surg. 2010 Jun;76(6):563-70	2010
Mejia	VA	Surgery	Management of enteroatmospheric fistulae in the open abdomen	Am Surg. 2010 Jun;76(6):637-9.	Ramsay PT, Mejia VA	2010
Melvin	T	Internal Medicine/palliative care	Principles of wound care in hospice and palliative medicine	Am J Hosp Palliat Care. 2010 Aug;27(5):337-41. Epub 2010 Feb 18.	Navaid M, Melvin T, Berube J, Dotson S	2010
Melvin	T	Internal Medicine/palliative care	A palliative care approach in treating patients with sickle cell disease using exchange transfusion	Am J Hosp Palliat Care 2010 May;27(3):215-8. Epub 2010 Feb 18.	Navaid M, Belvin T	2010
Panda	M	Internal Medicine	Multiple recurrent stent thrombosis in a patient with coexisting clopidogrel resistance and increased anticardiolipin antibodies: a case report.	Case Reports in Med. Epub 2010 May 12	Middlebrooks EH, Panda M, Caine W	2010
Panda	M	Internal Medicine	Primary pulmonary choriocarcinoma in a male	BMJ Case Reports 2010;doi:10.1136/bcr.02.2010.2712	Hagdu A, Tindni A, Panda M	2010
Panda	M	Internal Medicine	Foot steps	Yale J of Humanities in Med, October 2010.	Kapadia A, Panda M	2010

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Panda	M	Internal Medicine	When cultures collide.	Yale J of Humanities in Med, October 2010.	Panda M, Gray B	2010
Panda	M	Internal Medicine	Do women residents delay childbearing due to perceived career threats?	Acad Med. 2010 Apr;85(4):640-6	Willett LL, Wellons MF, Hartig JR, Roenigk L, Panda M, Dearinger AT, Allison J, Houston TK	2010
Panda	M	Internal Medicine	Beer potomania: a case report	BMJ Case Reports 2010;doi:10.1136/bcr.10.2009.2414	Bhattarai N, Kafle P, Panda M	2010
Panda	M	Internal Medicine	A rare cause of seizure masquerading as neoplasm	BMJ Case Reports 2010;doi:10.1136/bcr.007.2010.3133	Krummert B, Scherer K, Whitley J, Sirelkhatim A, Panda M.	2010
Reade	EP	Pediatrics	Acute necrotizing encephalopathy progressing to brain death in a pediatric patient with novel influenza A(H1N1) infection	Clinical Infectious Diseases 2010;50(8):e50-52 (April 15, 2010)	Martin A, Reade EP	2010
Rowin	ME	Pediatrics	A call for full public disclosure for donation after circulatory determination of death in children	Pediatr Crit Care Med. 2011 May,12(3):375-377.	Nakagawa TA, Rigby MR, Bratton S, Shemis S, Ajizian SJ, Berkowitz I, Bowens CD, Cosio CC, Curley MA, Dhanani S, Dobyms E, Easterling L, Fortenberry JD, Helfaer MA, Kolovos NS, Koogler T, Lebovitz DJ, Michelson K, Morrison W, Naim MY, Needle J, Nelson B, Rotta AT, Rowin ME, Serrao K, Shore PM, Smith S, Thompson AE, Vohra A, Weise K	2011

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Rowin	ME	Pediatrics	Predictors of failure for high flow high humidity nasal cannula therapy in viral bronchiolitis	Peds Research 2010	Abboud P, Roth P, Skiles C, Stolfi A, Rowin ME	2010
Rudd	JN	Orthopaedic Surgery	Arteriovenous fistula and pseudoaneurysm of the posterior tibial artery after calcaneal slide osteotomy: a case report	Foot Ankle Int. 2010 Apr;31(4):329-32	Doty JF, Alvarez RG, Asbury BS, Rudd NJ, Baxter WB	2010
Rudd	JN	Orthopaedic Surgery	Radial collateral ligament injury of the thumb with a stener-like lesion	Orthopedics. 2010 Dec 1;33(12):doi:10:3928/01477447-20101021-30.	Doty JF, Rudd JN, Jemison M	2010
Severance	HW	Surgery/EM	Use of pulse co-oximetry as a screening and monitoring tool in mass carbon monoxide poisoning	Prehosp Emerg Care. 2010 Jan-Mar;14(1):131-3	Bledsoe BE, Nowick K, Creel JH Jr, Carrison D, Severance HW	2010
Smith	PW	Surgery	Gold Medal Forum Winner. Unfractionated heparin three times a day versus enoxaparin in the prevention of deep vein thrombosis in trauma patients	Arnold JD, Dart BW, Maxwell RA, Burkholder HC, Mejia VA, Smith PW, Longley JM	Am Surg. 2010 Jun;76(6):563-70	2010
Sprouse 2nd	LR	Surgery	Management of chronic mesenteric vascular insufficiency: an endovascular approach	J Am Coll Surg. 2011 Apr;212(4):668-75; discussion 675-7	Schoch DM, LeSar CJ, Joels CS, Erdoes LS, Sprouse LR, Fugate MW, Greer MS, Fisher DF, Mixon H, Hogan M, Burns RP	2011
Standridge	JB	Family Medicine	Urine drug screening: a valuable office procedure	Am Fam Physician. 2010 Mar 1;81(5):635-40	Standridge JB, Adams SM, Zotos AP	2010
Stanley	JD	Surgery	Clostridium difficile and the surgeon	Am Surg. 2010 Mar;76(3):235-44. Review.	Stanley JD, Burns RP	2010
Stanley	JD	Surgery	The Ferguson Operating Anoscope as a minimally invasive option for the treatment of rectal tumors	Am Surg. 2010 Aug;76(8):850-6.	Stanley JD, Bell C, Hinkle N, Moore RA, Burns RP	2010

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Staton	LJ	Internal Medicine	Marketing to increase participation in a web-based continuing medical education cultural competence curriculum	J Con Ed in the Health Professions 2011;31(1):21-27	Estrada CA, Krishnamoorthy P, Smith A, Staton L. et al.	2011
Staton	LJ	Internal Medicine	What should we include in a cultural competence curriculum? An emerging formative evaluation process to foster curriculum development	Acad Med. 2011 Mar;86(3):333-341	Crenshaw K, Shewchuk RM, Qu H, Staton LJ, Bigby JA, Houston TK, Allison J, Estrada CA	2011
Stevens	CA	Pediatrics	Minimal evidence for a direct involvement of twisted gastrulation homolog 1 (TWSG1) gene in human holoprosencephaly	Mol Genet Metab. 2011 Apr;102(4):470-80. Epub 2010 Dec 21.	Kauvar EF, Hu P, Pineda-Alvarez DE, Solomon BD, Dutra A, Pak E, Blessing B, Proud V, Shanske AL, Stevens CA, Rosenfeld JA, Shaffer LG, Roessler E, Muenke M.	2011
Stevens	CA	Pediatrics	Distinctive phenotype in 9 patients with deletion of chromosome 1q24-q25.	Am J Med Genet A. 2011 Jun;155(6):1336-51. doi:10.1002/ajmg.a.3409. Epub 2011 May 5	Burkhardt DD, Rosenfeld JA, Helgeson ML, Angle B, Banks V, Smith WE, Gripp KW, Moline J, Moran RT, Niyazov DM, Stevens CA, Zackai E, Lebel RR, Ashley DG, Kramer N, Lachman RS, Graham JM Jr.	2011
Stevens	CA	Pediatrics	Steinfeld syndrome: further delineation	Am J Med Genet A 2010 July;152A(7):1789-92	Stevens CA	2010

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Stevens	CA	Pediatrics	Adults with Rubinstein-Taybi syndrome	Paper presented at the David W. Smith Workshop on Malformations and Morphogenesis. Seattle, WAY, August 2010	Stevens CA	2010
Stevens	CA	Pediatrics	New lethal skeletal dysplasia with Dandy-Walker malformation, congenital heart defects, abnormal thumbs, hypoplastic genitalia, and distinctive facies	Am J Med Genet A. 2010 Aug;152A(8):1915-8.	Stevens CA, Lachman RS	2010
Stevens	CA	Pediatrics	Impaired memory CD8 T cell responses against an immunodominant retroviral cryptic epitope	Virology. 2011 Apr 10;412 (2):256-68. Epub 2011 Feb 4.	Rutkowski MR, Stevens CA, Green WR	2011
Torres	C	OB/GYN	Digibind reverses inhibition of cellular rb+ uptake caused by endogenous sodium pump inhibitors present in serum and placenta of women with preeclampsia	Hopoate-Sitake ML, Adair CD, Mason LA, Torres C, Kipikasa J, Graves SW	Reprod Sci. 2010 Oct 19 [Epub ahead of pring]	2010
Tumlin	JA	Internal Medicine	Treatment of nephrotic syndrome with adrenocorticotrophic hormone (ACTH) gel	Drug Des Devel Ther. 2011 Mar 14;5:147-153	Bombback AS, Tumlin JA, Baranski J, et al.	2011
Tumlin	JA	Internal Medicine	A longitudinal study of uremic pruritus in hemodialysis patients	Clin J Am Soc Nephrol. 2010 Aug;5(8):1410-9. Epub 2010 Jun 17.	Mathur VS, Lindberg J, Germain M, Block G, Tumlin J, Smith M, Grewal M, McGuire D, ITCH National Registry Investigators	2010
Tumlin	JA	Internal Medicine	Incidence of contrast-induced nephropathy after contrast-enhanced computed tomography in the outpatient setting	Clin J Am Soc Nephrol. 2010 Jan;5(1):4-9. Epub 2009 Dec 3.	Mitchell AM, Jones AE, Tumlin JA, Kline JA	2010

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Tumlin	JA	Internal Medicine	Impaired blood flow in acute kidney injury: pathophysiology and potential efficacy of intrarenal vasodilator therapy.	Curr Opin Crit Care. 2009 Oct 13	Tumlin JA	2009
Tumlin	JA	Internal Medicine	A phase III, randomized, double-blind, placebo-controlled study of tenecteplase for improvement of hemodialysis catheter function: TROPICS3	Tumlin J, Goldman J, Spiegel DM, Roer D, Ntoso KA, Blaney M, Jacobs J, Gillespie BS, Begelman SM	Clin J Am Soc Nephrol. 2010 Apr;5(4):631-6. Epub 2010 Feb. r	2010
Tumlin	JA	Internal Medicine	A selective cytopheretic inhibitory device to treat the immunological dysregulation of acute and chronic renal failure	Blood Purif. 2010;29(2):183-90. Epub 2010 Jan 8.	Humes HD, Sobota JT, Ding F, Song JH, RAD Investigator Group	2010
Zema	MJ	Internal Medicine	Poor R wave progression revisited	Am J Cardiol. 2010 Feb 1;105(3):422-3.	Zema MJ	2010
Zylstra	RG	Family Medicine	Delirium as proxy for health care reform	South Med J. 2010 Feb;103(2):104	Zylstra RG	2010
Zylstra	RG	Family Medicine	Adolescent bipolar disorder: a clinical vignette	Clin Psychiatry 2010;12(4).	Rodgers MJ, Zylstra RG, McKay JB, Solomon AL, Choby BA	2010