



From the Dean's Office

Celebrating Several Firsts



James J. Neutens, PhD

The past couple of months have provided several opportunities for celebration at the UT Graduate School of Medicine, particularly in regards to our education component. The National Resident Matching Program released its Match results to residency programs nationwide on March 11, and for the first time in more than 20 years, [all residency positions filled](#) at UTGSM through the Match program. I want to again congratulate our program directors, coordinators, chairs, the GME office, and especially our residents for the steps you have taken to make our programs nationally and

internationally recognized.

I want to extend congratulations to Radiology Resident Dr. Samuel Porter and the Radiology Department. Another first, [Dr. Porter received a 100th percentile score](#) on a Radiology diagnostic test taken by residents internationally. Not only does this speak highly of the skills he will take into medical practice but also of the education residents receive in the Radiology Residency Program at the UT Graduate School of Medicine.

Also a first, I would like to commend the Continuing Education and Professional Development department for its [initiative to use focus groups at conferences](#). Facilitated by staff in the Office of Medical Education, Research and Development, focus groups can further impact the learning available through our continuing education conferences and further improve patient care throughout the region.

Our clinical partner, The University of Tennessee Medical Center, also celebrates a big first, [earning the Achievement Award](#) from the Tennessee Center for Performance Excellence. This award speaks highly of the quality of care provided at the medical center by all staff, both medical and non-medical.

We have also grown our collaborations within the UT system. The [Institute for Biomedical Engineering recently opened](#), bringing together expertise in engineering, medicine, veterinary medicine,

arts & sciences, nursing, agriculture and others, to research solutions to medical problems.

I also want to note a milestone for General Dentistry, congratulations to Dr. O. Lee Wilson for its [grant from Delta Dental of Tennessee](#), presented by Dr. Phil Wenk, to allow for advanced dental care for children.

This issue of *The Scope* provides many other success stories, including [breakthroughs in radiation therapy](#) and continued [consumer health outreach in Africa](#). It is my hope that reading these achievements instills a feeling of pride in all who are a part of our growing community, including the faculty, staff, residents and fellows, students, and others who volunteer their time and efforts to propel our mission forward.

James J. Neutens, PhD, FASHA
Dean

Dean's Retreat Focuses on Moving Forward

James Neutens, PhD, Dean of the UT Graduate School of Medicine hosted a Dean's Retreat on March 5 at the UT Conference Center, inviting leaders from the UT Graduate School of Medicine as well as The University of Tennessee Medical Center. Guest speaker R. Kevin Grigsby, DSW, Association of American Medical Colleges Senior Director, Leadership and Talent Development, facilitated the event with activities designed to help attendees consider the best attributes of the entire organization as well as team members' commitment to them.

Dr. Grigsby noted that while there is a lot of integration at the medical center, there is a need for much more in order to survive the current times in health care and medical education. In order to achieve further integration, Dr. Grigsby discussed the advantage of not looking at an organization as a hierarchy and instead managing from the middle. He also discussed the importance of collaboration. He said that effective communication, cooperative attitudes and integrated teams are the hallmarks of successful collaboration.

Dr. Grigsby characterized under-integrated systems as having inconsistency among parts, competition for resources, non-cooperation and duplication of effort. He recommended the best way to make decisions for an organization is through consensus where teams cooperate together, everyone is heard, and one mutual agreement is reached.

Dean Neutens said, "I believe Dr. Grigsby helped leadership to see the big picture as we move forward. To do this will require a modification in our current model or health care system—one that brings a win for everyone at the table as well as fosters growth in our mission of education, discovery and healing. In a way, this retreat was a 'kick off' for the future."

The University of Tennessee Medical Center Earns TNCPE Achievement Award



[The University of Tennessee Medical Center](#) is one of nine businesses and organizations in the state of Tennessee to earn the Achievement Award from the [Tennessee Center for Performance Excellence](#) (TNCPE). TNCPE is Tennessee's only

statewide quality program patterned on the [Baldrige Performance Excellence Program](#), the national standard for recognizing organizational excellence.

Representatives from the medical center accepted the award at the 20th Anniversary Excellence in Tennessee awards banquet in Nashville.

"I want to thank UT Medical Center for its commitment to improvement and excellence," Gov. Bill Haslam said in presenting the award. "For twenty years, TNCPE has been helping organizations become more efficient and effective, and UT Medical Center, in partnership with TNCPE, is doing its part to help build a stronger, better Tennessee."

To serve through healing, education and discovery, the medical center holds a unique prominence as the region's only academic medical center in partnership with the UT Graduate School of Medicine; Magnet® recognized hospital; Level I trauma center; and major referral center for East Tennessee. Through an annual evaluation and assessment process, TNCPE recognizes high-performance organizations that exhibit continuous improvement and best practice processes. They represent outstanding achievement in the following industry sectors: health care, manufacturing, service, education, government and nonprofit.

New GSM Faculty and Staff

Robert Bertoli, MD, *Assistant Professor*, Radiology (Served as UTGSM clinical faculty)

David Crouch, MD, *Clinical Assistant Professor*, Family Medicine

Leonard Lamsen, MD, *Clinical Assistant Professor*, Family Medicine (UTGSM Family Medicine Residency alumnus)

Carol Ann Shipley, DDS, *Clinical Instructor*, General Dentistry

Janakiraman Subramanian, MD, *Clinical Assistant Professor*, Medicine

Grover Chase Wilson, MD, *Clinical Assistant Professor*, Family Medicine (UTGSM Family Medicine Residency alumnus)

Education

Preston Medical Library Faculty Continue Consumer Health Education in Africa



Preston Medical Librarians Cynthia Vaughn (front left) and Marth Earl (front, third from left) in Johannesburg, South Africa, with their trainees.

Nearly one year since conducting global outreach in South Africa, Preston Medical Library faculty returned to Africa to conduct another series of consumer health information workshops. Adding Botswana to their trip, Martha Earl, MSLS, AHIP, Associate Professor, and Cynthia Vaughn, MLIS, Associate Professor, covered topics such as how to find reliable health information as well as a "train the trainer" workshop.

Their first day of classes was held in Gabarone, Botswana, at the University of Botswana, which includes a new medical school. Here Earl and Vaughn taught abbreviated classes about consumer health resources.

The next three days were spent in Johannesburg, South Africa, where they trained librarians how to teach families in their own community to find reliable health information. Vaughn said, "It is exciting to see their energy and passion about consumer health information."



Martha Earl (right) leads discussion in Johannesburg, South Africa.

Both trips were sponsored by the U.S. Embassy and the

[Library and Information Association of South Africa](#). The 2012 trip was initiated by Steven Kerchoff, Information Resource Officer in the U.S. Embassy in Pretoria, South Africa. Kerchoff approached Vaughn and Earl following an invited speaker session at the 2011 American Library Association Annual Conference, "Consumer Health Information: Library Partnerships that Serve the Community." Earl and Vaughn will present a poster regarding their efforts in South Africa at the Medical Library Association Conference in May 2013.

To learn more about their trip, [read Vaughn's blog](#) describing the culture, food and landscape encountered on their journeys.

UTCOT Student Initiates Tours to Prospective Medical Students



UTCOM fourth-year student Jennifer Winbigler gives a tour of Preston Medical Library to a prospective student.

Prospective [UT College of Medicine](#) medical students who have their second admissions interview on the Knoxville campus now have the opportunity to tour The University of Tennessee Medical Center guided by UTCOM – Knoxville students. Jennifer Winbigler, M4, initiated the tours to welcome prospective students and promote that UTCOM students can now complete their third and fourth

years of medical school entirely on the Knoxville campus.

Winbigler said, "I remember when I interviewed. In Memphis, it's a full-day process. They provide tours and tell about the campus and hospital facility. I think letting prospective students know as soon as possible that UTCOM - Knoxville is now a two-year campus and telling them about the atmosphere at the UT Graduate School of Medicine might affect their decision to attend UT."

Winbigler gave the first tour on February 19. Her first stop was Preston Medical Library where she discussed the benefits of having a dedicated medical library. She also discussed the one-on-one attention medical students receive, mentioning that there are three residents to each medical student. Winbigler also noted that the smaller campus has allowed her to meet and work with more medical staff, and she feels like she has gotten to know all of the attendings. In addition to the library, the 20-minute tour included visits to labor and delivery, the 12th floor, cafeteria, coffee shop, Heart Hospital, cardiovascular intensive care unit, OR, and emergency department.

Students applying to the UTCOM go through a two-interview process for admissions. While one interview is required on the Memphis campus, students have the opportunity to have their second interview in one of several cities throughout Tennessee, including Knoxville and Chattanooga, by a regional admissions committee member.

Learn more about [opportunities for UTCOM students](#) at the UT Graduate School of Medicine.

From Medical Student to Licensed Physician: The Role of the Graduate School of Medicine



The UT Graduate School of Medicine provides residency training for physician licensure for several medical specialties. Here Family Medicine Resident Dr. Sahar Lotfi checks a patient's vitals.

The process of earning a medical degree and becoming a licensed, practicing physician requires more than simply graduating from an accredited medical school and taking a licensing exam. After graduating from a medical school, such as the UT College of Medicine at the UT Health Science Center in Memphis, medical doctors must complete post-graduate training, called a residency period.

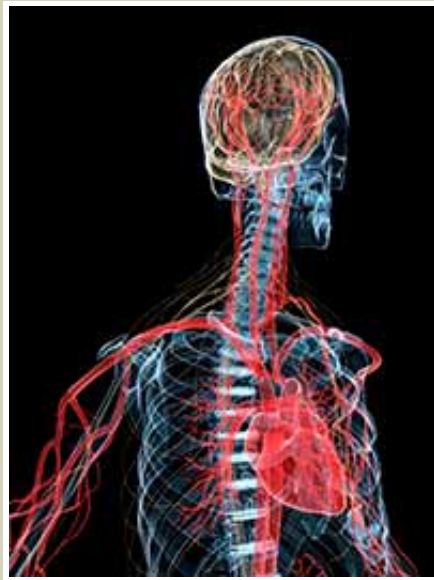
The role of a graduate school of medicine, such as the UT Graduate School of Medicine, is to provide this residency training, which further prepares doctors to practice within a specialty, such as anesthesiology, family medicine, medicine, pathology, radiology, surgery or others. The length of the residency varies from program to program and is typically three to five years. Upon completion of a residency, physicians may then obtain licensure and begin practice, or they may choose to further specialize through a fellowship program at the UT Graduate School of Medicine or elsewhere.

Residency education occurs in teaching hospitals and academic medical centers, such as The University of Tennessee Medical Center, that have been certified for that purpose. At the UT Graduate School of Medicine, which partners with the hospital component of the medical center, all doctors are supervised by attending faculty physicians.

The UT Graduate School of Medicine currently offers residency training in [Anesthesiology](#), [Family Medicine](#), [General Dentistry](#), [Medicine](#), [Obstetrics and Gynecology](#), [Oral and Maxillofacial Surgery](#), [Pathology](#), [Radiology](#), [Transitional Year](#), [Surgery](#) and [Urology](#). Fellowships are also offered for [Emergency Medicine](#) and [Sports Medicine](#), [Cardiovascular Disease](#) and [Pulmonary Disease](#), [Cytopathology](#), [Surgical Critical Care](#) and [Vascular Surgery](#), and [Oral/Head and Neck Surgery](#).

Read future issues of *The Scope* for a closer look at the training requirements to become a practicing physician in each program offered by the UT Graduate School of Medicine. Next issue: [Anesthesiology](#)

Stroke Conference Addresses the Complex Patient



[Register today](#) to attend the continuing medical education conference, *Fifth Annual Stroke Symposium: Managing the Complex Stroke Patient*, set for Tuesday, May 7, University of Tennessee Conference Center, Knoxville. The symposium offers presentations by experts addressing care for critically ill cerebrovascular patients and administration of thrombolytics for acute ischemic stroke. Guest speaker is Andrew D. Barreto, MD, an Assistant Professor of Neurology at the University of Texas Medical School, Houston, and other speakers represent the specialties of

neurology, radiology, anesthesiology, palliative care and pharmacy. Presentations also will address the opportunity for improved care and challenges presented by the Comprehensive Stroke Center certification.

The conference is approved for AMA and AAPA credits as well as CEUs and is presented by The University of Tennessee Medical Center Brain and Spine Institute and UT Graduate School of Medicine, Knoxville. Registration and information are available at www.tennessee.edu/cme/Stroke2013. A lower registration fee is available to those who register by April 23. For more information, visit www.tennessee.edu/cme/Stroke2013 or call 865-305-9190.

CEPD Uses Focus Groups to Educate, Learn



A diverse group of participants of the Diabetes Regional Conference takes part in a focus group, offering insights into barriers to treatment in the inter-professional healthcare setting.

The office of Continuing Education and Professional Development (CEPD) employed focus groups to learn and teach about managing diabetes. A professionally diverse group of more than 20 physicians, nurses, pharmacists, dietitians and others took part in the first-ever focus group sessions during the *Ninth Annual Diabetes Regional Conference*, March 16.

Led by Patrick Barlow, Office of Medical Education, Research and Development, and Tiffany Smith, PhD Candidate, the groups discussed potential barriers to treatment for the diabetic patient in the inter-professional healthcare setting.

Evaluations from participants were overwhelmingly positive for helping them identify, articulate and learn to manage barriers to treating patients with diabetes. Many stated that they gained

from "being able to talk with multiple disciplines" and "[interacting] with other providers and discussing challenges." They said that the changes they will make as a result of participating in the focus group include "refocus priorities in individualized education" and "...[be] more attuned to consulting help from other professions."

CEPD is an accredited provider of continuing medical and dental education, which earned Accreditation with Commendation from the Accreditation Council for Continuing Medical Education in 2009 for a six-year period.

"This higher standard of professionalism and delivery of educational activities requires that our office meet additional criteria," says Laura Maples, Director, CEPD. "The focus groups help us demonstrate an effort to impact patient outcomes and physician change."

Qualitative results of the focus groups will be used in a proposal to present the activity at the January 2014 meeting of the Alliance for Continuing Education in the Health Professions.

Diabetes Conference Educates Many about Medical Home



(From left) Kevin Peterson, MD, MPH, is the featured speaker at the Diabetes Regional Conference and is joined by Michelle Farland, PharmD; Donald Keeble, MD, Course Director; Amit Vora, MD; and Betsy Bohannon, RD.

The *Ninth Annual Diabetes Regional Conference* was held March 16, at Hilton Knoxville.

Featured speaker, Kevin Peterson, MD, MPH, University of Minnesota, and other conference presenters educated a large crowd of physicians, pharmacists and other healthcare professionals. Experts explained how the patient-centered medical home model can help achieve better outcomes for patients and

described recent advancements in managing diabetes.

The conference was approved for AMA, AAPA, AAFP, ACPE and CPE credits as well as CEUs and was presented by the UT Graduate School of Medicine and Department of Family Medicine, Knoxville.

Inaugural Medicine Conference Addresses Changing Healthcare



Some of the speakers at the 2013 Medicine Conference include (from left) Amit Vora, MD, Mark Rasnake, MD, Russell Smith, MD, Dan Ely, MD, and Stuart Bresee, MD.

The *Annual Medicine Conference: Optimizing Patient Care for a Changing Population*, held March 1-2, at the University of Tennessee Conference Center, Knoxville, drew more than 100 attendees. Primary care physicians, physician assistants, pharmacists, nurse practitioners and other professionals learned from 15 experts in areas critical to maintaining excellent patient care in a changing healthcare environment.

The conference was sponsored by the UT Graduate School of Medicine, Knoxville, and was approved for AMA, AAPA, AAFP and ACPE credits and CEUs.



Joining Department Chair Rajiv Dhand, MD, (far left) at the 2013 Medicine Conference are alumni of the Department of Medicine: (back row from left) Kimberly Morris, MD, Russell Smith, MD, Janet Purkey, MD, David Petty, MD, Ed Mendez, MD, and (front row from left) Kathrine Smyth, MD, and Rocio Huet, MD.

Upcoming CE Opportunities

Visit www.tennessee.edu/cme for details about these and more upcoming certified continuing education activities presented by the UT Graduate School of Medicine.

Second and Fourth Monday: Head and Neck Tumor Board Series, Cancer Institute Conference Room, 12-1 p.m.

Second Tuesday: Medicine Grand Rounds, Morrison's Conference Center, 8-9 a.m.

Every Wednesday: Tumor Board Series, Cancer Institute Conference Room, 7:00-8:30 a.m.

Every Thursday: Pulmonary Tumor Board Series, Cancer Institute Conference Room, 7-8 a.m.

Every Thursday: Surgery Grand Rounds, Morrison's Conference Center, 7-8 a.m.

Every Friday: Breast Cancer Tumor Board Series, Cancer Institute Conference Room, 7:00-8:30 a.m.

April 19, 2013: East Tennessee Dermatology Society Meeting, Fort Sanders West, Knoxville, Lee Dittrich, MD, 865-690-9467

May 7, 2013: [Fifth Annual Stroke Symposium](#), UT Conference Center, Knoxville

Visit [Continuing Education and Professional Development Upcoming Courses](#) or [contact](#) CEPD for a complete list of continuing education and professional development activities.

Discovery

The University of Tennessee Establishes Institute of Biomedical Engineering (iBME)



(From left) Christopher Stephens, PhD, and Mohamed Mahfouz, PhD, help lead collaborative research through the new Institute of Biomedical Engineering.

UT has launched a new institute to research solutions to medical problems such as devices for improved delivery of medications and monitoring of patients; better imaging technology; regenerative models to help the body heal itself; and optimized efficiency in the healthcare setting. Finding answers to these and many other healthcare problems is possible through a unique collaboration introduced by the new Institute of

Biomedical Engineering (iBME). This new institute connects not only engineering and medicine but also three diverse UT campuses in a collaboration that is unique in the country; innovative for UT faculty, physicians and students; and beneficial to people everywhere.

On February 1, the UT College of Engineering (COE) and the Office of Research & Engagement in collaboration with the UT Graduate School of Medicine (GSM) and UT College of Veterinary Medicine (CVM) established a new multidisciplinary initiative: the Institute of Biomedical Engineering (iBME). While the institute is operationally based in the engineering college, it is intended to

be an intellectual bridge to a number of disciplines including engineering, medicine, veterinary medicine, arts & sciences, nursing, agriculture and others.

iBME provides a unique opportunity for UT to respond to the growing demand for education and research opportunities in the rapidly expanding field of biomedical engineering. Researchers from the three founding institutions work collaboratively with scientists, physicians, faculty and students from many UT disciplines to research today's medical problems, resulting in better healthcare for the state and beyond.

The goals of iBME include generating cross-disciplinary teams to develop healthcare innovations and discover new research funding; to offer a multidisciplinary curriculum and real-world medical experiences to engineering students; to provide a regional resource to improve the general public's understanding of biomedical engineering; and to establish outreach to area educators and students to develop interest in and knowledge of the field.

"We are coming together to capitalize on resources and collaborate on medical problems that can only be solved through such teamwork," says Mohamed Mahfouz, PhD, Professor in the COE and Director of iBME. "If we confine the field of biomedical engineering into just one department, we lose the perspective of what can be accomplished."

Research focus areas include molecular, cellular and tissue engineering; healthcare engineering; and imaging, biomechanics and devices. iBME will also feature masters and PhD programs in biomedical engineering that include specialization tracks in the three research focus areas.

[Dr. Mahfouz](#), Professor of Biomedical Engineering in the Department of Mechanical, Aerospace and Biomedical Engineering (MABE) and an internationally established researcher in the field of biomedical engineering, is the director of iBME. [Dr. Eric Boder](#), Associate Professor in the Department of Chemical Engineering, is the Institute's Academic Director; and serving as Research and Outreach Director is [Dr. Christopher Stephens](#), Medical-Engineering Liaison and Assistant Professor in the COE, GSM, the Center for Materials Processing, and the Biomedical Engineering program in MABE.

Preclinical Scientists Contribute to Groundbreaking Radiation Therapy Research

In a new study, researchers have demonstrated the ability to harness powerful radioactive particles and direct them toward small cancer tumors while doing negligible damage to healthy organs and tissues. The collaborative study among the University of Missouri, Oak Ridge National Laboratory and the UT Graduate School of Medicine, was recently [published in *Fios Cne*](#), an international, peer-reviewed journal.

Radiation treatment with radioisotopes targeted with antibodies has traditionally employed the use of radiation particles known as beta particles. Scientists, including Jonathan Wall, PhD, Director, [Preclinical and Diagnostic Molecular Imaging Laboratory](#), and Stephen Kennel, PhD, Radio-Biochemist, PDMIL, have been studying how to use more powerful alpha particles instead, which act locally (within a few cell diameters), but have 7,000 times the killing potential of beta particles. The challenge has

been confining the alpha particles to the cancerous cells in the body to preserve healthy organs and tissue.

Dr. Kennel and Saed Mirzadeh, PhD, Oak Ridge National Laboratory, have been working with alpha emitting radioisotopes since the early 1990s. Original work was done with Bi-213, which emits only one alpha particle and has a short half-life of 45 minutes. To increase the potency of targeted alpha therapy, the researchers have been working with actinium, which emits four alpha particles per atom and has a much longer half-life of 10 days. However, when the actinium atom decays, it can come loose from its target and cause damage in normal tissue in other parts of the body. That's when Mark McLaughlin, PhD Candidate, and J. David Robertson, PhD, Professor, in the Department of Chemistry at the University of Missouri, designed a gold-plated nanoparticle to serve as a holding cell for the alpha particles that keeps them at the cancer site. This device has been called a nanogenerator and is very lethal to tumor cells. The team has shown that targeting of the nanogenerator actinium can be followed by molecular imaging and that in a preclinical model system, it can provide effective therapy for lung metastasis of breast cancer. The goal now is to find a good way to translate this finding into a clinically useful product.

The research team includes:

Rose Boll, PhD, Oak Ridge National Laboratory
Stephen Kennel, PhD, UT Graduate School of Medicine
Mark McLaughlin, University of Missouri, Columbia
Saed Mirzadeh, PhD, Oak Ridge National Laboratory
J. David Robertson, PhD, University of Missouri, Columbia
Adam Rondinone, PhD, Oak Ridge National Laboratory
Jonathan Wall, PhD, UT Graduate School of Medicine
Jonathan Woodward, PhD, Oak Ridge National Laboratory

Healing

Dentistry Receives Donation from Delta Dental to Support Specialized Dentistry



(From left) Dr. Jim Neutens, Dr. O. Lee Wilson, Dr. Phil Wenk and Joe Landsman

A \$100,000 donation by Delta Dental of Tennessee to [General Dentistry](#) will allow for advanced dental care for children and those with special needs in the East Tennessee region. The donation, presented by Delta Dental of Tennessee President and CEO Phil Wenk, DDS, on February 1, will allow General Dentistry to create an additional operating room for cases that require treatment beyond

what can be done at a typical dental practice office.

"This donation will help us expand the services we provide to those in need in our community," said O. Lee Wilson, DMD,

Associate Professor, Chairman and Residency Program Director of General Dentistry. "As the need for these procedures continues to grow, it is important for us to become more efficient and have the most advanced equipment available to serve our patients."

Dr. Wilson said in the years since completing his dental residency at the UT Graduate School of Medicine, the number of cases requiring a dental operating room has risen from about 30 to more than 150 per year. An additional dental operator, according to Dr. Wilson, will allow for more cases to be scheduled within the busy operating suites. Also, training general dentists in the residency program in the use of the operating suite will help to add additional providers to care for their population of patients.

"Delta Dental of Tennessee is proud to be able to help fund this new children's oral health operatory so that the local dental community will be able to provide much needed care to their patients in a more timely way," said Phil Wenk, DDS, President and CEO, Delta Dental of Tennessee.

Dr. Wenk and Dr. Wilson expect the cases involving those with special needs and children who require a dental operatory in East Tennessee and throughout the state of Tennessee to continue to increase in the coming years.

[Delta Dental of Tennessee](#), with its affiliates in Arkansas, Indiana, Kentucky, Michigan, New Mexico, North Carolina and Ohio collectively are among the largest dental plan administrators in the nation. In 2011, the enterprise paid out \$2.5 billion for dental treatment for nearly 10.4 million enrollees. Offices are located in Nashville, Knoxville and Memphis, Tennessee; Sherwood and Little Rock, Arkansas; Indianapolis, Indiana; Louisville, Kentucky; Okemos and Farmington Hills, Michigan; Albuquerque, New Mexico; Raleigh and Charlotte, North Carolina; and Columbus and Cleveland, Ohio.

Featured Faculty

Faculty Recognized during UT Faculty Appreciation Week



Dr. Mark Rasnake teaches residents in the UT Center for Advanced Medical Simulation. He was one of many faculty recognized during Faculty Appreciation Week.

UT held Faculty Appreciation Week from February 25 through March 1, with activities to celebrate the university's faculty and their teaching, research and outreach efforts. Faculty Appreciation Week debuted in 2010 as a way to offer special recognition to faculty whose teaching, research and outreach activities have helped make UT the great university that it is today.

[Follow UTGSM on Facebook](#) throughout the month of April to read the comments submitted about the following faculty:

Daniel Bustamante, MD, *Assistant Professor, Anesthesiology*

Joe Rainey, DDS, *Instructor, Dentistry*

O. Lee Wilson, DMD, *Chairman, Associate Professor, Program Director, Dentistry*

Irfan Asif, MD, *Assistant Professor and Sports Medicine Fellowship Director, Family Medicine*

Kenneth Bielak, MD, *Associate Professor, Family Medicine*

Julie Jeter, MD, *Assistant Professor, Family Medicine*

Maricarmen Malagon-Rogers, MD, *Family Medicine*

William Metheny, PhD, *Assistant Dean, Graduate Medical and Dental Education*

Crystal Gue, MD, *Associate Professor, Medicine*

Daphne Norwood, MD, *Assistant Professor and Associate Residency Program Director of Medicine and Transitional Year Residency Program Director*

James Shamiyeh, MD, *Clinical Assistant Professor, Medicine*

Mark Rasnake, MD, *Assistant Professor and Residency Program Director, Medicine*

Craig Towers, MD, *Associate Professor, Obstetrics and Gynecology*

Kristopher Kimball, MD, *Assistant Professor, Obstetrics and Gynecology*

Nikki Zite, MD, *Associate Professor and Residency Program Director, Obstetrics and Gynecology*

Pleas Copas, MD, *Associate Professor, Obstetrics and Gynecology*

Alan Grindstaff, MD, *Assistant Professor, Pathology*

Peter Petruzzi, MD, *Assistant Professor, Radiology*

James McLoughlin, MD, *Associate Professor, Surgery*

John Bell, MD, *Professor, Surgery*

Michael Freeman, MD, *Professor and Vascular Surgery Fellowship Director, Surgery*

Scott Stevens, MD, *Professor, Surgery*

Deidra Mountain, MD, *Associate Professor, Surgery*

Founding Member of UT Department of Surgery Dr. John Kesterson Passes Away



Dr. John Kesterson

John Kesterson, MD, passed away in January at age 94. He was a surgeon in the Knoxville area, recently honored for more than 50 years of service by the Knoxville Academy of Medicine. He was one of the first surgeons to practice at The University of Tennessee Medical Center.

Dr. Kesterson pioneered many surgical procedures and taught his procedures to other surgeons in the region. He impacted UT surgeons in numerous capacities.

"He was many persons to me," said Hobart Akin, MD, Assistant Professor, Surgery. "When I was a teenager he was a neighbor. He was my surgeon when I had

an injury to my left hand. During my surgical residency, he was my teacher and mentor. Last of all, he was my friend. He will be missed but not forgotten."

Dr. Kesterson graduated from Vanderbilt Medical School at the age of 19 by attending year round, earning his place among the Canby-Robinson Society, an honor given to him by graduating first in his class. He completed his medical internship in March 1943. He enlisted in the U.S. Army and served as Chief of Anesthesiology for the 114th General Hospital stationed in Midlands, England, on the Severn River. As chief anesthetist, he performed more than 60,000 anesthesia procedures on wounded soldiers. After the war, he returned to Knoxville and opened a general surgical practice and worked the surgery rooms in Knoxville General, Baptist Regional Medical Center, Fort Sanders Regional Medical Center, St. Mary's Health System and The University of Tennessee Medical Center.

Annual Giving Society Gives Faculty the Opportunity to Support UT Medical Center

UT Graduate School of Medicine faculty have the opportunity to join the Docere Society, an annual giving society for the physician and faculty members of The University of Tennessee Medical Center and UT Graduate School of Medicine. Docere Society members, under the leadership of Raymond Dieter, MD, Associate Professor, Surgery's Division of Cardiothoracic Surgery, and his committee, are physicians who have pledged a \$10,000 gift to any fund at the medical center or Graduate School of Medicine to be paid over a maximum period of five years.

Docere, the root of the word "doctor", means "to teach" in Latin. All Graduate School of Medicine physicians are also teachers, but those making donations to the Docere Society have made a unique commitment to future generations of medical staff.

The University of Tennessee Medical Center CEO and President Joe Landsman hosted an initial Docere Society fellowship gathering for all physicians. Fellowship events for all physicians will continue on a quarterly basis with varying themes, and the society also will host members-only events.

Joining Dr. Dieter on the Docere Society Leadership Committee are

Paul Branca, MD, *Clinical Assistant Professor*, Medicine
Lisa Duncan, MD, *Chair and Associate Professor*, Pathology
Robert Elder, MD, *Professor*, Obstetrics and Gynecology
Jerry Epps, MD, *Chair and Associate Professor*, Anesthesiology
Susan Newman, MD, *University Cancer Specialists*
Jeffrey Johnson, MD, *Clinical Assistant Professor*, Medicine
Garnetta Morin-Ducote, MD, *Assistant Professor*, Radiology
H. Sperry Nelson, MD, *Professor*, Surgery
Jeffrey Peeke, MD, *Assistant Professor*, Radiology
Melissa Phillips, MD, *Assistant Professor*, Surgery
David Rankin, MD, *UT Internal Medicine Associates*
Amy Barger-Stevens, MD, *Associate Professor and Residency Program Director*, Family Medicine
Michael Walsh, MD, *Clinical faculty*, Surgery
Wesley White, MD, *Assistant Professor*, Urology

For more information about becoming a Docere Society member, please contact Rachel Greene in the Development Office, 865-305-6611.

Dr. McCoy Joins the Journal of Oral and Maxillofacial Surgery's Editorial Board



Dr. J. Michael McCoy

J. Michael McCoy, DDS, Professor Oral and Maxillofacial Surgery, Pathology and Radiology, has been named to the editorial board of *Journal of Oral and Maxillofacial Surgery*. This monthly journal offers comprehensive coverage of new techniques, important developments and innovative ideas in oral and maxillofacial surgery. Practice-applicable articles help develop the methods used to handle dentoalveolar surgery, facial injuries and deformities, TMJ disorders, oral cancer, jaw reconstruction, anesthesia, and analgesia. The journal also includes specifics on new instruments and

diagnostic equipment and modern therapeutic drugs and devices.

Dr. McCoy joins Eric Carlson, DMD, MD, Chair and Professor, who is section editor for Surgical Oncology and Reconstruction. Visit joms.org to see for more information.

Faculty Represent UTGSM in the News

Faculty often represent the UT Graduate School of Medicine in media. These are recent news items.

["Steps for Surgical Patients to Fight Infection"](#)

The *Wall Street Journal* features the improvement in surgical-site infections by the University Joint Replacement Center, an effort between both patients and the entire hospital team to minimize infections. The physicians, including faculty George Baddour, Jr., MD, Clinical Instructor; Michael S. Eilerman, MD, Clinical Instructor; E. Michael Holt, MD, Clinical Instructor; G. Edward Jeffries, Jr., MD, Clinical Associate Professor; Philip G. McDowell, Jr., M.D; William R. Oros, M.D; Richard S. Smith, MD, Clinical Instructor; and Scott Smith, MD, Clinical Assistant Professor, advocate for patients to attend a class about preventing infection prior to surgery.

["Physician Spotlight: Dale C. Wortham, MD"](#)

Cardiology Director Dale Wortham, MD, Professor of Medicine and Cardiovascular Disease Fellowship Director, is in the Physician Spotlight in *East Tennessee Medical News* discussing trout, medicine, teaching, golf and more.

["Carter High School Coach Suffers Stroke, Continues Remarkable Road to Recovery"](#)

WATE 6 News shares the remarkable story of the Carter High School football coach who suffered a massive stroke in October 2012. Interventional Neuroradiologist Peter Kvamme, MD, Associate Professor of Radiology, and his team intervened at The University of Tennessee Medical Center.

["In-Depth: ADHD in Adults"](#)

Edwin Rogers, PhD, Professor, Family Medicine, discusses whether ADHD continues into adulthood via WBIR Channel 10.

Featured Residents

Radiology Resident Dr. Samuel Porter Scores Best in Nation



Dr. Samuel Porter

Samuel Porter, MD, Fourth-Year [Radiology Resident](#), scored in the 100th percentile on the nationwide American College of Radiology [Diagnostic Radiology In-Training Exam](#). The DXIT exam provides residents with information that is useful in evaluating their progress and provides program directors with data that is helpful in analyzing and evaluating the residency program.

Test scores are compared with all other residents nationally and internationally who took the test. As 100th percentile, Dr. Porter scored better than 100 percent of all

residents taking the exam.

Featured Students

UTCOM Students Celebrate Match Day at Neyland Stadium



UT College of Medicine students run to the 50-yard line at Neyland Stadium to receive their Match Day results.

Match Day was held Friday, March 15, and Missy Maples, Student Affairs Coordinator, hosted a Match Day celebration at Neyland Stadium on the University of Tennessee, Knoxville, campus for [UT College of Medicine](#) students who wanted to open their Match results among friends and family in the Knoxville area.

At 1 p.m., eight students ran to the

50-yard line, found their envelopes, which were placed in the shape of a "T", and tore them open. Among the students who participated in Knoxville, four of them matched to a [UT Graduate School of Medicine program](#). In July, UTGSM will welcome its new residents, all of whom matched through the NRMP Match. This is the first time in more than 20 years that [all residency positions in Knoxville filled](#) through the Match. Look in the next issue of *The Scope* to see who will begin a UTGSM residency program in July and to see more photos from Match Day.

Knoxville Match Day students matching to UT Graduate School of Medicine programs are

Jennifer Winbigler: Internal Medicine

Rupert Stanborough: Transitional Year followed by Radiology

John Prenshaw: Transitional Year

Taylor Wright: Family Medicine

Participating students who matched outside of Knoxville are

Andy Harris: Orthopedics, Rhode Island Hospital/Brown University

Derrick Green: Pathology, West Virginia University School of Medicine

Scott Arendt: Family Medicine, Spartanburg Regional Healthcare SC

Sweeti Bhakta: Pediatrics, UT Health Science Center



UTCOM student John Prenshaw, who matched to UTGSM's Transitional Year program, with UTGSM Pathology Resident Karyn DeSouza, MD.

Tweets to UTGSM Regarding Match Day at Neyland Stadium

[@uwsmph](#) University of Wisconsin School of Medicine: [@utgsm](#)
That's awesome! Weather doesn't allow that here in Madison, sadly.

[@FSUCoM](#) Florida State University College of Medicine: [@utgsm](#)
That is too cool! Maybe [@FSU_football](#) would let us do that...

MATCH DAY EVE

A Match Day poem by Jim Allison, father of Jennifer Winbigler

Tw'as the night before matching
And thru hospital halls
Not a M4 was stirring
None were on calls

The students were nestled
Sleepless in their beds
While visions of envelopes
Danced in their heads

Then out on the 50
There arose such a chatter
The students marched out
Finding out what mattered

A little ole dean
So powerful, so nice
Was about to tell them
About the rest of their lives

To Bama, to Knoxville???
The places they learned
Their specialties too
Their careers, how they turned

As the envelopes opened
Neyland filled up with sun
Soon they would be changing
Coats short into long

Futures bright with promise
Much hard work, midnight oil burned
Such wonderful things before them
Title " Medical Doctor" about to be earned

And you could hear parents exclaim
As their kids headed west for the night
We're happy, we're proud!
We sure love them, all right!

Medical Students Meet Board of Visitors

UT College of Medicine fourth-year medical students had the opportunity to greet UT Graduate School of Medicine [Board of Visitors](#) members at the February BOV meeting as students escorted Board members to the Family Medicine Shacklett Conference Room. Participating medical students were Emily Escue, Rupert Stanborough, Jennifer Winbigler and Taylor Wright. Students agreed it was a nice opportunity to meet the BOV members, particularly Dr. Joe Johnson, Chair, who shared stories of his time as President of UT.

Featured Staff

Preston's Poet-In-Residence Earns National Publication and Local Prize



Donna Doyle composes poetry in the Healing Garden.

Donna Doyle, Poet-In-Resident, Preston Medical Library, had her poem, "Custodial," published in the [February 2013 issue of CHEST](#), a national peer-reviewed journal. The poem recounts when Doyle's fiancé was in ICU post aortic dissection. She was asleep in the cardiovascular intensive care unit lounge when a code for his bed was announced over the intercom. She ran down the hall and saw his bed surrounded by nurses and doctors. She stood waiting until he stabilized, then walked down the hall and collapsed crying against a wall. A custodian—a very petite woman—pulled Doyle away from the wall and held her while she cried.

Doyle said unfortunately, she cannot remember the custodian's name. "So much of that time was a blur. Her touch was just what I needed though—very healing. Everyone who works at UT Medical Center can provide important healing—cashiers, baristas, valet staff, etc.," Doyle said.

She also received first place in a brunch-themed [haiku contest](#) given by the *Metro Fuse*. Her prize included a \$50 gift certificate to the French Market.

Scholarly Activity

Resident and Fellow Research Day Coming May 29, Submit Abstracts by April 14



Dr. Naomi Ferguson presents at the 2012 Resident and Fellow Research Day, where she won first place for original research regarding breast cancer prognosis.

The UT Graduate School of Medicine and Academy of Scholars Committee will hold Resident and Fellow Research Day on Wednesday, May 29. Residents and fellows are invited to [submit abstracts via The Pulse](#), due April 14.

All submitted abstracts must have IRB approval and must have an IRB number to be accepted for peer review. A review panel will select a subset of abstracts

for presentation at Research Day. Presentations will be timed—five minutes for presentation with five minutes for discussion. Research Day will be held in the College of Pharmacy Auditorium, Room 309. Awards will be given for best case and original research presentations at a Research Awards Luncheon on June 7.

Publications

Refereed Articles

[Clinical impact of time-of-flight and point response modeling in PET reconstructions: a lesion detection study.](#)

Schaefferkoetter J, Casey M, Townsend D, El Fakhri G
Phys Med Biol. 2013 Mar 7;58(5):1465-78. doi: 10.1088/0031-9155/58/5/1465. Epub 2013 Feb 13.
PMID: 23403399

[Distribution of 2-deoxy-2-fluoro-d-glucose in the coelom of healthy bald eagles \(*Haliaeetus leucocephalus*\).](#)

Jones MP, Morandi F, Wall JS, Long MJ, Stuckey AC, Leblanc AK
Am J Vet Res. 2013 Mar;74(3):426-32. doi:
10.2460/ajvr.74.3.426.
PMID: 23438118

[A novel method for quantifying peripheral tissue amyloid load by using the radiolabeled amyloidophilic peptide, p5.](#)

Wall JS, Richey T, Macy S, Heidel E, Wooliver C, Kennel SJ
Amyloid. 2013 Mar;20(1):21-6. doi:
10.3109/13506129.2012.757216. Epub 2013 Jan 17.
PMID: 23327342

[Critically Ill and Septic Patient: Is Red Blood Cell Transfusion Adding to the Domino Effect?](#)

Watkins TC, Clark CT

J Infus Nurs. 2013 Mar;36(2):116-121.
PMID: 23455973

[Treatment Modification of Yttrium-90 Radioembolization Based on Quantitative Positron Emission Tomography/CT Imaging.](#)

Chang TT, Bourgeois AC, Balias AM, Pasciak AS
J Vasc Interv Radiol. 2013 Mar;24(3):333-7. doi:
10.1016/j.jvir.2012.12.005.
PMID: 23433408

[Mixed epithelial and stromal tumor-cytologic findings of an unusual renal cyst.](#)

Defanti LE, Nodit L
Diagn Cytopathol. 2013 Feb 27. doi: 10.1002/dc.22964. [Epub
ahead of print] No abstract available.
PMID: 23444187

[Microwave-enhanced cross-coupling reactions involving alkynyltrifluoroborates with aryl bromides.](#)

Coltuclu V, Dadush E, Naravane A, Kabalka GW
Molecules. 2013 Jan 29;18(2):1755-61. doi:
10.3390/molecules18021755.
PMID: 23434861

[Serial evaluation of neutrophil function in tumour-bearing dogs undergoing chemotherapy.](#)

Leblanc AK, Leblanc CJ, Rohrbach BW, Kania SA
Vet Comp Oncol. 2013 Jan 20. doi: 10.1111/vco.12015. [Epub
ahead of print]
PMID: 23331512

[Natural orifice transluminal endoscopic surgery \(NOTES\): where are we going? A bibliometric assessment.](#)

Autorino R, Yakoubi R, White WM, Gettman M, De Sio M,
Quattrone C, Di Palma C, Izzo A, Correia-Pinto J, Kaouk JH, Lima E
BJU Int. 2013 Jan;111(1):11-6. doi: 10.1111/j.1464-
410X.2012.11494.x.
PMID: 23323699

[Gold coated lanthanide phosphate nanoparticles for targeted alpha generator radiotherapy.](#)

McLaughlin MF, Woodward J, Boll RA, Wall JS, Rondinone AJ,
Kennel SJ, Mirzadeh S, Robertson JD
PLoS One. 2013;8(1):e54531. doi:
10.1371/journal.pone.0054531. Epub 2013 Jan 18.
PMID: 23349921

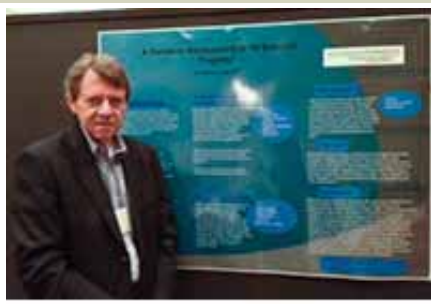
[Effect of renal impairment on the pharmacokinetics of prucalopride: a single-dose open-label Phase I study.](#)

Smith WB, Mannaert E, Verhaeghe T, Kerstens R, Vandeplassche L, Van de Velde V
Drug Des Devel Ther. 2012;6:407-15. doi:
10.2147/DDDT.S36142. Epub 2012 Dec 18.
PMID: 23269861

Non-Refereed Articles

Pinzon EG, Killefer JA.
[Spinal Cord Stimulation: Fundamentals](#)
Practical Pain Management 2013 March: 27-34.

Presentations



Dr. Ronald Lands

39th Association for Gerontology in Higher Education, St. Petersburg, Florida, February 28-March 3

Poster Presentation

"A Geriatric Assessment of Arna Bontemps' short story, 'A Summer Tragedy'"
Ronald Lands, MD

APGO/CREOG Annual Meeting, Phoenix, Arizona, February 27-March 2

Poster Presentation

"LEEP: A Teaching Model and Demonstration"

R. Shae Connor, MD

Co-authors: Mitch Dizon, MD, Kristopher Kimball, MD

American Society Spinal Radiology 2013 Annual Meeting, Scottsdale, Arizona, February 21

Poster Presentations

["Insight on the Clinical Significance of Bastrup's Disease: from Kissing Spine to Interspinous Bursitis"](#)

Austin Bourgeois, MD

Co-authors: Hunter Pearson, Patrick Barlow, Dwayne John, Ted Chang, MD, Geoffrey Laing, MD

["Increasing the Accuracy of Transpedicular Screw Placement in the Lumbar Spine with Three Dimensional Stereotactic Image Guidance"](#)

Austin Bourgeois, MD

Co-authors: Judson Gash, MD, Rashad Daker, MD, Yong Bradley, MD, Patrick Barlow, Rupert Stanborough, Ted Chang, MD, William Reid Jr., MD

["A Rare Cause of Radiculopathy in Young Patients: A Report of Multilevel Discal Cysts and Literature Review"](#)

Austin Bourgeois, MD

Co-authors: Kevin Liaw, MD, Scott Embry, MD, Judson Gash, MD

["Advances in the Diagnosis and Management of Intracranial Hypotension: Lessons Learned from Treatment of 30 Patients"](#)

Austin Bourgeois, MD

Co-authors: Ted Chang, MD, Geoffrey Laing, MD

53rd Sanibel Symposium, St. Simon Island, Georgia, February 17-22

Poster Presentation

["Model of Biological Quantum Logic in DNA"](#)

Matthew Mihelic, MD

18th Annual Multidisciplinary Symposium on Breast Disease, Amelia Island, Florida, February 14-17

Poster Presentation

"Adjuvant Anti-HER-2-Therapy Era and Prognostic Value of Breast Cancer Subtypes, Ki-67 Proliferation Index, Age and Pathologic Tumor Characteristics on Overall Survival of Caucasian Females with Breast"

Chad Hruska, MD

Co-authors: **Avanti Rangnekar, Sarah Carroll, MD, Eric Heidel, PhD, Timothy Panella, MD, John Bell, MD, Amila Orucevic, MD, PhD**

Society of Maternal Fetal Medicine 33rd Annual Meeting, San Francisco, California, February 11-16

Poster Presentation

"Blood Contaminated Amniotic Fluid and the Lamellar Body Count Fetal Lung Maturity Test"

Kevin Visconti, MD

Co-authors: **Mark Hennessy, MD, Bobby Howard, MD, Samuel Porter, MD, Beth Weitz, Craig Towers, MD**

Clinical Nutrition Week, Phoenix, Arizona, February 9-12

Oral Presentation

"Cross Talk Between Renin and Angiotensin in Burn Trauma"

Christy Lawson, MD

Contributor: **Michael Karlstad, PhD**

Poster Presentation

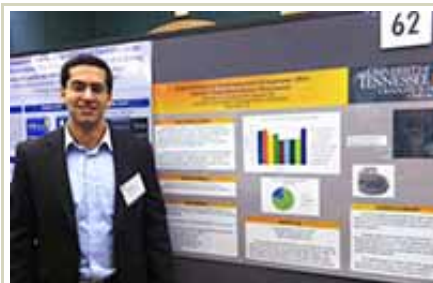
"Status of Nutrition Training in Graduate Medical Education: Survey of Residency Program Directors"

Brian Daley, MD

Co-authors: **Stephen McClave, MD, Jill Cherry-Bukowiec, MD, Terry Gramlich, MD, Charles Van Way III, MD**

Southeastern Surgical Congress, Jacksonville, Florida, February 9-12

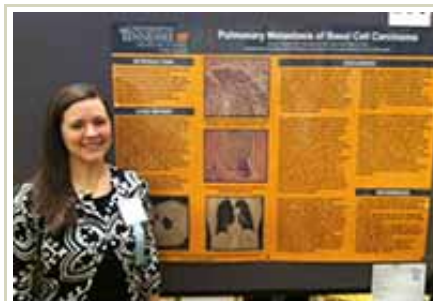
Poster Presentations



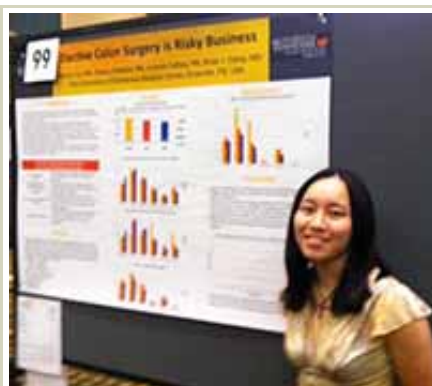
Dr. Matthew Abraham

"Improvement in Quality of Life after Gastric Neurostimulator Placement"
Matthew Abraham, MD

"Pulmonary Metastasis of Basal Cell Carcinoma"
Emily Anne Black, MD
Co-authors: Lisa Duncan, MD, Raymond Dieter III, MD



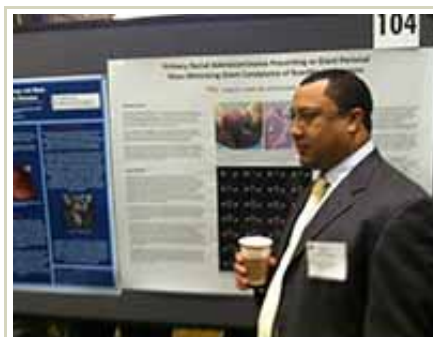
Dr. Emily Anne Black



Dr. Hien Le

"Elective Colon Surgery is Risky Business"
Hien Le, MD
Co-authors: Deb Vittitoe, Blaine Enderson, MD, Brian Daley, MD

"Primary Rectal Adenocarcinoma Presenting as Giant Perianal Mass Mimicking Giant Condyloma of Buschke-Lowenstein"
Chandler Long, MD
Co-authors: James Lewis, MD, Amila Orucevic, MD



Dr. Chandler Long

Tennessee Society of Anesthesiologists 2013 Annual Meeting, Nashville, Tennessee, February 9

Oral Presentation

"Obstetric Anesthesia Update"
Patrick McConville, MD

Poster Presentations

"Management of Intrauterine Twin Molar Pregnancy with Complete Placenta Previa"
Jason Buehler, MD

"Case Report: Takotsubo Cardiomyopathy "
Ashley Hambright, MD

"Exertional Heat Stroke in a Healthy 19 Year Old Male"
Nicholas Doiron, MD

"Coagulation During Therapeutic Hypothermia After Cardiac Arrest"

Barry Faust, MD

"SVT During Tracheoesophageal Fistula Repair"

Greg Jackson, MD

"A Perioperative Management Algorithm for Cardiac Rhythm Management Devices: the PACED-OP Protocol"

Nick Misulia, MD

University of North Carolina Department of Oral and Maxillofacial Surgery, Chapel Hill, North Carolina, February 7-8

Oral Presentation

"Controversies in the Surgical Management of Oral/Head and Neck Pathology"

Eric Carlson, DMD, MD

Academic Surgical Congress 2013, New Orleans, Louisiana, February 5-7

Oral Presentation

"Testosterone Attenuates Matrix Metalloproteinase Activity And The Cellular Processes Of Intimal Hyperplasia In Vitro"

Deidra Mountain, PhD

Contributors: **Stacey Kirkpatrick, John Beddies, MD, Mitchell Goldman, MD, Michael Freeman, MD, Frederick Klein, MD, Oscar Grandas, MD**

Poster Presentation

"Non-Steroidal Anti-Inflammatory Medications Impact Non-Union and Infection Rates in Long Bone Fractures"

David Jeffcoach, MD

Co-authors: **Valerie Sams, MD; Christy Lawson, MD; Blaine Anderson, MD, MBA, FACS; Scott Smith, MD; Heather Kline, PA; Patrick Barlow, BA; Doug Wylie, Pharm D; Laura Krumenacker, Pharm D; James C McMillen, Pharm D; Jordan Pyda, MS4; and Brian Daley, MD, MBA, FACS**

Technologica Advances in Minimally Invasive Urologic Surgery, Torino, Italy, January 31-February 1

Oral Presentation

"Flourescence-Guided Robotic Urologic Surgery: Is There Any Role?"

Wesley White, MD

25th International Symposium on Endovascular Surgery, Miami Beach Florida, January 19-23

Poster and oral presentation

"P1 Segment Blister Aneurysm, A Novel Treatment Using Telescoping Stents"

Lindsay Luttrell, MD

Co-authors: Ted T. Chang, MD, and Peter Kvamme, MD

Graduate School of Medicine
University of Tennessee



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