

The Reading Room



Welcome UT Radiology Alumni, Faculty, and Friends!



J. Mark McKinney, MD
Radiology Chair

I am delighted to introduce you to *The Reading Room*, which is the first issue of our new Radiology Department newsletter. *The Reading Room* is designed to update you on advances in the department as well as highlight the activities of our faculty and residents. It is my intent that you will be proud of your department's accomplishments and that you will want to rekindle your connections to UT Radiology. I give my thanks to Ms. Debbie Jarvis and Mr. Shannon K. Campbell for their efforts in making this newsletter a reality.

I am also glad to introduce myself as the Chair of the Department. My tenure as Chair began in September 2008. It is rewarding to return to East Tennessee after training in California and working for 15 years at Mayo Clinic in Minnesota and Florida. I am inspired by the opportunity to lead a diverse and talented group of professionals at the University of Tennessee Medical Center in Knoxville. I give my kudos to the Chairs who served before me in the Department of Radiology.

It is my goal to continue building the UT Radiology Department as a center of excellence to serve the patients of East Tennessee and surrounding regions. We have recently added many new faces, expanded our practice reach, and upgraded our technology and facilities. Our radiology department faculty and staff are actively engaged in training an excellent group of young physicians. I hope that you will stay in touch with all of us at the Radiology Department in Knoxville and please visit when you are in the region. Please feel free to contact me via email at jmmckinney@utmck.edu or by telephone at 865-305-9661.

Enjoy *The Reading Room*!
J. Mark McKinney, MD, Chair

Interventional Suite First in North America With Large Plasma Display

UT Medical Center's Interventional Radiology section is excited to utilize a brand new IR suite. Construction was completed at the beginning of 2010. The suite is a fully digital system with flat panel detectors, wireless foot pedal, and a high resolution large panel plasma display. The equipment is made by Siemens, and according to company spokespersons, UT Medical Center is the first clinical site in North America to have the large plasma display for patient care. The large panel plasma display allows dynamic resizing of fluoroscopic imaging with integration of the 3D workstation and PACS images. The Interventional Radiology section has made good use of the new equipment as overall Interventional volumes have increased 56% since 2008.



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Heart Hospital Opens with New MRI Patient Registration Lounge



The long wait is over! After several years of destruction and construction, UTMC's beautiful new Heart Hospital opened in April to great anticipation from all. Radiology's outpatient MRI unit also greatly benefitted from the expansion with a new modern patient registration lounge that also serves Endoscopy. The glass-walled interior entrance (left photo) is on a curved inner walkway that parallels the exterior's circular, covered patient drop-off area and central fountain. Echoing the artistically refined and tranquil Heart Hospital atrium, with its organic wood and glass chandelier and expertly-lighted, wavy brushed aluminum waterfall, our new patient lounge is both professional and comfortable.

New 3T MRI Coming to UT Medical Center



Siemens's MAGNETOM® Verio 3T
<http://www.medical.siemens.com>

Radiology is excited to announce that a Siemens' Verio 3T MRI suite will be installed later this year. The new 3T MRI will dramatically enhance image quality and patient care at UTMC. The 3T magnet will increase the total number of magnets in the MRI section to four.

"UTMC will have the best MR imaging capability in the region"

The three existing 1.5T MRI systems will be upgraded to state-of-the-art specifications. Plans are also underway to improve patient safety with the addition of ferromagnetic detectors throughout the MRI suites. Upon completion of the 3T MRI installation and existing MRI suite upgrades UT Medical Center will have the best MR imaging capability in the region.

Welcome to the Radiology Residency Program



Kathleen Hudson, MD

From Our Program Director

We are delighted to welcome five new residents who started their radiology training in July of this year. This will be the first class to experience the new ABR board exam format. They will take their qualifying exam combining physics and diagnostic radiology in an image rich computer exam at the end of their third year of training. The certifying exam will be 15 months after the completion of their residency training.

My goals for the upcoming year will be to continue revision of the program curriculum and to enhance the educational opportunities for our residents. Increasing our scholarly activity among residents and faculty will continue to be a top priority.

We are in the midst of a new recruiting season and look forward to meeting more outstanding applicants during the

interview process, which will begin in November. Once we have matched, the most rewarding aspect as a program director is watching new residents blossom and grow professionally over the four years to become excellent ambassadors for the program. - Kathleen Hudson, MD

Dr. Kathleen Hudson has been the Radiology Residency Program Director at the University of Tennessee Medical Center since 2000 and is a nationally recognized leader in radiology education. She currently serves on the Education Committee of the Association of Program Directors in Radiology and is Director of the University Breast Centers, LLC. Dr. Hudson was again chosen to be an oral board examiner for the American Board of Radiology, previously serving in 2008. She is also an item writer for the new ABR core exam to be given in 2013. Lastly, Dr. Hudson will serve a 7th year on the Breast panel for the annual ACR In-Training exam held in February.

Dr. Hudson's family includes her husband, John Hicks, their three daughters, three grandchildren and a fourth one on the way. She enjoys quilting and traveling. She and John have been married for 19 years and look forward to traveling the world.

Welcome 2010 Radiology Residents!



Eric Biesbroeck, MD

University of Arizona College of Medicine

I enjoy being physically active and playing basketball and golf. When I am not playing sports I like to watch and read about them. I also like learning about electronic gadgets and cars. Most of all, I like having a good time with my friends and family.

Eric Johnson, MD

University of Tennessee College of Medicine

My hometown is Maryville, TN
My hobbies include baseball, basketball, football, hiking, frisbee, bird-watching, and video games.



Kevin Liaw, MD

Vanderbilt University School of Medicine

I am fluent in Mandarin, a language both my parents speak. I have traveled extensively throughout mainland China and am able to communicate well. I also understand a considerable amount of Taiwanese after traveling to Taiwan multiple times. Hobbies include creative writing, running, playing piano and violin, cooking, frisbee and golf.



Ryan Owen, MD

Medical University of South Carolina College of Medicine.

I enjoy family time, construction and home improvement projects, gardening, camping, hiking, canoeing, golf, watersports, running, and reading. I enjoy playing the piano and the guitar.

Lance Warren, MD

University of North Carolina School of Medicine.

Hobbies include golf, reading, traveling, weight-lifting, fishing, and watching sports.



2010 Resident Research

Association of University Radiologists 58th Annual Meeting San Diego, CA March 23-26



Dr. Jacob Pirkle (R) won First Place for the "Education Exhibit Trainee Award"

"Fluoroscopy, an Often Overlooked Source of Radiation: the Effect that Training Level Has on Patient Fluoroscopic Radiation Dosages"
Jacob K. Pirkle, MD, PharmD, and Steven P. Knight, MD

Fluoroscopy, an Often Overlooked Source of Radiation: The Effect that Level of Training Has on Patient Fluoroscopic Radiation Dosages
Jacob K. Pirkle, MD, PharmD and Steven P. Knight, MD
University of Tennessee Medical Center, Knoxville

Purpose: To determine if patient fluoroscopic radiation dosages are significantly higher in training radiologists compared to board certified radiologists in a tertiary care center. We hypothesized that training level would be significantly associated with fluoroscopic radiation dosages.

Methods: A retrospective analysis of 1000 fluoroscopic procedures was performed. The procedures were divided into two groups based on the training level of the radiologist performing the procedure: board certified radiologists (BCR) and training radiologists (TR). The radiation dosages were measured in terms of air kerma (AK) and dose area product (DAP). The radiation dosages were compared between the two groups using a two-sample t-test.

Results: The mean AK and DAP for the BCR group were significantly higher than the TR group (Table 1 and Table 2).

Conclusions: Training level is significantly associated with fluoroscopic radiation dosages. Training radiologists receive significantly higher radiation dosages than board certified radiologists.

References: 1. American College of Radiology. Fluoroscopic Radiation Dosage in Interventional Procedures. 2007. 2. International Commission on Radiological Protection. Basic Data for Protection against Ionizing Radiation. 1975. 3. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of External Irradiation. 1976. 4. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1979. 5. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1980. 6. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1981. 7. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1982. 8. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1983. 9. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1984. 10. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1985.

Missed or Delayed Diagnosis of Injuries on Trauma CT Scans: Spectrum of Injuries and Retrospective Analysis of Imaging Using the ACR RADPEER Grading System
CB Ormsby, KT Hudson, SK Knight, BJ Daley, CM Lawson, G Morin-Ducote
University of Tennessee Medical Center, Knoxville

Purpose: To determine the spectrum of injuries missed or delayed on trauma CT scans using the ACR RADPEER grading system. We hypothesized that the spectrum of injuries missed or delayed on trauma CT scans would be significantly different from the spectrum of injuries identified on trauma CT scans.

Methods: A retrospective analysis of 1000 trauma CT scans was performed. The scans were divided into two groups based on the training level of the radiologist performing the scan: board certified radiologists (BCR) and training radiologists (TR). The spectrum of injuries missed or delayed on trauma CT scans was compared between the two groups using a two-sample t-test.

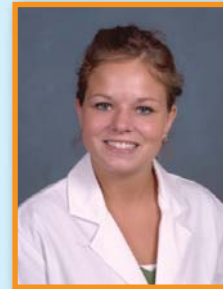
Results: The spectrum of injuries missed or delayed on trauma CT scans was significantly different from the spectrum of injuries identified on trauma CT scans (Table 1).

Conclusions: The spectrum of injuries missed or delayed on trauma CT scans is significantly different from the spectrum of injuries identified on trauma CT scans.

References: 1. American College of Radiology. ACR RADPEER Grading System. 2007. 2. International Commission on Radiological Protection. Basic Data for Protection against Ionizing Radiation. 1975. 3. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of External Irradiation. 1976. 4. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1979. 5. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1980. 6. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1981. 7. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1982. 8. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1983. 9. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1984. 10. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1985.

"Missed or Delayed Diagnosis of Injuries on Trauma CT Scans: Spectrum of Injuries and Retrospective Analysis of Imaging Using the ACR RADPEER Grading System" CB Ormsby, KT Hudson, SP Knight, BJ Daley, CM Lawson, & G Morin-Ducote

Dr. Christine Ormsby's abstract included Dr. BJ Daley and Dr. CM Lawson of UT's Department of Surgery



"The Utility of Maxillofacial CT Following Routine Head CT Without Significant Findings of Facial Injury in the Setting of Trauma"
David Rossow, MD & Judson Gash, MD

Dr. David Rossow graduated in 2010, receiving the RSNA Resident Award for Academics & Research

The Utility of Maxillofacial CT Following Routine Head CT Without Significant Findings of Facial Injury in the Setting of Trauma
David Rossow, MD and Judson Gash, MD
University of Tennessee Medical Center, Knoxville

Purpose: To determine the utility of maxillofacial CT following routine head CT without significant findings of facial injury in the setting of trauma. We hypothesized that maxillofacial CT would be significantly more useful than routine head CT in identifying facial injuries.

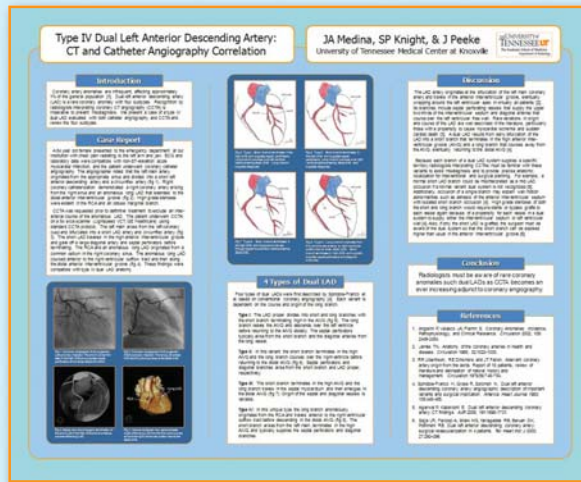
Methods: A retrospective analysis of 1000 trauma CT scans was performed. The scans were divided into two groups based on the training level of the radiologist performing the scan: board certified radiologists (BCR) and training radiologists (TR). The utility of maxillofacial CT was compared between the two groups using a two-sample t-test.

Results: Maxillofacial CT was significantly more useful than routine head CT in identifying facial injuries (Table 1).

Conclusions: Maxillofacial CT is significantly more useful than routine head CT in identifying facial injuries.

References: 1. American College of Radiology. ACR RADPEER Grading System. 2007. 2. International Commission on Radiological Protection. Basic Data for Protection against Ionizing Radiation. 1975. 3. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of External Irradiation. 1976. 4. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1979. 5. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1980. 6. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1981. 7. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1982. 8. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1983. 9. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1984. 10. International Commission on Radiological Protection. Conversion Coefficients for the Assessment of the Risks of Internal Irradiation. 1985.

Society of Thoracic Radiology San Diego, CA February 28 - March 3



“Type IV Dual Left Anterior Descending Artery: CT and Catheter Angiography Correlation”
JA Medina, MD, SP Knight, MD and J Peeke, MD

Dr. Josue “Josh” Medina made hand-drawn illustrations of the Cardiac Arteries for his poster.



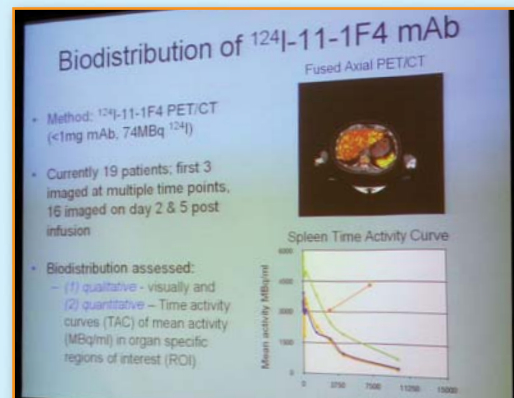
The Society of Nuclear Medicine’s 57th Annual Meeting Salt Lake City, UT June 5-9

“Biodistribution of a Novel Radiolabeled Fibril-Reactive Monoclonal Antibody in Patients with Systemic Light Chain (AL) Amyloidosis” K Wells, MD, JS Wall, PhD, SJ Kennel, PhD, BW Jakoby, PhD, and A Soloman, MD



(L-R) Dr. Kathleen Hudson presents Dr. Karen Wells an award for her presentation at GSM’s Resident Research Day in May.

After presenting at SNM in June, Dr. Wells then won an “Award of Excellence” at the Comparative and Experimental Medicine and Public Health Research Symposium at UT’s Veterinary School. Dr. Wells graduated from the Nuclear Medicine Residency Program in 2010 and joined the faculty of the Dept. of Medicine at UTMC.



Radiology Residents who also gave presentations in May at the UT Graduate School of Medicine’s 2010 Residents Research Day include:

**Brian Dupree, MD, Amanda Ingram, MD, Josue Medina, MD,
Jacob Pirkle, MD, PharmD, and Samuel Porter, MD**

Our 2010 Graduating Senior Residents



Ryan Currier, MD

I spent my first 25 years in Kansas growing up in Sedgwick, just outside Wichita. I went to the University of Kansas in Lawrence and then attended med school at KU in Kansas City. My wife, Gina, and I moved out to Knoxville for residency to “try somewhere different for awhile,” and have really enjoyed our time in East Tennessee. I am moving to Washington, DC for a Body Imaging Fellowship at Georgetown University. Thank you to everyone in the radiology department for guiding me through my residency. - Ryan

Anthony DiVito, MD

I grew up in Boardman, Ohio and graduated from The Ohio State University College of Medicine and Public Health in 2004. I completed my MBA in 2005 at The Fisher College of Business at Ohio State. My wife Megan and I moved to Knoxville in 2006 after my internship year at Riverside Methodist Hospital in Columbus, OH. We had our first beautiful child, Luke, in May 2009. We are moving to Birmingham, AL for my Body Imaging Fellowship. I could not have asked for a better experience for my residency and sincerely wish to thank everyone who has helped me to succeed these last four years. I could not have done it without you. - Tony



Chris Guglielmo, MD [Co-Chief]

I grew up in Matawan, New Jersey and after finishing college came to Tennessee in 1996 to work at St. Jude Children's Research Hospital in Memphis as a research laboratory technician. I attended med school in Memphis at UT before coming to Knoxville for residency. I will be pursuing a fellowship in Molecular Imaging at the University of Wisconsin in Madison. For fun, I enjoy out-driving my Attendings on the golf course. I am very thankful to our Radiology staff for all of their teaching and support over the years. I could not have done it without their help! - Chris





Jacob Noe, MD [Co-Chief]

I was born and raised in Soddy Daisy, Tennessee. My blood runs orange after a chemical engineering degree from UT in Knoxville, followed by medical school at UTHSC in Memphis. I have had a great time here these past four years, and met my beautiful wife, Julie, here in Knoxville during my residency. I think UTMC continues to be a great resident-focused program and the collegiality between the residents and attendings here is unmatched. I am headed to Birmingham, AL for a Neuroradiology Fellowship at UAB. - Jacob

David Rossow, MD

I grew up in Clinton, Michigan and graduated from Wayne State University Medical School in 2005. I completed my internship at Oakwood Hospital in Dearborn, Michigan in the Transitional Year program. I moved to Knoxville in June of 2006 with Stephanie, who became my wife in August of 2008. We are moving to Baltimore where I will be doing a Neuroradiology Fellowship at Johns Hopkins University. I feel fortunate I matched at UT and we have enjoyed our time in Knoxville. I am very thankful to everyone who has helped me along the way. - Dave



Cathryn Shaw, MD

I grew up in Jackson and went to the University of Mississippi for med school before coming to UT for residency. I am doing an Interventional Fellowship at Baylor in Dallas. Matt and I spend our free time with the two biggest blessings of our lives, Harrison and Kennedy. I will always think of Knoxville as the place we started our family. I am so grateful that I had the opportunity to train here and make many friendships that will last a lifetime. - Cathryn

Karen Wells, MD

I went to medical school at Vanderbilt University and practiced in Internal Medicine in Knoxville prior to my Nuclear Medicine training at UT. I enjoy hiking, time with family and watching my children grow. UT Knoxville has a proud history in the field of Nuclear Medicine and PET imaging. I have especially enjoyed unique opportunities with the Molecular Imaging and Translational Research program group (MITR). I will be joining the Department of Medicine at UT Knoxville and continuing research in Molecular Imaging. - Karen



Meet Our Recent Faculty



Jeffrey Peeke, MD

Dr. Peeke returned to UT Radiology in June of 2007 after completing a Cardiothoracic Imaging Fellowship at the University of Maryland Medical Center and a year on staff at Maryland General Hospital. He completed his Radiology Residency and internship here at UTMC in 2006. Dr. Peeke graduated from Loma Linda University School of Medicine and Southern Adventist University. His expertise is in Chest Imaging, Cardiac CT and Cardiac MRI.



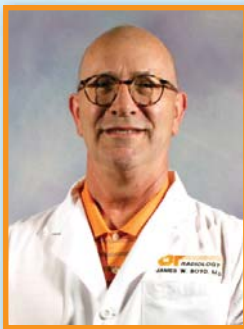
Geoffrey Laing, MD

Dr. Laing joined UT Radiology in October of 2007 after completing a fellowship in Abdominal Imaging from the University of Texas Health Science Center in San Antonio. Dr. Laing graduated from the University of Arizona and medical school at the University of Texas Medical Branch. He completed an Internal Medicine Internship and Radiology Residency at the University of Texas Health Science Center. His clinical interests include GI and GU, as well as Emergency Radiology.



Deanna Taylor-Gantte, MD

Dr. Taylor-Gantte joined UT Radiology in January of 2008 after completing Nuclear Medicine and then Radiology Residency at UTMC. She completed an internship in Emergency Medicine at Indiana University in Indianapolis. Dr. Taylor-Gantte graduated from the University of Tennessee College of Medicine in Memphis and the University of Tennessee in Knoxville. Her expertise is in PET-CT and Nuclear Medicine.



James Boyd, MD

Dr. Boyd joined UT Radiology in April of 2008, after earning additional board certification in Neuroradiology. He completed his Radiology Residency at UT's Methodist Hospital in Memphis and an internship at the University of Iowa. Dr. Boyd graduated from the University of Tennessee College of Medicine in Memphis and Memphis State University.



Peter Petrucci, MD

Dr. Petrucci joined UT Radiology in April of 2008 after a Fellowship in Thoracoabdominal Imaging at the University of Virginia and Residency at the University of South Alabama. He graduated from University of South Alabama College of Medicine, completing an internship at Carraway Methodist Medical Center and Birmingham Southern College. Dr. Petrucci's clinical specialty is Musculoskeletal Radiology.



Stephen Brown, MD

Dr. Brown joined UT Radiology in June of 2008, after fellowships at Johns Hopkins and George Washington University Hospitals. He completed his internship and Radiology Residency at Walter Reed Medical Center. He attended Chicago Medical School (Rosalind Franklin University) and Towson State University in Maryland. Dr. Brown works for UT primarily at the Morristown-Hamblen Healthcare System and Hawkins County Memorial Hospital in Rogersville with a clinical interest in Neuroradiology.



J. Mark McKinney, MD

Dr. McKinney became the Chair of the Department of Radiology in September of 2008 coming from Mayo Clinic in Jacksonville, Florida. At Mayo Clinic, Dr. McKinney was head of the Radiology Practice Team, head of Interventional Radiology, Assistant Director of the Residency Program, and Assistant Professor for the Mayo Clinic College of Medicine. Dr. McKinney completed his Interventional Fellowship, Radiology Residency and medical school at Loma Linda University in California. He is a native of Greeneville, Tennessee.



Rong Zeng, MD

Dr. Zeng joined UT Radiology in 2008 after a Musculoskeletal Fellowship and Radiology Residency at the University of Texas Health Science Center in San Antonio. She graduated from Texas A&M College of Medicine and the University of Texas at Arlington, after earning degrees in Medicine and Pathology at Nanjing Railway Medical College in China.



Paul Campbell, Jr, MD

Dr. Campbell joined UT Radiology in July of 2009 after completing a Neuroradiology Fellowship and Radiology Residency at Johns Hopkins Hospital in Baltimore, MD. His internship was completed at York Hospital, York, Pennsylvania and he graduated from Johns Hopkins School of Medicine and the University of Tennessee in Knoxville.



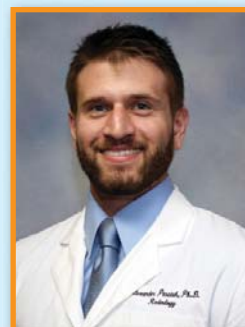
Yitong Fu, MD

Dr. Fu joined the UT Radiology's Nuclear Medicine division in January of 2009 after completing a PET-CT Fellowship, a Nuclear Medicine Residency, and board certification at UTMC, with 2 prior years in Surgery Residency. Dr. Fu went to Shandong Academy of Medical Science in Jinan, China achieving a Master of Medicine and a PhD in Toxicology, coming to the USA on a 2-year NIH Fellowship.



Stacey Balius, MD

Dr. Balius joined UT Radiology in 2009 after completing an Interventional Radiology Fellowship, Radiology Residency, and General Surgery Internship at Duke University Medical Center. She graduated from Duke University Medical School and the University of California at Berkeley. Dr. Balius practiced at both Indian River and Sebastian River Medical Centers in Florida before coming to Knoxville.



Alexander Pasciak, PhD

Dr. Pasciak joined UT Radiology in 2010 after completing a residency in Diagnostic Medical Physics at the University of Texas MD Anderson Cancer Center in Houston. He earned his PhD in Nuclear Engineering and an MSc in Health Physics at Texas A&M University in College Station. Dr. Pasciak completed a post-graduate research fellowship at Pacific Northwest National Laboratory in Hanford, Washington after graduating from the University of Washington in Seattle.

Faculty Educational Outreach

Dr. James Boyd Inspires AVID Nashville High School Students

In April, approximately 170 high school students from metropolitan Nashville schools gathered in Wood Auditorium to glimpse a day in the life of a radiologist, as presented by James Boyd, MD, Assistant Professor, Radiology. Through the AVID (Advancement Via Individual Determination) program, a college preparatory program, a diverse group of students visit college campuses in the Nashville area throughout the school year and then visit the University of Tennessee at the end of the year.



Wilson Boyd, Nashville area teacher, AVID chaperone, and son of Dr. Boyd, said AVID staff wanted to give the students an interactive, real medical experience, which is why the tour included the Graduate School of Medicine for the first time this year.

Welcomed by J. Mark McKinney, MD, Chair, Radiology, the students were asked to assist Dr. Boyd in diagnosing three cases with the help of participating Radiology Residents Jason Hill, MD, Chief; Christine Ormsby, MD; Brian Dupree, MD; Nicholas Waddell, MD; Josh Medina, MD; Samuel Porter, MD; and Amanda Ingram, MD, and Medical Student Lindsay Luttrell. AVID students



James Boyd, MD addresses the students

brainstormed a list of questions that radiologists should ask when introduced to a new case. Then, Dr. Boyd showed students images of three brain scans taken using CT and MRI equipment and explained how differential diagnosis was used to identify a hyperdense mass in the foramen of Monro, brain abscess and glioblastoma multiforme in these three cases.

Dr. Boyd encouraged students to pursue the medical field, saying “take the challenging path” and “easy things don’t allow you to grow.”

Of the rewards of Radiology, Dr. Boyd said, “Radiology is a super cool field. You work with computers all day, doctors send patients to you and say, ‘I have this problem, how do I image it?’ We help them. It’s also rewarding for me to train young radiologists.”

Students found Dr. Boyd’s presentation inspiring, including LaTericka Hudson, 10th grade AVID participant, who said the event encouraged her and gave her the drive to continue her pursuit of a career in medicine.

Republished courtesy of The Graduate School of Medicine’s *The Scope* newsletter. A big Thanks! to Kandi A. Hodges.

Dr. Paul Campbell at 25th Annual Alzheimer’s Conference

Paul Campbell, MD was recently invited by researcher and conference organizer Alex Osmand, PhD to speak at the 25th Annual Alzheimer’s Research Symposium, held this year in Knoxville at the Crowne Plaza Hotel. The audience included patrons with a broad mix of backgrounds

and expertise, from clinicians to researchers to caretakers and facility managers.

Dr. Campbell discussed both traditional and recent innovations in imaging technology that help clinicians and researchers diagnose and study the more subtle



(L-R) Dr. Campbell with researcher and organizer Dr. Alex Osmand

aspects of Alzheimer’s and related dementia disorders. In his overview, he began the talk with basic concepts of what clinicians are looking for regarding key anatomical areas of interest, and then proceeded to highlight progressively advanced imaging techniques from CT and MR, Quantitative Structural Neuroimaging, Molecular studies and PET, and on into advanced analytical tools of MR Spectroscopy, Functional MR, and Diffusion Tensor/Perfusion Imaging.



Dr. Campbell concluded with an audience Q&A session with Dr. John Dougherty (L) of the Cole Neuroscience clinic.

Faculty Profiles in Excellence



Dr. Tony Allen Given "Excellence in Teaching" Award

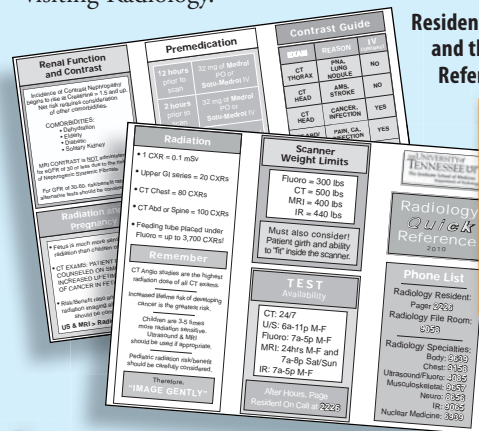
June 2009, Dr. Allen received the "Excellence in Teaching" award from the Dean of the Graduate School of Medicine, James Neutens, PhD. This honor came on the heels of 2 CME-certified lectures he gave with resident, Dr. Cassy DiRuzzo, showing physicians about the use of the American College of Radiology's "Appropriateness Criteria" guideline on how best to choose the right imaging for their patients. Presenting case examples, the talks were only the latest effort by Drs. Allen and DiRuzzo to show physicians how to apply the online ACR guidelines to help navigate through the often complex technical choices in Radiology. Last May, Dr. DiRuzzo also presented a poster abstract on this subject at the 57th AUR Conference and at GSM's '09 Resident Research Day.

(L-R) Drs. Neutens & Allen

At that same time, Drs. Allen and DiRuzzo, with design by Mr. Shannon K. Campbell, published a laminated "Radiology Quick Reference" tri-fold, pocket guide directed primarily to assist new residents of other specialties. After a positive response to last year's first version, the Hospitalist's Residency Program requested a 2nd press for all of their residents. The guide shows both general imaging principles and UTM specific information such as test availability, phone numbers, and scanner table weight limits. The imaging sections begin with a general table of Radiation Exposure equivalents in

terms of numbers of Chest X-rays underscored below with cautionary "Remember" notes that remind users that CT Angio has the highest dose, that lifetime risk to exposure is cancer, that children are 3-5 times as sensitive as adults, and ends with the simple axiom "Image Gently". More detailed sections follow with an area about "Renal Function and Contrast", "Radiation and Pregnancy", a "Premedication" table and concluding "Contrast Guide" table for common CT and MR studies of when to add (and when not to add) contrast, depending on the preliminary diagnostic focus.

All of this continued Tony Allen's mission over the last few years to maximize patient care by distributing a CD of his lecture, entitled "Radiology for Non-Radiologists". This self-guided talk has interactive 'Question & Answer' case scenarios, mingled with concise comments on various imaging principles. In the latest version, Dr. Allen has added Dr. DiRuzzo's case studies from this year's lectures. The disc is also given as a self-evaluation test to medical students visiting Radiology.



Resident Cassy DiRuzzo, MD and the "Radiology Quick Reference" Pocket Guide



Graduate Residents' Faculty Awards

2010 Residents' Faculty Awards were given to Kenneth Rule, MD for Teaching and to James Boyd, MD for Service.



(L-R) Drs. Kenneth Rule and Jacob Noe, Co-Chief



(L-R) Drs. James Boyd and Chris Guglielmo, Co-Chief

2009 Residents' Faculty Awards were given to James Boyd, MD for Teaching and to Peter Petruzzi, MD for Service.



Dr. James Boyd (C) with 2009 Graduates (L-R) Drs. Brett Christian, Ben Egner, Aaron Stevenson, and Dan Kirzeder



(L-R) Drs. Ben Egner, Dan Kirzeder, Peter Petruzzi, and Aaron Stevenson

UTMC Radiology Faculty & Staff

Physicians

J. Mark McKinney, MD, Chair
 Tony Allen, MD
 Stacey Balius, MD
 James Boyd, MD
 Stephen Brown, MD
 Paul Campbell, MD
 George Chacko, MD
 Daniel Fox, MD
 Yitong Fu, MD
 Judson Gash, MD
 Kathleen Hudson, MD
 Steven Knight, MD
 Peter Kvamme, MD
 Geoffrey Laing, MD
 J. Michael McCoy, DDS
 Garnetta Morin-Ducote, MD
 Jeffrey Peeke, MD
 Peter Petruzzi, MD
 Will Pflanze, MD
 Kenneth Rule, MD
 John Snidow, MD
 Deanna Taylor-Gantte, MD
 Rong Zeng, MD

Research (MITRP)

Murthy Akula, PhD
 George Kabalka, PhD
 Steve Kennel, PhD
 Amy LeBlanc, DVM
 Jon Wall, PhD
 Min-Liang Yao, PhD

Physics

Alexander Pasciak, PhD
 Wayne Thompson, MS

Residents

Nuclear Medicine PGY3

Richard Laine, MD
 Alireza Mojtahedi, MD

Radiology Seniors PGY5

Cassy DiRuzzo, MD
 Jason Hill, MD
 Monty Smith, MD
 Robert Thurman, MD
 Nicholas Waddell, MD

Radiology Juniors PGY4

Cheryl DeWitt, MD
 Ray Higginbotham, MD
 Amanda Ingram, MD
 Jacob Pirkle, MD, PharmD
 Delaney Santoro, MD

Radiology Sophomores PGY3

Ted Chang, MD
 Brian Dupree, MD
 Josue Medina, MD
 Christine Ormsby, MD
 Samuel Porter, MD

Radiology Freshmen PGY2

Eric Biesbroeck, MD
 W. Eric Johnson, MD
 Kevin Liaw, MD
 Ryan Owen, MD
 Lance Warren, MD



Bon Voyage 2010 Graduates!