

EMORY RadReport

It's what's on the inside that counts!

August, 2010

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Adopt-A-Resident

Personalize the giving experience when you fund a resident's scholarship. Your generosity may enable a resident to carry out a novel idea or attend a national radiology conference and ultimately will shape the next generation of radiologists.

You can participate in the Adopt-A-Resident Program through a \$2,500 annual commitment over the span of four years. If you would like to explore this, or other giving opportunities that will benefit Emory Imaging, contact:

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Another Adoption Success

An additional two residents have been "adopted" this year as the "Adopt-A-Resident" program successfully continues with the fourth and fifth recipients of this award - Drs. Nnenna Aguocha and Bryan Yi. Emory Radiology first year residents were encouraged to submit detailed proposals of unique projects that will enhance their educational program; these projects are funded with a \$10,000 investment from a generous benefactor who has committed a \$2500 annual donation for the four year duration of their residency. The Radiology Department's Development Program created this as an opportunity for alumni and other donors to enhance the educational experience of the residents.

The first recipient of the "Adopt-A-Resident" program, Dr. Jay Patel, created a virtual library of radiology conferences, lectures and case studies in a portable, iPod format. Future Emory residents and faculty can also benefit from this virtual database from the project's continued initiative to archive pertinent lectures for years to come. Last year, Drs. John Chenevey and Ali Tahvildari had their sights on changing the world. Dr. Chenevey's proposal expressed the importance of awareness to the political and business influences that shape the way radiology is practiced in the United States. Dr. Tahvildari, on the other hand, wanted to create an elective that collaborated with other Emory Departments to participate in a global exchange.

This year, Dr. Nnenna Aguocha took the global theme to Nigeria. She hopes to assist in the

assessment of feasibility and cost/benefits analysis of utilizing portable ultrasound machines to complement the services currently being provided by the limited mobile health care units available to this country. Dr. Aguocha feels this opportunity is ideal because it will combine her interest in public health, radiology and women's health. She knows the Emory Radiology Residency Program supports unique ideas and "this project would encourage residents to think of radiology in global terms and to formulate innovative ideas about extending some of the benefits of the radiological advances we enjoy in the western world to developing countries and resource-poor settings."

If Dr. Aguocha's cause has inspired you to get involved, please contact her at naguoch@emory.edu.

As Dr. Patel advanced the educational technologies to stay in sync with the fast pace of the dynamic field of radiology, Dr. Bryan Yi hopes to accomplish the same with his proposed project. Dr. Yi will work to implement an audience response system so that didactic lectures can become more interactive and in turn, strengthen the resident learning experience. With hopes to stay in academic medicine and teach the future generation of radiologists, Dr. Yi is passionate about the residency program and its residents. He



Drs. Bryan Yi (left) and Nnenna Aguocha (right) are the newest "adopted" residents.

expressed, "while I want to take as much from the residency as possible to be well-trained, I also feel it is a good idea to give back to the program."

Using this advanced technology in our department will allow the traditional lecture with one directional information to be transformed into an interactive format where the lecturer can query the audience or ask for instant feedback.

If you are interested in working with Dr. Yi on the implementation of the audience response system, please contact him at byi@emory.edu.

Although the identity of the charitable donations made by generous individuals may be anonymous, the gratitude expressed by these "adopted" residents is very evident. Dr. Yi wanted his benefactor to know that he is not only thankful but humbled to receive this funding to help improve the residency program. "I feel more enthusiastic to get this project running" by turning an idea into a reality for the department to benefit.

As the years progress, this program will cultivate motivated residents with new ideas and learning opportunities. In turn, motivated residents will inspire the attendings, and through this collaboration of teaching and learning, innovation will emanate from the Emory campus to enhance the greater radiology community.

- Alaina Shapiro, Communications Coordinator

LETTER FROM THE CHAIR

Dear Colleagues,

I hope you are enjoying your summer in Hot-lanta.

A couple of weeks ago, I participated in the American College of Radiology (ACR) Intersociety Summer Conference, at which the topic was "Optimizing the Structure and Function of our 50+ Societies." This conference, attended by leaders from RSNA, ACR, ABR, and the large array of radiology subspecialty societies, was among the most thoughtful I have attended. At this time of rapid change -- when we are striving to leap forward in enhanced practice quality, thoughtfully adapting to sweeping changes in residency training requirements and new

duty hour guidelines, and potentially developing new paradigms of health care delivery -- remaining aligned as a field is more challenging than ever.

Yet it is vital that we have a focused "house of radiology" message to patients, to congress, to payers, and to NIH that emphasizes our commitment to appropriate (rather than increased) utilization of imaging, the highest safety profile for the care of a patient needs, and the highest quality education and research to continuously improve translational imaging technologies in the future. These core goals, while perhaps shared in the most far-reaching manner by the largest professional

organizations, it is the subspecialty societies and their members that add critical value to radiology.

Already some professional radiology organizations have begun to merge, in cases where their overlap or complement in focus was substantial. These include the ACR and American Roentgen Ray Society (ARRS), and a planned merger of the Society of Gastrointestinal Radiologists (SGR) and the Society of Uroradiology (SUR) in 2013. Perhaps several other professional organizations will eventually merge, although it is unlikely that a sweeping wave will unite all radiology societies tomorrow.



Rather increased alignment under common themes such as radiation optimization, research advocacy, education, etc., will be the norm.

It certainly makes sense that we all paddle in the same direction.

For the many in the department who serve professional organizations, what you do is important and valued. For those of you who are interested to get involved, please do; our future depends on it.

Best to all,

Carolyn C. Meltzer, MD, FACR
Chair of Radiology

MESSAGE FROM THE VICE CHAIR FOR RESEARCH

How to Get Started in Research

I am often asked how to get started in research. There is the perception that it is difficult, that it's too expensive, that you need an "in". Actually, all you need is a sense of curiosity and wonderment -- the only requirement is a desire to know how things work or figure out new ways to help people. The rest is details that you and I will work out together.

In the big scheme of things -- our national effort -- research seems to move extremely fast. Think about the household in which you grew up and how different things are now (internet, 500+ TV channels, cell phones, laproscopic surgery, MR scanning, ...). It seems like every day there is a new headline that will change your health or quality of life. To some this is motivating, to some it is daunting. Some people think research is inventing the transistor, discovering the next world changing antibiotic, or developing the new imaging technique that will make all others obsolete. Actually, these are the outliers of research. Reality is progress as the end result of many people each making minor contributions. Some of the contributions are

useful and some are merely interesting. Some receive awards and headline recognition but most are recognized by few. However, all are important. Breakthroughs are the result of trying many ideas and building on the ones that are useful.

To become involved in research, remember the joy you had as a child when you finally realized the truth (Santa Claus, the tooth fairy, why thunder is loud, why your old dog got jealous when you brought the puppy home, ...). Marvel not only in the amazing complexity of life but in the idea that it is consistent and understandable. Embrace the journey and challenge of understanding. The best way to start in research is to follow your curiosity. If you find yourself thinking something like, "I wonder why everyone from this group seems to have the same imaging result", then you have what it takes to do research. It is providing some light to a question that you have been wondering about.

Research is testing your idea with an experiment. Once you have an idea (the critical part) you are well on your way. One

of my missions is to break down the barriers preventing our faculty from performing experiments. We (Emory University and Radiology) have human and physical resources to help. Performing the experiment is the mechanical part that we can work on together. Come see me and we will jointly figure out how to test your ideas.

Something about the University academic environment has attracted you; maybe research is a missing component. You will find that there is a sense of pride from being associated with scholarship at Emory. You can let your family and friends know that you are part of the effort when discoveries at Emory are touted. Perhaps engaging your mind in unexplored areas will give added satisfaction to your career. As I mentioned above, my mission is to make it easy for you to perform research. Visit me to explore the possibilities.



- John Votaw, PhD
Vice Chair for Research

GRANT AWARDS

Multiparametric Non-Invasive Evaluation of Liver Disease: Hepatic Lipid Quantification Using Combined Magnetic Resonance Spectroscopy and Imaging

Principal Investigator:

Xiaoping Hu, PhD
Diego Martin, MD, PhD

Funding Organization: The Wallace H. Coulter Translational Clinical Research Grant Program

Significance: The overarching aim of this study is to develop non-invasive MR imaging methodology to significantly improve diagnostics and treatment of fatty liver disease and hepatitis. One form of liver pathology is nonalcoholic fatty liver disease (NAFLD), which results from abnormal hepatocyte accumulation of hepatic lipid (HL); NAFLD is now the most common liver disorder in the United States and affects ~30% of children. The disease may progress to alcoholic steatohepatitis (NASH), resulting in hepatic inflammation and fibrosis leading to cirrhosis requiring liver transplantation. The ability to screen for NAFLD and to delineate differences between individual responses to diet or drugs represents the basis for understanding this disease and for optimizing therapy. A major limitation is that we depend on liver biopsies for measuring HL.

In this study we will: 1) validate a new multi-echo MRS technique for rapidly acquiring T2-corrected HL measurement; 2) validate our

technique using a novel liver phantom and with a human liver model; 3) develop and validate a combined MRS-MRI technique for whole liver HL measurement; 4) develop and validate the novel use of a reference MRS signal to express HL as a concentration rather than a % of tissue water; and 5) establish the conversion factor required for clinicians to convert from biopsy to and MRS-MRI value. The technology we will develop and validate will provide a one-stop non-invasive virtual biopsy of the liver lipid. This proposal represents an important step in a programmatic approach being undertaken to develop a comprehensive MR analysis of liver, including inflammation, fibrosis, hepatocytes function, and tumors resulting for chronic liver disease. Our liver program is based on a collaborative effort, centered on development and implementation of non-invasive diagnostic methods, and involving investigators from Biomedical Engineering and several departments at Emory, including Radiology, Hepatology, Surgery, Transplantation, and Pediatrics.

Atherosclerosis, Cerebral Vascular Abnormalities, and Their Association with Dementia

Principal Investigators:

Hui Mao, PhD

Co-Investigators:

Felicia Goldstein, PhD
John Oshinski, PhD

Funding Organization: The Emory Alzheimer's Disease Research Center (ADRC)

Significance: In this pilot project, we hypothesize that cerebral vascular abnormalities that cause alterations in brain tissue integrity and result in cognitive decline are associated with carotid atherosclerosis and

related vascular co-morbidities. We propose to investigate associations between carotid atherosclerosis and cerebral vascular co-morbidities to brain damage and dementia, especially in African American patients, using several novel MRI approaches developed by our group. The results will provide significant preliminary data and a new imaging approach for a large scale investigation.

CHECK IT OUT

Chen H, Wang L, Yeh J, Wu X, Cao Z, Wang YA, Zhang M, Yang L, **Mao H**. Reducing Non-specific binding and uptake of nanoparticles and improving cell targeting with an antifouling PEO-b-PgammaMPS copolymer coating. *Biomaterials*. 2010; 31(20):5397-407.

Coursey CA, Nelson RC, Boll DT, Paulson EK, Ho LM, Neville AM, Marin D, Gupta RT, Schindera ST. Continuing Medical Education: Dual-Energy Multidetector CT: How Does It Work, What Can It Tell Us, and When Can We Use It in Abdominopelvic Imaging? *Radiographics*. July 2010. 30:1037-1055.

Strauss KJ, Goske MJ, Kaste SC, Bulas D, Frush DP, Butler P, Morrison G, Callahan MJ, **Applegate KE**. Image Gently: Ten steps you can take to optimize image quality and lower CT dose for pediatric patients. *AJR Am J Roentgenol*. 2010 Apr; 194(4):868-73.

Sarikaya B, **Provenzale J**. Frequency of various brain parenchymal findings of early cerebral ischemia on unenhanced CT scans. *Emerg. Radiol.*, 2010 May 7. [Epub ahead of print] PMID: 20449760.

Yu W, McConathy J, Olson JJ, **Camp VM**, Williams L, **Goodman MM**. Synthesis, Radiolabeling and Biological Evaluation of (R)- and (S)-2-Amino-3-[18F]Fluoro-2-Methylpropanoic Acid and (R)- and (S)-3-[18F]Fluoro-2-Methyl-2-N-(Methylamino)propanoic Acid as Potential PET Radioligands for Imaging Brain Tumors. *J. Med. Chem.*, 2010, 53: 876-886.

STRIVING FOR EXCELLENCE

Motivation

Motivation plays a key role in most every day processes. What motivates people at work? Some focus on the paycheck, others focus on helping others, still others on doing their job to the best of their ability.

Motivation takes work. It's needed to go to the gym, take on a project, set goals, meet deadlines, carry out tests of change and see something, whether personal or work-related, through to resolution. There are times when pride is involved in motivation. A home town team can't lose to its cross-town rival. They are motivated by pride to win.

We must motivate ourselves and our employees. So as leaders we ask ourselves, how do we keep employees motivated to carry on the mission of the organization and provide the best care to our patients?

If you treat employees with respect, value their contributions, communicate

expectations and provide feedback you can contribute to their satisfaction. However, leaders should take an extra step to discover what each person's internal motivators are, tie those to their work and motivation might soar.

To quote Homer Rice, "You can motivate by fear. And you can motivate by reward. But both of these methods are only temporary. The only lasting thing is self-motivation". Self motivation is doing something because you want to do it and not because you are told to do it.

Employees should be able to think and perform on their own. However, they need to know what the expectations are and be allowed to do their best. We all take pride in something if it is our idea and our way of doing it. However, there are usually numerous ways to achieve the same result. Everyone should take pride in their unique approach.

In order to keep employees motivated we should celebrate milestones, not wait until results are achieved. By the time the end of a project or initiative rolls around everyone has usually moved onto another project and the first project is never celebrated.

Reward employees for a job well done! They have put their time and effort into their job and deserve a reward. Rewards, themselves, are motivators. Some ideas are to take the time to say "job well done", read a comment card in huddle and post cards on a bulletin board to share with everyone.

Everyone needs to hear they've done well. Recognition keeps the motivation going to achieve even more!

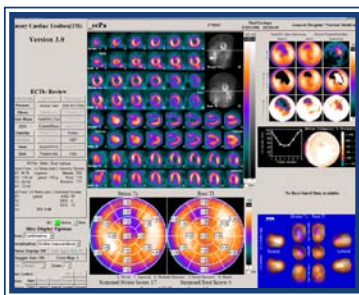


- Jane Vitali
Assistant Director of Imaging Services,
The Emory Clinic

GETTING TO KNOW YOU

Nuclear Cardiology R&D Research Laboratory

Recognized internationally as one of the top nuclear cardiology laboratories in the world for scientific research and development, the mission of the lab is to research, develop, validate and transfer to widespread use methods for diagnosing heart disease. The Nuclear Cardiology R&D Research Laboratory specializes in developing software algorithms applied to nuclear cardiology and cardiac CT imaging studies. The lab's formula for success has been to procure NIH funding for the research aspects of the mission, industry funding for the technology transfer to a commercial tool, and product royalties



The Emory Cardiac Toolbox software is recognized worldwide as a clinical tool to assist in the diagnosis of heart disease.

for pilot funding of new basic and applied research.

The lab is recognized for several major contributions to cardiac imaging. Dr. Tracy L. Faber, Professor of Radiology, is given credit for being the top expert in 3D cardiac imaging, specifically for the field of fusion of nuclear physiologic images and CT angiography coronary images. She is currently funded by NHLBI to continue her contributions. Dr. Ji Chen, Assistant Professor of Radiology, is currently recognized as the leading nuclear cardiology scientist developing new software methods to assist in the diagnosis and

treatment of patients with heart failure, both from using denervation imaging agents (MIBG) to the development of phase analysis methods to measure left ventricular systolic and diastolic dyssynchrony to predict cardiac response to biventricular resynchronization therapy. He is funded by NHLBI to continue this effort. Dr. Fabio Esteves working in collaboration with Drs. Paolo Raggi and Ernest Garcia recently published an industry funded multicenter clinical trial of the first solid-state, multiple pinhole, dedicated cardiac camera which may be used for reducing radiation dose and imaging time while providing superior quality images compared to standard techniques. Dr. Ernest Garcia, Professor of Radiology, heads the team that developed the Emory Cardiac Toolbox software used on millions of patients per year to assist in the diagnosis of heart disease. He is a Principal

Investigator of a pending NIH proposal to continue this development. Other members of the lab include Russell Folks BS, RT, David Cooke, MSEE, Liudmilla Verdes, MD, Daya Manatunga, MS, Cesar Santana, MD, PhD and Nettie Sutton, Administrative Assistant.



- Ernest V. Garcia, PhD,
Professor of Radiology,
Nuclear Cardiology R&D
Laboratory Director



The Nuclear Cardiology R&D Laboratory Team is internationally recognized for their scientific research.

Radiology Resident Introductions

This is an exciting time of the year when the Radiology Department has a chance to welcome the new residents. This group offers new energy and talent as they begin the process of becoming radiologists.



Neil Amin, MD

Medical School: Medical College of Georgia
Interesting fact: Neil has a twin sister, who is a pharmacist in Atlanta. His hobbies include sports, traveling, reading, computers



Andrew Nicholson, MD

Medical School: Georgetown University SOM
Interesting fact: Andrew's wife just gave birth to their first daughter – Sophie Annabelle Nicholson.



Sima Banerjee, MD

Medical School: King's College SOM, UK
Interesting fact: Sima enjoyed meeting the former Pope, John Paul II, and will enjoy meeting the 14th Dalai Lama on his next visit to Emory.



Ryan Peterson, MD

Medical School: University of Tennessee Health Science Center
Interesting fact: Ryan speaks fluent Swedish. His hobbies include hiking, camping, eating, snow skiing, mountain biking, Swedish mystery novels and hockey.



Ian Campbell, MD

Medical School: Emory University SOM
Interesting fact: Ian has worked in the music industry as a manager, writer, and producer of music.



Jack Talsma, MD

Medical School: Michigan State University College of Human Medicine
Interesting fact: Throughout his life, Jack has lived in seven states and went to three different high schools because his family was in the military.



Jason Doye, MD

Medical School: University of Oklahoma College of Medicine
Interesting fact: Jason lost the tip of his finger working at a night club on Bourbon Street during Mardi Gras in 2001.



Aalok Turakhia, MD

Medical School: Emory University SOM
Interesting fact: Aalok finished night float, got married, had a honeymoon, and moved to Atlanta in a week.



Anne Gill, MD

Medical School: University of Tennessee (Memphis)
Interesting fact: Anne trained in classical ballet for 18 years and has done a dance minor.



Thomas "Richard" Williams, MD

Medical School: Duke University SOM
Interesting fact: Richard played tennis at the White House. His parents own 8 dogs and 5 ducks, and do not live in the country.



Scott Hamlin, MD

Medical School: University of South Florida College of Medicine
Interesting fact: Scott can do a standing back flip. No one knows that he can't live without cheese.



Valeria Moncayo, MD

Medical School: Pontificia Universidad Catolica del Ecuador
Subspecialty: Nuclear Medicine
Interesting fact: Valeria worked as a physician sonographer for three years in Brazil and Ecuador doing OB/GYN and General Ultrasound.



Peter Harri, MD

Medical School: Emory University SOM
Interesting fact: Peter taught AP European History while he was a high school student. He was carded to prove he was over 15 to sit in the exit row of a plane while flying to New Orleans in May this year.



Nicholas Plaxton, MD

Medical School: Case Western Reserve University
Subspecialty: Nuclear Medicine
Interesting fact: Nicholas has biked across the United States from San Diego, CA to Jacksonville, FL. He raced against Lance Armstrong as a teenager.



Shannon Hill, MD

Medical School: University of South Florida College of Medicine
Interesting fact: Shannon was on a state-championship weightlifting team in high school.



Khalil Salman, MD

Medical School: Jordan University- Amman
Subspecialty: Nuclear Medicine
Interesting fact: Khalil and his wife are expecting their first child in October. His hobbies include kite surfing, tennis, cycling, photography and IT.



Soham Mahadevia, MD

Medical School: Albert Einstein College of Medicine (NY)
Interesting fact: Soham plays the tabla (an Indian classical drum), and was part of a jazz-fusion band in college.

Introducing the Radiology Fellows

Welcome Fellows! We are happy to recognize those who have continued to grow here at Emory following their residency program and welcome those who are bringing fresh initiative as they join the Radiology Department.

Abdominal Imaging



Swapnil Bagade, MD

Medical School: K.J. Somaiya Medical College and Research Center

Residency: Memorial Hospital, Mumbai, India

Interesting fact: Swapnil got married in May 2010. He likes photography and watching soccer.



Abhijit Datir, MD

Medical School: Grant Medical College, India

Residency: Northwick Park Hospital, London, UK

Interesting fact: Abhijit enjoys watching and playing cricket, as well as soccer.



Erik Dowden, MD

Medical School: University of Louisville SOM

Residency: Emory University SOM

Interesting fact: Erik has a Rhodesian Ridgeback named Gus.



Miguel Fernandez, MD

Medical School: Mercer University SOM, Macon

Residency: University of South Carolina

Interesting fact: Miguel likes to play tennis, racquetball, enjoys skiing and traveling.



Hasmukh Prajapati, MD

Medical School: B.J. Medical College, Gujarat University, Ahmedabad, India

Residency: N.H.L. Medical College, India

Interesting fact: Hasmukh loves Indian classical music and playing with his daughter.



Trevor Rose, MD

Medical School: Emory University SOM

Residency: Emory University SOM

Interesting fact: Trevor was born in Jamaica, just outside of Kingston.

Pediatric Radiology



Aruna Polsani, MD

Medical School: Kasturba Medical College in Karnataka, India

Residency: Mahadevappa Rampure Medical College

Interesting fact: Aruna enjoys cooking Indian food and has traveled to 10 states visiting various locations along the way.

Musculoskeletal



Bela Bhatia, MD

Medical School: Medical University of South Carolina

Residency: Mount Sinai Medical Center

Interesting fact: Bela enjoys spending time with her two children, reading and traveling.



Paul Harkey, MD

Medical School: Northeastern Ohio Universities College of Medicine

Residency: MetroHealth Medical Center/ Case Western Reserve University

Interesting fact: Paul enjoys spending time with his family and an occasional round of golf on the weekends.



Cameron Kersey, MD

Medical School: Mercer University SOM

Residency: Baptist Health System

Interesting fact: Cam's hobbies include golf, snow skiing, running and UGA football.



Zahir Momin, MD

Medical School: Medical College of Georgia

Residency: Emory University SOM

Interesting fact: Zahir grew up in India and came to the United States in 1990. He has been living in the Atlanta area ever since.

Breast Imaging



Mia Jackson, MD

Medical School: Emory University SOM

Residency: Emory University SOM

Interesting fact: Mia's high school basketball jersey was retired. She also finished the Peachtree Road Race this year in under an hour.



Stephanie Morgan, MD

Medical School: Medical University of South Carolina

Residency: Emory University SOM

Interesting fact: Stephanie loves to rescue animals. She is also an avid reader who likes to snow ski, water ski, hike, scuba dive and travel.



Lisa Paulis, MD

Medical School: Albany Medical College

Residency: Bryn Mawr Hospital in Bryn Mawr, PA

Interesting fact: Lisa and her husband both started at Emory in July. They recently had their first child.

Introducing the Radiology Fellows

Interventional Radiology & Imaging Guided Medicine



Robert Burgess, MD

Medical School: University of Texas Medical Branch
Residency: University of Illinois College of Medicine

Interesting fact: Robert regularly eats hot dogs for breakfast.



Kevin Frame, MD

Medical School: Michigan State University
Western Reserve University

Residency: University of New Mexico
Interesting fact: Kevin spent a year skiing in Breckenridge, CO before medical school. He is also an avid golfer and tennis player.



Christopher Friend, MD

Medical School: University of Pittsburgh
Residency: Allegheny General Hospital, Pittsburgh
Interesting fact: Christopher was the last fellow to give an interesting fact for this publication.



Richard Herring, MD

Medical School: University of Texas Southwestern Medical School

Residency: Emory University SOM
Interesting fact: Richard enjoys playing soccer and currently plays in a men's soccer league on Thursday nights at Atlanta Silverbacks Park.



Jai Shah, MD

Medical School: University of Illinois Medical School
Residency: Advocate Illinois Masonic Medical Center

Interesting fact: Jai was almost selected to appear on Donald Trump's TV show, "The Apprentice".



William Slater, MD

Medical School: Wayne State University SOM
Residency: Emory University SOM

Interesting fact: Bill lived in the Czech Republic for one year. He enjoys skiing, hockey and traveling.

MR Body Imaging



James Costello, MD

Medical School: Emory University SOM
Residency: Emory University SOM
Interesting fact: Jimmy enjoys swimming at the Emory Student Activity & Academic Center.

Neuroradiology



Affaan Bangash, DO

Medical School: Lake Erie College of Osteopathic Medicine
Residency: Mount Clemens Regional Medical Center, Michigan

Interesting fact: Affaan is crazy about golf. If anyone is interested in playing a round anytime, he is in.



Jessica Hoots, MD

Medical School: Medical College of Virginia
Residency: Georgetown University Hospital
Interesting fact: Jessica has signed up for the Atlanta Marathon and hopes to finish under four hours.



Arin Katzer, DO

Medical School: Kansas City University of Medicine & Biosciences
Residency: Michigan State University – Pontiac Division

Interesting fact: Arin enjoys golfing, biking and spending time with his family.



Paolo Lim, MD

Medical School: University of Texas Southwestern Medical School

Residency: Emory University SOM
Interesting fact: Paolo played a starring role as a double agent in his medical school senior film, "Pancakes at Parkland".



Gamaliel "Gama" Lorenzo, MD

Medical School: Tufts University SOM
Residency: Tufts Medical Center
Interesting fact: Gama prefers to be called "Gama" as in gamma rays. He has also driven across the country three times.



Brian Suddarth, MD

Medical School: Virginia Commonwealth University School of Medicine

Residency: Virginia Commonwealth University Medical Center
Interesting fact: Brian has a twin brother and a goal of fishing all 100 of the best trout streams in America.



Zaixiang "Sherry" Zhang, MD

Medical School: Qingdao University Medical College
Residency: University of Connecticut Health Center & Wayne State University

Interesting fact: Sherry likes to learn and enjoys trying new things.

NEW FACULTY



Seena Dehkharghani, MD

Assistant Professor - Neuroradiology

Dr. Dehkharghani received his MD from the University of Missouri, Kansas City accelerated 6-yr MD-BA program. He subsequently completed his residency in diagnostic radiology at the St. Joseph's Hospital and Medical Center and Barrow Neurologic Institute, where he served in the capacity of chief resident in his final year in the program. Dr. Dehkharghani continued his education with a Fellowship in Diagnostic

Neuroradiology from Stanford University Medical Center, where he pursued research interests in advanced MRI applications, including collaborative projects investigating the utilization of spectroscopic MR Thermometry in coma patients, novel artifacts in diffusion weighted imaging with parallel imaging acquisition, and his recently published study discussing unilateral calcifications of the basal ganglia in association with intracerebral vascular anomalies. Dr. Dehkharghani's research efforts were presented at the American Society of Neuroradiology, and he has continued to pursue his interests in the educational and investigational arenas in related topics since that time.



Brent Little, MD

Assistant Professor - Cardiothoracic

After receiving his MD from Yale University School of Medicine, Dr. Little continued his education with an Internal Medicine Internship at Mount Sinai Hospital in New York City. He completed a Diagnostic Radiology Residency at Montefiore Medical Center/Albert Einstein College of Medicine before completing his Cardiothoracic Radiology Fellowship at Massachusetts General Hospital.

Dr. Little's recent research has focused on the CT characteristics of esophagoairway fistulas, with a poster to be presented at the Radiological Society of North America November 2010 meeting. Recent work accepted for publication includes a case report and review of intrathoracic hibernomas in the Journal of Thoracic Imaging. Dr. Little is currently completing research on outcomes of follow up chest radiographs in outpatients with suspected pneumonia. Recent teaching experiences have included participation in the Harvard medical student case conferences and frequent presentations at the multidisciplinary oncology conference series at MGH.



Nilesh Desai, MD

Assistant Professor - Neuroradiology

Dr. Nilesh Desai received his MD from Texas A&M University Health Sciences Center College of Medicine. He continued his education with an internal medicine internship at the Texas A&M University Health Sciences Center Scott and White Memorial Hospital and then a Diagnostic Radiology Residency at the University of Texas at Southwestern Medical Center Parkland Health and Hospital System. During

his final year of residency, Dr. Desai took on the role of Chief Resident. In 2009, he completed his Diagnostic Neuroradiology Fellowship from University of Texas at Southwestern Medical Center Parkland Health and Hospital System. He then completed a Pediatric Neuroradiology Fellowship from University of Texas at Southwestern Medical Center Children's Medical Center at Dallas in 2010.

Dr. Desai is currently completing a project on the clinical utility of post-contrast FLAIR neuroimaging in pediatric patients which he recently presented at the 2010 Society of Pediatric Radiology meeting.



Milan Mehta, MD

Assistant Professor - Interventional Radiology

Dr. Mehta completed a fellowship in Interventional Radiology at the University of Pennsylvania before joining the Emory University faculty. Prior to that, he did his residency in Diagnostic Radiology at Emory University, during which time he served as chief resident. Dr. Mehta has had a strong interest in education. During the course of his residency and fellowship he prepared numerous

case presentations and teaching conferences. He also served on the Resident Education Committee, a panel composed of various hospital leaders with the purpose of evaluating and improving resident education. During his residency he also worked closely with attendings in the abdominal and neurological radiology departments on multiple interesting case reports. Those collaborations led to two accepted submissions to the American College of Radiology Case-in-Point website, highlighting his work on "Vertebral Artery Dissection and Basilar Artery Thrombosis" and "Visceral Angioedema."



Christopher Ho, MD

Assistant Professor - Breast Imaging

Dr. Ho completed his Diagnostic Radiology Residency and Breast Imaging Fellowship at the University of Virginia prior to joining Emory University.

Dr. Ho's recent research and presentations include: Hints for Detecting Invasive Lobular Carcinoma: Emphasis on Histology as It Impacts Imaging Features; Accuracy of MRI/MRA in Assessing Local Resectability of Pancreatic Carcinoma; and Handheld Device Review of Abdominal CT for the Evaluation of Acute Appendicitis previously presented at RSNA Annual Meetings. He received the Certificate of Merit and was honored with the Cum Laude Exhibit Award from the RSNA. His prior publications include "Traumatic Retroperitoneal Injuries: Review of Multidetector CT Findings," published in RadioGraphics.

Dr. Ho was a former chief resident at the University of Virginia and was also recognized as the Fellow of the Year during his time as a Breast Imaging Fellow.



Douglas Robertson, MD, PhD

Acting Professor - ER/MSK Radiology

Dr. Robertson received his MD and PhD from Georgetown University. He then completed a General Surgery Internship at Milton S. Hershey Medical Center at The Pennsylvania State University before an Orthopedic Surgery Research Fellowship from Brigham and Women's Hospital and a Harvard Combined Orthopedic Residency from Harvard Medical School. After Harvard, Dr. Robertson

went to Johns Hopkins Hospital for Radiology Residency. He then completed a Musculoskeletal Radiology Fellowship from Mallinckrodt Institute of Radiology at Washington University. Before joining the faculty at Emory University Hospital in 2010 as an Acting Professor of Radiology, Dr. Robertson was an Associate Professor in the Departments of Radiology and BioEngineering at the University of Pittsburgh. He was also founding President of the private practice Foundation Radiology Group in Pittsburgh, Pennsylvania.

NEW FACULTY



Jason Weiden, MD

Assistant Professor - Emergency Radiology

Dr. Weiden received his MD from SUNY Downstate Medical Center before continuing his education with a transitional internship from Flushing Hospital Medical Center. At Montefiore Medical Center, he completed his Diagnostic Radiology Residency. He then completed his fellowship in Trauma and Emergency Radiology from Massachusetts General Hospital before joining the faculty at Emory.

As a fellow in the Emergency Radiology Division at Massachusetts General Hospital, Dr. Weiden attained proficiency across multiple imaging modalities including radiographs, CT, MR and ultrasound during this experience. In addition to his clinical duties, Dr. Weiden actively participated in both medical student and resident education.



Douglas Yim, MD

Assistant Professor - Interventional Radiology

Dr. Yim received his MD from the University of Southern California (USC) School of Medicine and entered active duty in the United States Navy. After completing a rotating internship and Flight Surgery training at the Naval Aerospace Medical Institute, he deployed to the Persian Gulf on the aircraft carrier USS Constellation (CV 64). Dr. Yim completed a Diagnostic Radiology Residency

from the Naval Medical Center San Diego and his Interventional Radiology Fellowship from the George Washington University Medical Center in Washington, DC. Most recently, he served as the Section Chief of Interventional Radiology at National Naval Medical Center, Bethesda, Maryland while maintaining an appointment as Assistant Professor of Radiology at the Uniformed Services University of the Health Sciences School of Medicine and Adjunct Professor at the George Washington University School of Medicine.



Shengyong Wu, MD, PhD

Senior Research Associate -
Physics & Computing

Dr. Wu received his MD from the Central South University's Xiangya School of Medicine in China. He continued his education with a Masters Degree in Biology Medical Imaging from the Department of Medical Imaging and Nuclear Medicine at Tianjin Medical University in China, where he

also received his PhD in Radiology and Medical Imaging from the Department of Medical Imaging and Nuclear.

Dr. Wu has performed some clinical and pre-clinical imaging research projects including MR cellular and molecular imaging by joining international collaboration teams. In his most recent research experience in VirtualScopics Inc., Dr. Wu worked on quantitative imaging analysis related to clinical trials based on segmentation (including images derived from X-ray, CT, MR scan, PET/CT or ultrasound).



Rianot Amzat, MBBS

Research Associate - Nuclear Medicine

Rianot received her Bachelor of Medicine from the College of Medicine in Idiaraba and her and Bachelor of Surgery from University of Lagos in Nigeria. She continued her education and received a Master of Public Health with a focus in Health policy and management from Emory University's Rollins School of Public Health.



Jeffery Klenc, PhD

Research Associate - Radioligand Discovery Lab

Jeffery received his BS in Chemistry from Georgia Southern University. He continued his education and received a MS and PhD in Organic Chemistry from Georgia State University. Jeffery has several years of work experience as a Graduate Student. He is also a Fellow of the Molecular Basis of Disease Area of Focus (MBDAF).



Bradley Rostad, PhD

Research Associate - MR Research

Bradley received his BS in Chemical Engineering from Georgia Institute of Technology and his MD from Emory University School of Medicine. He is currently investigating labeled iron oxide nanoparticles and their potential as an MR contrast agent for identifying vulnerable atherosclerotic plaques.

NEW FACES & APPOINTMENTS



Lamar Laney

Radiology Lead Transporter - EUH

Lamar was recently promoted to lead transporter for the evening shift where he will oversee five other transportation attendants. He joined our Department in May of 2008 after gaining seven years of experience from Atlanta Medical Center. Lamar is an avid sports fanatic and enjoys watching FSU football, Dallas Cowboys football and the LA Lakers.



Kelechi Nwoku, MPH

Administrative Fellow - EUH

In 2010, Kelechi received his MPH from Emory's Rollins School of Public Health with a focus in Health Management. He is an international medical graduate with five years of experience in the health field, including one year as grad student employee in our Department. Kelechi is a member of the Delta Omega National Public Health Honor Society.

IN THE KNOW

Quality Corner

The Service Excellence Committee says "Mission Possible"

The Radiology Service Excellence Committee (SEC) is in the final stages of production of our customer service video "Mission Possible". This video takes a humorous approach at discussing the very serious Emory Healthcare service standards. The actors are members of our own radiology team, and while many have never acted before, you would never know. The production will premier later this year in conjunction with our service excellence training for all radiology employees. The SEC has adopted the phrase "Mission Possible", which you may have seen on the recently launched "Step Up & Step Out" campaign.

For the months of July and August, the SEC's focus is "TEAMWORK." Many of us know what teamwork is, and while individual performance is important, it is the sum of ALL parts that make our team. So much has been written about amazing individuals that achieve the impossible, but the SEC wants you to remember that it only takes a spark to build a fire! And you are challenged to do your part to lead the way and promote positive interpersonal relationships that will band our department together to make our "Mission Possible" of delivering excellent customer service.

Delivering excellent customer service is a team effort. It's all or none. Pass or fail. From scheduling, pre-certification, admissions, check-in, the procedure, to the discharge - everyone must work together to give our patients

an outstanding customer experience. The Faculty Staff Assistance Program (FSAP) says working together and getting along with coworkers is "vital to our health, happiness, and productivity." In order to strengthen workplace relationships they suggest the following:

1. Pay attention to how you begin and end each day. Say hello and goodbye, express thanks and compliment others.
2. When confrontation is necessary, start conversations with "I" instead of "You." Make requests instead of demands.
3. Avoid negative phrasing and loaded labels; focus instead on behavior and what you want changed.
4. When you are upset, calm down and develop a strategy before approaching a coworker. You will be less likely to regret something you say.
5. Psychologists Rick Brinkman and Rick Kirschner state that behind every difficult interaction, there is a legitimate need. People seen as controlling often want to be successful. Negative attention seeking is often a plea for recognition. Use this knowledge to develop a response.

People pulling together, empathizing with the work and personal challenges their colleagues are facing, and doing what they can to help, with a "we're in this together" attitude will make our "Mission Possible"!

- Susan Reeder, RDMS
Clinical Sonographer

HR Tip

Health Care Reform Update - Coverage for Children Under Age 26

One of the provisions of the health care reform act was to extend the definition of "children" for health care coverage to children under age 26. Emory's medical plans will incorporate this new definition of children into our plans effective January 1, 2011. Employees will be given the opportunity to add dependent children under age 26 (if they do not have access to coverage through a plan offered by their own employer) during the annual enrollment period in October, 2010.

For additional Health Care Reform information, please log on to hr.emory.edu.

- Cynthia J. Wood, SPHR
Human Resources Manager

Updates from Imaging Applications Support (IAS)

Tools of the Trade

- Most trades have specific tools that allow those trade experts to be efficient and effective with their tasks. Ask any mechanic about their toolbox and they will proudly show you the special tools that they may use for one or another job. It is critical to keep those tools sharpened and know how to use them effectively.
- Radiologists also have specialized tools to render patient care. These tools are the various applications that provide the patient data and images that need to be reviewed and interpreted. This year we have implemented a new training plan to allow for effective and efficient use of these specialized tools. During the recent weeks, we trained 25 new attendings and fellows, 52 residents, and 75 radiology technologists on the various applications that support image interpretation. This training program is a work in progress and we are looking for feedback from folks on this new venture. This feedback will allow us to sharpen our training tools and provide the best instructions to allow Radiologist to use their tools effectively.

Please contact me with any training suggestions or training needs. Thank you.
karen.boles@emoryhealthcare.org

- Karen Boles,
Manager, Clinical Applications

GET INVOLVED

Grand Rounds – Redondos Magnificos – Ronds Grands – großartige Umläufe — Grote Rondes — μεγάλοι κύκλοι – Grandi Tondi — 盛大圓 — 壮大な円形 — 웅대한 원 – Circulos Grandes — грандиозные круги¹

Dear Colleagues,

Thank you all for contributing to a great year of Grand Rounds CME activities. I wanted to take a minute of your time to describe the structure of the grand rounds program, future changes, and how you can continue to make it a great success.

Our grand rounds program is built around 4 major themes:

- 1) Building Foundations: Presentations from Radiology faculty at Emory. Ideally, we would also like residents and fellows to also step up to the podium.
- 2) Building Bridges: Presentations by our clinical colleagues from other departments at Emory. The goal of this theme is to provide a forum to explore how we can improve our interactions with our clinical colleagues and our service to their patients.
- 3) Building Lookouts [Visiting Professor (VP) Program]: Clinical Radiologists from around the country who present their clinical perspectives on imaging and also provide senior board review sessions.
- 4) Building Skyscrapers (Distinguished Lecture Series): Imaging Scientists and Clinician Scientists from around the country who talk about the future of radiology. This part of the program is coordinated through a committee led by Dr. Tracy Faber who also coordinates the Sprawls Lecture.

In general, we have tried to have equal representation of all the subspecialties of Radiology, although this is not always possible. In addition, we have the Cooper (Neuroradiology) and the Clements (Abdominal Imaging) named lecturers who are selected by the Awards Committee each year. This year we will have Vivian Lee, MD, PhD, MBA visit us in the Spring as the Clements Lecturer. We are working on scheduling the Cooper Lecture. There are also annual features such as the Department Chair's State of the Department Address, and dedicated grand rounds slots on Quality in Radiology, Education, and Sleep Deprivation.

¹Translations from Yahoo!Babel Fish

Changes that you can expect to see in the coming year include the following:

- 1) In an effort to increase attendance by both trainees and faculty, we will be increasing the breakfast selection to include hot foods. Our goal is to consider healthy choices. We hope that this will increase attendance and also provide a venue for interaction with our colleagues.
- 2) Divisional percentage attendance numbers will be emailed to faculty similar to attendance records at the departmental faculty meetings.
- 3) Topical theme-based lectures: We will try to build some topical themes within the grand rounds that will be relevant to several divisions. For example, in Spring 2011, we will have several presentations on Thyroid Imaging that will be provided by neuroradiologists, abdominal radiologists, nuclear medicine experts and endocrinologists.

What can you do to make this a success?

- 1) Show up. This is an easy way of getting >30 CME credits for free without having to take a flight to Alaska in winter.
- 2) Let's make the speakers feel like a million bucks by sitting up front. Both internal and external speakers put in tremendous effort in their talks and it is sometimes disappointing to see everyone sitting in the rear-quick-get-away positions. We'll hide a few candy bars under random seats in the first three rows. I recommend reading a recent, excellent article addressing these issues (Levine S., The Visiting Professorship: To Fargo and Beyond, Academic Radiology, June 2010, vol. 17, pp. 808-809).
- 3) Provide us your feedback on what works and doesn't with this program. We will consider any and all suggestions that you may have to improve the program.
- 4) Continue to provide nominations for speakers, both internal and external. We take every nomination seriously. If you don't see speakers that you nominated on the grand rounds lists, it is usually because i) the speaker was here in the

last 5 years and was therefore not invited, or ii) declined our invitation, or iii) we did not invite at this time because of the balanced representations we are trying to achieve for the 10 subspecialties in radiology. So please continue to email suggestions for speakers to stridan@emory.edu.

We have several outstanding speakers scheduled for Fall 2010; the Fall speaker line-up is available on our department website at: http://www.radiology.emory.edu/user/Current_Events/GrantRounds_Fall10.pdf.

On a related note, we are also seeking approval from the CME office to make Research in Progress Seminars (RIPS) coordinated by Dr. John Votaw and held every Thursday, 2:00-3:00 pm, during the academic year; eligible for CME credit. So really the clinical faculty should be able to rack up about 60 CME credits without leaving campus.

Finally, I would like to acknowledge the great guidance from Dr. Mark Mullins and the superb coordination by Ms. Martha Howard. Thanks to Ms. Alaina Shapiro for putting together the flyers every week. Thanks also for the great service rendered by the senior residents in making the VPs feel at home; Dr. Paolo Lim led this effort for the 2009-2010 academic year and Dr. Jay Patel has volunteered his time for the next year.



- S. Srinivasan, MD, PhD
Assistant Professor of Radiology

grand rounds

Etymology: L, grandis + rotundus, wheel

A formal conference in which an expert presents a lecture concerning a clinical issue intended to be educational for the listeners. In some settings, grand rounds may be formal teaching rounds conducted by an expert at the bedside of selected patients.

From Mosby's Medical Dictionary, 8th edition.

Grand Rounds & Research Conferences will resume the first week of September. Check the Current Events page at www.radiology.emory.edu for up-to-date schedules.

GET INVOLVED

Radiology Grand Rounds

Wednesday, September 1, 2010
7:30 - 8:15 a.m.

Emory University Hospital Auditorium -
2nd Floor

Guest Speaker
**Emory Radiology Leadership Academy
Inaugural Fellows**

Topic
*Radiology Leadership Academy -
Inaugural Year Project Presentations*



Patient Satisfaction - Emory University Hospital Midtown

In June, the Radiology Department at Emory University Hospital Midtown (EUHM) was in the 85th percentile of patient satisfaction, the highest rank they have ever achieved. Here is the breakdown of the various Radiology areas and their exceptional ratings that show constant improvements to improving patient satisfaction:

Breast Imaging - 75th percentile, with a monthly mean score of 97
CT - 95th percentile, mean score of 98.1
MRI - 96th percentile, mean score of 98.3
Nuclear Medicine - 93rd percentile, mean score of 97.9



Some of the comments from patients were:

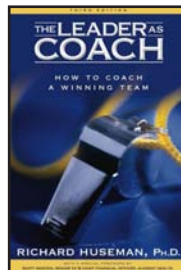
- *This is a group of people who are professional and caring!*
- *Everyone was very pleasant & informative of the process and procedure.*
- *I choose to make the drive from my home in Peachtree City to Emory Midtown because of the wonderful experience during my testing.*

Habib Tannir, Emory Healthcare Associate Administrator, expresses his personal gratitude and that of the department and on behalf of our patients to each member of the EUHM staff. As part of our organizational commitment to excellence, we rounded on those departments to say thank you. Please know that we are all committed to sustaining this achievement so let us know if there is anything that we can do to help with that.

Emory Radiology Book Club

The Radiology Department recently started a book club that unites the members of the Imaging Applications Support team and Radiology faculty/staff leadership in monthly discussions. The guiding principles of this club will include reading materials that assess self-development, growth of those we impact and care/satisfaction improvement.

Going forward, meetings will be held the 4th Tuesday of every month from noon to 1:00 pm in EUH room AG04. The first book will be *The Leader as Coach* by Richard Huseman. Each club member will be responsible for bringing one significant observation/discussion point from an assigned chapter in the book.



New members are always welcome to join the club. This opportunity will allow Radiology staff and leadership to collaborate ideas to improve not only upon your individual goals but strive for Department-wide excellence.

To join the Department's monthly book club, contact:
Chuck Powell at charles.powell@emoryhealthcare.org or
Karen Boles at karen.boles@emoryhealthcare.org.

Save the Date

27th Annual Weens Lecture And Resident Alumni Reunion

Friday, October 15, 2010
7:00 P.M.

Emory University SOM Building

With special guest,
Robert Spano,

Atlanta Symphony Orchestra Music Director
Emory University Distinguished Artist in
Residence (2010-2012)

Look for a new issue of
the Rad Report
the first full week of September.