

March, 2007

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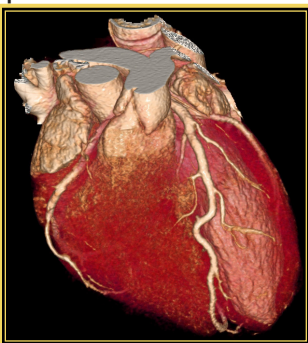
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Cardiac Imaging Center receives Scanner Transplant

The Cardiac Imaging Center, located in Emory Clinic-Building A, has up-graded, installing three new scanners: Siemens Avanto 1.5T MRI scanner, Siemens Definition Dual Source CT and Siemens Biograph 40 PET/CT. Each scanner offers a new set of advantages for Cardiac Imaging.

The installation of the Avanto Scanner at the Emory Clinic will improve our ability to perform state-of-the-art cardiac MRI. This advancement allows the radiologists to create moving images of the heart throughout its pumping cycle; this will enhance our ability to diagnose abnormalities in the cardiac chamber and show abnormal patterns of blood flow in the heart and great vessels. Stressing the patient during a cardiac MRI is available, if required.

Emory is the first in Georgia and one of the few centers in the South, to offer the Definition Dual Source CT technology to its patients. Dr. Stillman explained that "With the ability to capture data twice as fast as any existing multi-slice CT technology, the scanner can deliver motion-free cardiac images, independent of heart rate and reduces the radiation dose to the patient by almost half." Another interesting feature of the dual energy CT is the ability to allow automatic removal of bone for CT angiography and to obtain iodine contrast images of perfusion.



The Siemens Biograph-40 PET/CT is a major addition to our department. For example, cardiac imagers will now be able to see behind scar tissue, increasing the chances of detecting subtle irregularities.

This triad of cutting-edge technologies will allow the Cardiac Imaging Center to decrease the time to diagnosis, while creating a less invasive environment for patients.

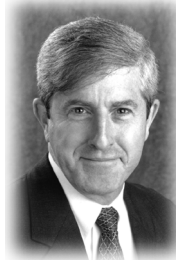
Memo from the COO

I enjoyed reading the first issue of the Emory Radiology Newsletter. It was very informative. There is so much going on in imaging services throughout Emory Healthcare. It is nice to have a newsletter to keep up with all the new initiatives and changes going on in radiology.

Everyone in imaging services – all faculty members and all staff members – play a vitally important role in the mission of Emory Healthcare. Our mission is three fold: patient care; education; research. Imaging services is at the forefront in providing leadership and expertise in all three components of our mission.

In terms of patient care, our undivided attention must focus on patient safety, patient outcome and patient satisfaction. These three components are central to all that we do each and every day. I know all members of our radiology staff focus on achieving the optimum outcome in each of these three important areas.

Radiology is one of the most dynamic departments throughout the entire health system. Changes and improvements are visible in all areas of the service. This is truly an exciting time for the faculty and staff. It is my privilege to support the department as the faculty and staff continue to strive to provide the "best in science and the best in service".



- Robert Bachman
Chief Operating Officer
Emory University Hospital

Letter from the Chair

Dear Colleagues,

Another busy month has gone by! Imaging is everywhere. The recent opening of a state-of-the-art patient and family-friendly neuro intensive care unit (2D ICU) in Emory Hospital included installation of a 64-slice CT equipped for superior angiographic and perfusion imaging. Although we had a few glitches at the start, all is going well. Our MRI needs and capabilities continue to grow and we now have a mobile 1.5T

scanner parked at Wesley Woods 2 days/week to help out.

As featured on the front cover of this month's newsletter, the Cardiac Imaging Center continues to flourish under the leadership of Arthur Stillman, MD PhD. The Siemens Definition Dual-Source CT is a particularly exciting resource that will support innovative clinical and research studies without motion artifact or the

need to pharmacologically slow the heart rate.

Emory Johns Creek Hospital opened in February to add another site of care delivery to our department's responsibilities. The brand new EJC Hospital includes state-of-the-art equipment and offers full radiological services by our Community Radiology Division.

Hats off to Naomi Alazraki, MD for being selected as this year's



Distinguished Scientist by the AFIP! This is a wonderful honor for Naomi and for Emory.

- Carolyn Cidis Meltzer, MD
Interim Chair of Radiology

Awards & Recognition

Honor of Distinguished Scientist



Dr. Naomi Alazraki, Professor of Radiology and Chief of Nuclear Medicine at the VA Medical Center in Atlanta, is this year's recipient of the Distinguished Scientist award from the Armed Forces Institute of Pathology (AFIP) section of Radiological Pathology. Dr. Alazraki will spend 6 months at the AFIP on the campus of the Walter Reed Army Medical Center in Washington, DC starting July, 2007.

The distinguished Scientist Program allows academic radiologists to study radiologic-pathologic correlation and integrate the understanding of the pathologic basis of disease with their teaching and research interests. Dr. Alazraki will also participate in the lecture schedule for the resident courses given at the AFIP. The position is supported by the RSNA, American College of Radiology, American Roentgen Ray Society and American Osteopathic College of Radiology and the award is made by the Conjoint Committee on Diagnostic Radiology.

Dr. Alazraki and her husband, Andrew Taylor, MD, Professor of Radiology, came to Emory in 1986. Prior to coming to Emory, they were on faculty

at University of Utah and VA Salt lake City, and University of California, San Diego and VA San Diego. Dr. Alazraki has provided a wide range of services to professional societies and the government. She was elected and served as President of the Society of Nuclear Medicine, 1990-91. At NIH, she has served on the Diagnostic Radiology Study Section; at the FDA she served as Chair of the Advisory Committee on Radiological Devices and the advisory committee on radiopharmaceuticals and contrast agents. At the NRC (Nuclear Regulatory Commission) she has served on the Advisory Committee for Medical Uses of Isotopes; at the VA she has served as President of the National Association of VA Chiefs of Nuclear Medicine and on the Chief Medical Director's clinical and programs advisory council. Dr. Alazraki served as Secretary and member of the Board of Directors of the American Board of Nuclear Medicine, served on the ACR commission on nuclear medicine and on the Board of the Academy for Radiology Research.

In her distinguished career, Dr. Alazraki has published more than 160 peer-reviewed scientific articles, 43 chapters and 3 books. She has dual board certification from the American Board of Nuclear Medicine and the American Board of Diagnostic Radiology, both received in 1972.

NEW Grants

Low Dose Angiogenesis Imaging using Conventional Agents and Nanoparticles for Early Breast Cancer Detection

PI: Sankararaman Suryanarayanan, Ph.D., M.B.A., Assistant Professor
 Co-Investigators: Andrew Karellas, Ph.D, Srinivasan Vedantham, Ph.D, Ioannis Sechopoulos, M.S., Carl J. D'Orsi, M.D., Mostafa El-Syed, Ph.D (Ga Tech).
 Funding Agency: Georgia Cancer Coalition
 Funding period: 11/01/2006-10/31/2007

This research is aimed at exploring contrast agents for use in contrast-enhanced digital mammography.

X-Ray Scatter Correction for Breast CT

PI: Srinivasan Vedantham, Ph.D., Assistant Professor.
 Co-Investigators: Andrew Karellas, Ph.D, Sankararaman Suryanarayanan, Ph.D, M.B.A., Ioannis Sechopoulos, M.S., Carl J. D'Orsi, M.D.
 Funding Agency: Georgia Cancer Coalition
 Funding period: 11/01/2006-10/31/2007

This research is aimed at exploring certain physical processes such as x-ray scatter that affect image quality in dedicated computed tomography of the breast.

GET INVOLVED

2007 Clements Lecture

We are pleased to announce that Dr. Jorge Soto is the 2007 Clements lecturer in Abdominal Radiology to be given on March 27, during Grand Rounds. Dr. Soto is the Director of Abdominal Imaging at Boston Medical Center and will be speaking on "Imaging of Biliary Obstruction using 64 slice MDCT". He will also be giving abdominal/GI case conference reviews for the residents at noon conferences on March 26 and 27.



Community Peace of Mind

For the 15,000 participants preparing to compete in this year's **ING Marathon**, Emory Healthcare is providing the perfect opportunity to ensure they are heart-healthy enough to undergo the rigorous 26.2 full – or 13.1 half marathon. Emory will provide blood pressure screenings and cardiac CT scans to detect for potential heart problems for \$100.

For more information or to schedule an appointment, please call 404/778-7226.

- Lance Skelly

EMORY Radiology Symphony Night Radiology Exclusive

Thursday, April 12th Atlanta Symphony Hall

7:00 pm-7:30 pm Pre-concert lecture by Kenneth Meltzer
 7:30-8:00 Radiology Mix and Mingle
 8:00 Performance

Featuring~
 Robert Spano, Conductor
 Garric Ohlsson, piano

Performing ~
 STRAVINSKY: Concerto in E-flat, "Dumbarton Oaks"
 MOZART: Piano Concerto No. 17
 STRAVINSKY: The Rite of Spring

Seat location options and ticket prices including Emory Radiology discount, tax, and handling:

\$45.86 for Loges
 \$37.54 for Dress Circle
 \$21.67 for Rear Orchestra 6

Please contact RUSSELL WHEELER at (404) 733-4807 or russell.wheeler@woodruffcenter.org to purchase. Mention **Emory Radiology Night** to receive the discount.

Deadline for reservations is **Wednesday, April 4th**. Offer not valid at box office.

Radiology Grand Rounds

March 2007

Wednesdays 7:30 - 8:15 a.m.
 Emory University Hospital Auditorium

3/7/07 Donald Flemming, M.D.
MR Arthrography of the Shoulder

3/14/07 Allen R. Tannenbaum, Ph.D.
Topic: TBA

3/21/07 Evan S. Siegelman, M.D.
MR of the Adnexa: Pearls and Pitfalls

3/28/07 Jorge A. Soto, M.D.
Imaging Biliary Obstruction in the Era of 64 MDCT

Arrive at 7 am for a Complimentary Breakfast




Radiology Accomplishments

Here we are half way through another Emory year, and what a time are we having! Emory Imaging has continued its growth path and is poised to fulfill its destiny to become the destination department for researchers, educators and practitioners. Over the last six months, we have accomplished so much... Here are a few highlights:

- new ultrasound service line in the MOT
- new angiography suite and a rejuvenated CT fleet at ECLH
- the first Dual source CT in the Southeast
- replacement PET/CT in the Cardiac Imaging Center
- refreshed MRI fleet at Executive Park and Clifton
- successful launching of the Radiology Information System (RIS) project
- improved medical necessity documentation for ECLH and EUH
- safer clinical practice for our nephropathic patients
- new CT service in the Neuro ICU
- start of the MRI move project at EUH
- record volumes for MRI, CT and PET across the healthcare system
- palpable improvement in employee engagement at Decatur Plaza billing office
- launch of a new clinical service at Emory Johns Creek
- laying of administrative infrastructure for our Emergency Radiology Division and teleradiology business
- launch of a new MRI service at Wesley Woods
- new and improved environment for our teaching program
- ACR accreditation of the Emory Clinic
- record number of NIH grant submissions, and (gasp) a record number of Emory presentations at RSNA


It is with a great deal of gratitude to our scientists, faculty, and most of all our staff that I report to you these accomplishments. I am proud to be serving this department and this organization. We are just getting started y'all, the best is yet to come.

- Habib Tannir
Administrative Director, Imaging Services
Emory Healthcare




Mary Ellen Johnson

Thank you
for 20 years
of dedication to
Emory.




New Faces & Appointments



Michael Armstrong
Assistant Director of Imaging Services
at Crawford Long Hospital

Mike comes to us from University Community Health in Tampa, Florida where he was the Imaging Operations Manager for the Medical Center. Mike has been in a radiology leadership role for the past 25 years and became a Certified Radiology Administrator in 2004.




Randolph Bethea
Radiology Manager
at Crawford Long Hospital

Randolph manages Diagnostic Radiology, Transportation, and Film File Room and also serves as an Adjunct Instructor in the Emory University Medical Imaging Program. Randolph holds a Masters Degree in Health Services Administration from the University of St. Francis in Joliet, Illinois.




Tracy Strickland
Sr. Accounting Assistant

Tracy has over 20 years of Accounts Payable & Accounts Receivable experience. Prior to joining us, Tracy served as the Senior Supplier Support Associate for Home Depot; she was also the Accounts Payable Specialist at Lucent Technologies. She brings a wealth of Accounts Payable and other administrative experience to Radiology.




Louis Smith, M.D.
Chief Resident

Dr. Smith is a fourth-year resident of the Radiology Department. He has chosen to pursue a fellowship with Nuero Radiology. Before relocating to Atlanta, Dr. Smith completed his medical degree at Louisiana State University, New Orleans.



Ashok Jayashankar, M.D.
Chief Resident

Dr. Jayashankar came to Emory after completing his Medical degree at the University of Tennessee. He currently a fourth-year resident and will be pursuing a fellowship in Body Imaging.



Mona Gupta, M.D.
Chief Resident

Dr. Gupta is currently completing her fourth-year of residency and is pursuing a fellowship in Vascular Interventional Radiology. Before coming to Emory she gained experience through a transitional internship at LDS Hospital in Salt Lake City, Utah. Dr. Gupta received her medical degree from the University of Arkansas.