

Radical Views...
from the Department of Radiology

June 2010

Mon	Tues	Wed	Thurs	Fri
3:00-4:00 ED section meeting (monthly) [ED annex, WCC] call Sheila Blalock 4-2506	1 7:30-8:15 (Collares) 8:15-9:00 (Reddy) 1:00-2:00 MRI meeting (Weekly) [TCC-484]	2 7:30-8:15 Chest Cases (O'Donnell) 8:15-9:00 Chest Conference (TBA) Weekly Wed Section Meetings: 11:00-12:00 MSK clinical conference 12:00-1:00 Thoracic Imaging, GI Oncology/GU Oncology 3:00-4:00 Mammo [TCC-484]	3 7:30 - 8:15 Pediatric MSK (Yablon) 8:15-9:15 QA Cases (Eisenberg & Sr Resident) Weekly Thurs Section Meetings: 12:00 - 1:30 Abd [WCC-354] 12:00-1:00 MSK	4 7:30 - 9:00 Chief Rounds 12:00-1:00 Resident Case Conference (Kleefield)
7 7:30-9:00 (Bennett)	8 7:30-8:15 Breast Conference: The Pregnant Patient (Joshi) 8:15-9:00 Breast Conference: The High Risk Patient (Tung) 10:30-11:30 Nuc Med meeting (GZ-103)	9 7:30 - 8:15 US Cases (McArdle) 8:15-9:00 Resident Meeting (tentative) 7:15 - 8:00 US meeting (WCC-304A Gallery)	10 7:30 - 8:15 Neuro Conference (Mani) 8:15 - 9:00 Neuro Conference (Kleefield) EVENT: Fleischner Graduation Ceremony, MFA, Boston	11 8:00 - 9:00 Fleischner Lecture: The 10 Tenets of Leadership for the 21st Century (Sanjiv Chopra) 12:00-1:00 Resident Case Conference (Moonis) EVENT: Fleischner Lecture
14 7:30-9:00 (Rofsky)	15 7:30-8:15 (Faintuch) 8:15-9:00 (Reddy) 8:00 - 9:00 IR meeting [West Recovery Rm]	16 7:30 - 8:15 Chest Cases (Eisenberg) 8:15 - 9:00 Chest Cases (Litmanovich)	17 7:30 - 8:15 End of the Year Talk (Kung) 8:15-9:00 End of the Year Talk (Long)	18 7:30 - 9:00 MRI QA Update (Steven Flaherty) 12:00 - 1:00 Resident Case Conference (Peri)
21 7:30 - 9:00 (Sun)	22 7:30 - 8:15 The Male Breast (Iuanow) 8:15-9:00 Breast Cases (Iuanow) 10:30-11:30 Nuc Med meeting (GZ-103) EVENT: 12 Noon Mentoring Program: Grantsmanship (Lenkinski) [Kirstein Living Rm]	23 7:30 - 8:15 Ultrasound Cases (Romero) 8:15 - 9:00 Nuc Med Cases (Donohoe)	24 7:30 - 8:15 Neuro Conference (Madan) 8:15 - 9:00 Neuro Conference (Teich)	25 8:00-9:00 No Grand Rounds 12:00 - 1:00 Resident Case Conference (Rojas)
28 7:30 - 9:00 (Sun)	29 7:30 - 8:15 (Faintuch) 8:15-9:00 (Reddy)	30 7:30 - 9:00 Chest Cases (Romero)	Congratulations to the graduating residents and fellows! Please stay in touch as we'll always have RSNA!	

JUNE GRAND ROUNDS: Distinguished Visiting Professor

Sanjiv Chopra, MD, MACP - Leadership for the 21st Century: The 10 Tenets of Leadership
Friday, June 11 • 8:00 - 9:00 am, Sherman Auditorium

Dr. Sanjiv Chopra will present the 17th Fleischner Memorial Lecture, **“Leadership for the 21st Century: The 10 Tenets of Leadership.”** Dr. Chopra is a Professor of Medicine and Faculty Dean for Continuing Medical Education at Harvard Medical School and Senior Consultant in Hepatology at Beth Israel Deaconess Medical Center. Dr. Chopra has written scores of publications including four books which have been translated into many languages including Portuguese, Japanese, Italian and Czech. Dr. Chopra is Editor-in-Chief of the Hepatology Section of UpToDate, the most widely used electronic textbook in the world (subscribed to by an estimated 300,000 physicians worldwide). Dr. Chopra has received numerous teaching awards such as The George W. Thorn Award for outstanding contribution to clinical education presented by Brigham and Women’s Hospital in 1985; Excellence in Teaching Award from the HMS graduating class of 1991; the Robert S. Stone Award, for outstanding clinician and teacher, BIDMC/HMS in 1995; and the 2003 American Gastroenterological Association’s Distinguished Educator Award. In 2009 Dr. Chopra was elected Master of the American College of Physicians (MACP), a singular honor bestowed to only a select few individuals for being “citizen physicians, educational innovators, scientific thinkers and humanists who inspire those around him or her and sets the standards for quality in medicine.” Dr. Chopra serves as the Course Director of several CME courses including seven annual Current Clinical Issues in Primary Care (PriMed) conferences held in collaboration with UCLA, Johns Hopkins, Baylor College of Medicine, University of Miami, Northwestern University and Columbia Presbyterian College of Physicians and Surgeons. In addition to directing these conferences, he also delivers several lectures, moderates a number of sessions and has served as a Keynote speaker. Each of the PriMed conferences are attended by 4,000 – 8,000 clinicians. Dr. Chopra has had a life long passion in educating clinicians and lay people. He has conducted scores of workshops on Success and Life Principles. He has given a number of Keynote addresses on the topic of Leadership such as “Leadership for the 21st Century: The Ten Tenets of Leadership” to wide acclaim in the United States and several countries abroad.

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DEPARTMENTAL NEWS, AWARDS & HONORS



FROM THE CHIEF
Jonathan B. Kruskal, MD, PhD

• **Congratulations Residents Adam Jeffers, Aarti Sekhar and Sachin Pandey!**

On behalf of the Center for Education, Richard M. Schwartzstein, M.D. is pleased to inform us that Adam Jeffers, Aarti Sekhar and Sachin Pandey are recipients of the “2009-2010 PCE Outstanding Resident Teaching Award.” They were selected to win these awards by the ‘09-10 HMS third year Principal Clinical Experience (PCE) class that spent the past 12 months doing their core clinical clerkships at BIDMC; they are being designated as outstanding teachers of the year. The awards will be presented Monday, June 21, at 4:30 PM in the Shapiro Atrium.

• **Congratulations Corrie Yablon!**

I am delighted to announce that Corrie Yablon has been awarded the **Rabkin Fellowship in Medical Education** at the Shapiro Institute for Education and Research for 2011. Corrie is spearheading our MSK ultrasound division and this fellowship experience will provide her with a unique opportunity to develop innovative teaching modules focused on MSK ultrasound. As the field of MSK ultrasound expands, our department is very fortunate to have Corrie leading these efforts and this award reflects the Institution's confidence in her skills and enthusiasm. We all look forward to continued growth in this modality and to sharing in Corrie's success.

• **Introducing our Alumni News section**

It's my pleasure to announce a new section in Radical Views devoted to our alumni as we have been the spawning grounds for so many radiology chairs and others who are doing amazing stuff around the country. Our hope is that if we start sending the newsletter out to alumni, they may then start sending short updates back to us on where they are and what they are doing. Ultimately, I'd like to invite them come back for a homecoming weekend in the fall where we can run a full day CME course. If any of the current staff and trainees have any contact with alumni, please pass their contact information on to Andrea Baxter (abaxter@bidmc.harvard.edu) for inclusion in our alumni database. This is also probably a good place and time to announce that we will indeed be hosting the BIDMC Alumni party at RSNA this year!

• **Jesse Wei: Departmental Liaison for IT (Information Technology) issues**

I am pleased to announce that **Dr. Jesse Wei** has taken on the role of Physician Director of IT for Radiology. In this capacity, he will be the Go-To person for networking and informatics needs (both clinical and research), particularly relating to content on both our internal and external website portals. While we still have our web editors, Larry Barbaras, Donna Wolfe and Betsy Grady, Jesse will be the one to oversee our content and determine appropriateness, location, and organization to ensure the overall integrity of our new sites. For example, if you want to add a new computer to the hospital network, create a new research database*, or add a webpage to the new portals, ASK JESSE.



*See Dr. Sam Yam for (Filemaker Pro) clinical database issues and statistics

– Jonny

• **Congratulations² Corrie Yablon!**

Corrie Yablon has accepted the position of Co-Director of the Musculoskeletal Imaging Fellowship Program. As you know, Corrie has been an ardent advocate for the quality and rigor of our fellowship training program and for the well-being and development of our fellows. She has worked together with our current and incoming fellows, with great success, on a number of different of publications. She has been building an MSK Fellowship curriculum for use here, with an eye toward fellowship curriculum development at the national level. Most recently, she has submitted an application to the Rabkin fellowship program here at Harvard, based on a project related to curriculum development for an MSK Fellowship program. Please join me in congratulating Corrie! We look forward to all the positives you will be bringing to our program.

– Mary Hochman, Chief, Musculoskeletal Imaging



operation are M-F until 5 pm and Saturday 10-2. The weekday films will be read at BIDN, and the Saturday studies read by the ED attending at BIDMC. During the summer months, they are staffed by BIDMC ED physicians, and the night and weekend hours will increase. Our affiliation with OCHS reflects HMFP Radiology's efforts to support BIDMC affiliated practices. In the future, there may be opportunity to expand to ultrasound and / or screening mammography services. I'd like to thank **Jeff Bernard** his efforts to work through the details of implementation, as well as acknowledge the help from **Sam Yam** to get us up and running. We are currently adding information and resources to the new OCHS site on the radiology intranet. Please let me know if you have any questions – unfortunately, this new site does not come with a beach house in P-Town or Truro – yet.

– Max Rosen

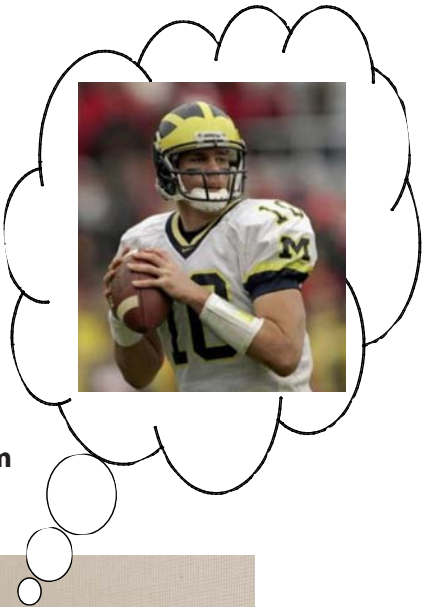
• **The Gallery: Au Revoir to the Ballerinas** - Starting Monday June 7th, we will be displaying the works of our own **Julia Swanson**, photographer. Many thanks to Kevin Donohoe for allowing us to enjoy his ballerinas for so long!

DEPARTMENTAL NEWS, AWARDS & HONORS

Morrison Research Day 2010

This year's Morrison Research Day featured the best of an unprecedented 42 submissions. Director of Research, Dr. Bob Lenkinski chose 14 talks representative of clinical, bench and educational research initiatives from a wide range of clinical and research fellows, medical and HST students and bench scientists. The remainder were invited to present their work in an alternative poster format which brought the total number of posters to 20*. Special thanks to Phil Robson and Lori Moffat for their help in hanging them!

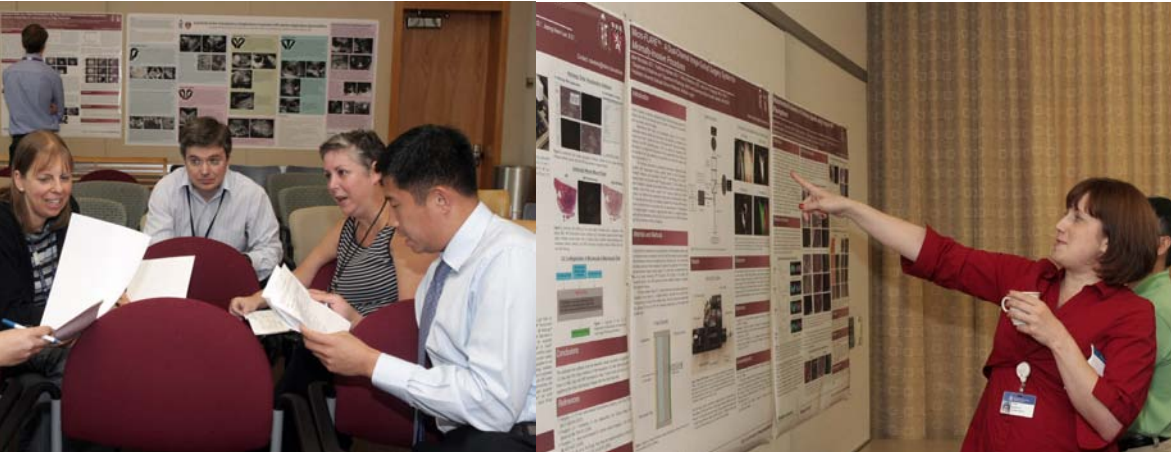
Morrison Research Awards were given to MSK Fellow **Justin Kung**, 3rd year Medical Student **Yi Li**, HST PhD candidate **Rachel Scheidegger** and Research Assistant **Jeong Huen Lee**. The judges, **Drs. Deborah Levine, Deborah Burstein, Aaron Grant** and **Jim Wu** based their decisions on the best science in terms of independence, innovation/impact and execution. The 15th Annual Morrison Lecture, *Advances in Imaging: How Do Innovations Happen?*, was eloquently and humorously delivered by **Dr. Tom (not-the-quarterback) Brady**, the Vice Chair of Radiology Research and L.L. Robbins Professor of Radiology at HMS. Afterwards, the day was capped with a catered buffet on Shapiro 10.



Drs. Thomas Brady and Robert Lenkinski sign off on yet another successful Morrison Research Day Event



2010 Morrison Research Award winners (L to R): Justin Kung, Rachel Scheidegger, Jeong Heon Lee and Yi Li.



*The 20 Posters featured at Morrison Research Day will be on display in the West Campus Clinical Center 4th floor along the corridor bordering the Clouse Conference Room

Introducing... Radical Views Alumni Feature: Where in the world is ____?



Dr. Raja Kyriakos (Resident 2002-2006) is now a member of the Radiology Group of Abington PC, Abington, PA.

Dr. Chris Taylor (Resident 2000-2004, Abd Fellow 2004-2005) still keeps in touch, if only to razz our leader. He must not have enough to do at Jersey Shore Radiology in Freehold, NJ.



Chris (I'm-too-sexy-for-my-leads) Taylor in 2005



Photo by Steve Exum

Dr. Etta Pisano ('88) is considered one of the top 10 experts in women's imaging and one of the 20 most influential people in radiology. We were extremely proud to hear that in June 2010, she will become Dean of the Medical University of South Carolina's College of Medicine. Dr. Pisano leaves the University of North Carolina where she served as the Kenan Professor of Radiology, Vice Dean for Academic Affairs, Director of the Biomedical Research Imaging Center, and Director of the North Carolina Translational and Clinical Studies Institute. Dr. Pisano trained under Ferris Hall when she was at Beth Israel Hospital as a resident (Chief Resident in 1986) and completed fellowship training in Body CT and Ultrasound. We wish her the best!



Chris Taylor and Raja Kyriakos as we remember them in 2006



Some seem younger, some a lot older!

Raja comes back for a visit with Drs. Bettina Siewert and Jonny Kruskal in 2010



Barry Sacks



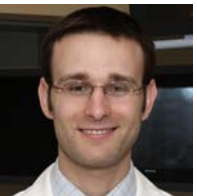
Muneeb Ahmed



Melvin Clouse



Felipe Collares



Salomao Faintuch



Laura Perry



Meghan Fashjian, NP



John Underhill, PA

Interventional Radiology (IR)

Clinical update

Clinical activities at the main campus include vascular and non-vascular procedures, including arteriography and venography, balloon angioplasty and stent placement, chemical thrombolysis and mechanical thrombectomy, IVC filtration, venous access (ports, tunneled and non-tunneled catheters), embolization (GI, bronchial or trauma bleeding, uterine fibroids, tumors, AV malformations/fistulae), biliary procedures (drainage, cholangioplasty, stent placement, stone retrieval), renal procedures (nephrostomy, nephroureteral stents, balloon dilation, stone retrieval), foreign body retrieval, and percutaneous tumor ablation.

Aside from the interventional procedures, the full-time IR radiologists (**Drs. Faintuch, Collares and Ahmed**) are also responsible for reading the US Vascular Lab, together with **Dr. Sheiman**.

Our 2 off-site outpatient clinics have seen continued growth in referrals and patient satisfaction:

1. Mass Vein Care: Located at Chestnut Hill, provides comprehensive care for patients with varicose veins, reticular/spider veins and teleangiectasias. Services include Doppler US scanning, US-guided endovenous laser ablation and sclerotherapy. Staffed by **Felipe Collares, MD** and **Linda Paul, NP**.
2. Advanced Vascular Care Center: State-of-the-art outpatient facility located in Brighton, which provides comprehensive vascular access care for patients on hemodialysis. Services include Doppler US scanning of fistulae / venous mapping, AV fistulograms (including angioplasty, thrombectomy, stenting), placement of tunneled hemodialysis catheters, and ligation of collateral veins. Staffed by **Yael Vin, MD** and **Salomao Faintuch, MD**.

New clinical services starting in 2010-11:

1. Chemoembolization of liver tumors with drug-eluting beads
2. Embolization/sclerotherapy of peripheral venous malformations
3. Radioembolization of liver tumors



A. Suresh Reddy

Interventional Neuroradiology (INR)

Interventional neuroradiology, a relatively young specialty bridging the gap between radiology and neurosurgery, celebrates its 10th year anniversary at Beth Israel Deaconess Medical Center. Also known as Neurointerventional Radiology or endovascular neurosurgery, it allows for treatment of vascular lesions of the brain, head, neck, and spine without standard surgical techniques. The lesions are approached using needles and microcatheters threaded through existing blood vessels. An array of materials including particulate emboli, sclerosing agents such as alcohol, chemotherapeutics, microscopic coils, glue, and balloons are then used to actually obstruct blood supply to the relevant site. The overall perspective for Interventional Neuroradiology is for the patient to be able to achieve a more rapid recovery with minimal discomfort and decreased risk.

Staffed by interventional neuroradiologists / neurosurgeons, radiologists, a nurse practitioner, clinical coordinator and a technologist, the Neurointervention/Endovascular Neurosurgery Center offers a wide variety of minimally invasive procedures and innovative techniques. In addition to a dedicated fellowship program in interventional neuroradiology, we also have diagnostic neuroradiology fellows and interventional radiology fellows rotating through our section. 4th year residents may also choose 'elective rotation' through our service.



Diane DiNobile, NP

The Medical Center now has a regional and national reputation for performing neurointerventional procedures. With neurosurgeon **Dr. Ajith Thomas** joining the INR team, this center performs a full variety of minimally invasive CNS-based vascular and musculoskeletal procedures. Vascular procedures include emergency stroke therapy, intracranial angioplasty, carotid and vertebral artery stenting, aneurysm coil occlusion, embolization for bleedings, treatment of vasospasm, embolization of tumors or vascular lesions, intra-arterial chemotherapy for brain, head and neck tumors, temporary test occlusion of vessels, permanent vascular occlusion, and baseline carotid/cerebral angiogram.



Ajith Thomas

Our sections also works closely with the 'Spine Center' at BIDMC. Spinal procedures include vertebroplasty/ balloon assisted kyphoplasty for compression fractures, and intradiscal nucleoplasty for herniated discs. Ours is one of the leading programs in the New England area. We perform the most advanced techniques using the Merci retrieval device and Penumbra thrombectomy device for acute strokes. We are also one of the accredited sites for 'wingspan' stents for treatment of atherosclerotic intracranial stenosis and 'neuroform stents' for stent-assisted coiling of intracranial aneurysms.

Staffing update

Staffing changes occurred during the past year, but did not affect the quality of patient care provided, and the growth of our services. The most recent update was the hiring of **Dr. Barry Sacks** as Section Chief, which will be effective July 1st. Dr. Sacks will spearhead further integration of interventional services within the Department, as well as growth outside our boundaries. **Dr. Melvin Clouse** has borne the enormous responsibility for the IR Clinical Fellowship Program, including our latest ACGME compliance reviews and updates.

Dr. Felipe Collares joined the IR section as staff radiologist last July, after completing his fellowship with us. Felipe is currently leading the efforts at our outpatient varicose vein clinic (Mass Vein Care).

Dr. Muneeb Ahmed returned to BIDMC to join the IR section as a staff radiologist, as well as Associate Director of the Minimally-Invasive Tumor Therapy lab, after completing an IR fellowship at Johns Hopkins.

Drs. Melvin Clouse, Barry Sacks, Laura Perry and Steve Reddy continue to provide part-time coverage of the IR clinical services at the main campus, as well as teaching for residents and fellows.

Meghan Fashjian, NP joined the Cross-sectional / IR services last November, after obtaining her Masters from Yale. She has been instrumental in the integration of our Interventional Oncology services.

Regarding our current fellows, we'll be fortunate to keep **Dr. Madan Reddy** for a second year of fellowship with us. Also, **Dr. Jeff Velez** will still work part-time with us in the upcoming year. We wish **Dr. Brian Callahan** very good luck in the Air Force.

Research Update

Active Prospective Clinical Trials:

1. Use of PercuNav US System Guidance for Improving TIPS.
PI: Melvin Clouse, MD, Co-investigators: Felipe Collares, MD, Laura Perry, MD, Barry Sacks, MD, Salomao Faintuch, MD
2. Randomized, Double-Blind, Placebo-Controlled, Phase II Trial of Short Course Sorafenib Therapy Prior to Radiofrequency Ablation for Intermediate-sized (3.5 to 7cm) Hepatocellular Cancer.
Co-PI: Salomao Faintuch, MD, Co-investigator: Muneeb Ahmed, MD
3. Effects of Bariatric Surgery on Patients with Cirrhosis from Nonalcoholic Steatosis (NASH).
Co-investigator: Salomao Faintuch, MD
4. The Physiology of Human Brown Adipose Tissue.
Co-investigator: Salomao Faintuch, MD

Research Grants:

1. Embolization techniques for prostate disease - Salomao Faintuch, MD
RSNA Research Scholar Grant (\$150,000)
Biosphere Medical Research Grant (\$35,000)
2. TINSAL-CV, ROMICAT II & CORE-320 MDCT
Melvin Clouse, MD

Awards:

Felipe Collares, MD - Distinguished Reviewer Award 2009 – Journal of Vascular and Interventional Radiology

Special thanks to Dr. Salomao Faintuch for his contributions to this report!

Interventional Publications

2009-present:

Brodoefel H, Burgstahler C, Heuschmid M, Reimann A, Khosa E, Kopp A, Schroeder S, Claussen CD, **Clouse ME**. Accuracy of dual-source CT in the characterisation of non-calcified plaque: use of a colour-coded analysis compared with virtual histology intravascular ultrasound. Br J Radiol. 2009 Oct;82(982):805-12. Epub 2009 Mar 30.

Brodoefel H, Burgstahler D, Sabir A, Khosa F, Claussen CD, **Clouse ME**. Coronary Plaque Quantification by Voxel Analysis: Dual-Source MDCTA angiography Versus Intravascular Sonography. AJR 2009; 192:W84-89.

Collares FB, Faintuch S, Kim SK, Rabkin DJ. Reinsertion of Accidentally Dislodged Catheters through the Original Track: What is the Likelihood of Success? J Vasc Interv Radiol. 2010 Jun;21(6):861-4. Epub 2010 Apr 22.

Dewey M, Vavere AL, Arbab-Zadeh A, Miller JM, Sara L, Cox C, Gottlieb I, Yoshioka K, Paul N, Hoe J, de Roos A, Lardo AC, Lima JA, **Clouse ME**. Patient characteristics as predictors of image quality and diagnostic accuracy of MDCT compared with conventional coronary angiography for detecting coronary artery stenoses: CORE-64 Multicenter International Trial. AJR Am J Roentgenol. 2010 Jan;194(1):93-102.

Fridman R, Bar-David T, Dayal R, **Faintuch S**, Goldin D, Hamdan A, Landsman A, Markinson B, Sperling D, Wyers M. Multidisciplinary peripheral arterial disease. Foot Ankle Spec. 2010 Feb;3(1):35-9.

Gottlieb I, Miller JM, Arbab-Zadeh A, Dewey M, **Clouse ME**, Sara L, Niinuma H, Bush DE, Paul N, Vavere AL, Texter J, Brinker J, Lima JA, Rochitte CE. The Absence of Coronary Calcification Does Not Exclude Obstructive Coronary Artery Disease or the Need for Revascularization in Patients Referred for Conventional Coronary Angiography. J Am Coll Cardiol. 2010 Feb 16;55(7):627-634.

Khan AN, Nasir K, Khosa F, Saghir A, **Clouse ME**. Effect of Volume Scan Length on Radiation Dose Using Prospective Gating with 320 MDCTA. (submitted to AJR). (Quality Assurance Initiative)

Nikolic B, Faintuch S, Goldberg SN, Kuo MD, Cardella JF. Stem cell therapy: a primer for interventionalists and imagers. J Vasc Interv Radiol. 2009 Aug;20(8):999-1012.

Mendiratta-Lala M, Brook OR, Midkiff BD, Brennan DD, Thornton E, **Faintuch S, Sheiman RG, Goldberg SN**. Quality Initiatives: Strategies for Anticipating and Reducing Complications and Treatment Failures in Hepatic Radiofrequency Ablation. Radiographics. 2010 May 12. [Epub ahead of print]

Nikolic B, Khosa F, **Lin PP**, Khan A, Sarwar S, **Yam CS**, Court L, **Raptopoulos V, Clouse ME**. Absorbed Radiation Dose in Radiosensitive Organs during MDCTA Using 320 Row Detector CT: Effect of Maximum Tube Voltage (kVp) and Heart Rate Variations. AJR accepted 2010. (Quality Assurance Initiative)

Naser A, **Clouse ME**: Aortic Valve Calcification and Subclinical Coronary Atherosclerosis. Journal of Cardiovascular Computed Tomography. 2009 [Editorial]

Powell MF, **DiNobile D, Reddy AS**. C-arm fluoroscopic cone beam CT for guidance of minimally invasive spine interventions. Pain Physician. 2010 Jan;13(1):51-9.

Salazar GM, **Faintuch S**, Gladstone SR, Lang EV. In vitro analysis of downstream particulates with mechanical thrombectomy devices: comparison of 20-kHz sonothrombolytic and rotating dispersion wire systems. J Vasc Interv Radiol. 2009 May;20(5):634-9.

Solazzo SA, **Ahmed M**, Schor-Bardach R, Yang W, Girnun GD, Rahmanuddin S, Levchenko T, Signoretti S, Spitz DR, Torchilin V, **Goldberg SN**. Liposomal Doxorubicin Increases Radiofrequency Ablation-induced Tumor Destruction by Increasing Cellular Oxidative and Nitrate Stress and Accelerating Apoptotic Pathways. Radiology. 2010 Feb 16. [Epub ahead of print]

Wykrzykowska JJ, Arbab-Zadeh A, Godoy G, Miller JM, Lin S, Vavere A, Paul N, Niinuma H, Hoe J, Brinker J, Khosa F, Sarwar S, Lima J, **Clouse ME**. Assessment of in-stent restenosis using 64-MDCT: analysis of the CORE-64 Multicenter International Trial. AJR Am J Roentgenol. 2010 Jan;194(1):85-92.

***Do you know...** that while the main focus of the upcoming Joint Commission survey will be on the quality and safety of the patient care and the care environment, the Medical center is paying particular attention to the Record of Care as well, as it is known to have been a hot spot for other area institutions as they have endured survey over the past several months.*



Beth Israel Deaconess
Medical Center



A teaching hospital of
Harvard Medical School

RECORD OF
CARE EDITION

The *Right Way* Every Day

May/June, 2010 A newsletter for BIDMC Employees highlighting our efforts to be in compliance Issue 9

Clinical Documentation and the Patient’s Record of Care are closely tied to Quality, Safety, Risk Management, Compliance and Reimbursement at BIDMC

It’s Everyone’s Work to Ensure Accurate, Timely and Complete Documentation. Remember...

- All consents must be signed, dated and timed by the patient and physician
- Use only forms that have been approved by the Medical Center’s Forms Committee
- Complete documentation immediately after the service you provided
- Sign/Date/Time (Authenticate) all documentation
- Complete a history and physical exam for all admissions
- Complete a preoperative history and physical with an update at the time of the procedure
- Complete a brief operative note immediately post operatively for surgical patients
- Do not use Prohibited Abbreviations in handwritten or electronic documentation
- Write legibly in the record

Did You Know...

- There is a *Forms Catalog* on the portal where anyone can see if a form has been approved
- There are currently **974** approved medical record forms
- Last week there were **252 inches** of loose paper for filing
- On a daily basis, there is an average of **120 phone calls** from payers, providers and patients requesting patient information
- There were **16,735** requests for copies of medical records during **FY2009**
- Today, BIDMC has over **4 million paper medical records** at an off-site facility in Dedham

Who is looking at your documentation?

WHO	WHAT	WHY
Patients	Documentation about their care including diagnoses	To understand their health status;To be the source of information for their next provider
Providers of Care	Notes, Reports/Results, Discharge Summaries	Promote continuity/handoff/continuing care
Payers	All Documentation to justify medical necessity	Reimbursement/Payment
Legal Counsel, Risk Management	All Documentation (Notes, Consents,Results...)	Defend the medical center or its physicians/clinical staffs
Regulators, Health Care Quality	All Documentation	Quality of care assessments/Compliance Monitoring

QUICK TIPS *The Right Way*

- ✓ Document the care you provide: Remember if you didn’t write it, it did not happen
- ✓ Sign, date and time everything you write
- ✓ Do not use prohibited abbreviations

For more information Contact: Gerry Abrahamian, Director, Health Information Mgmt
Email: gabraham@bidmc.harvard.edu Phone: (617) 667-5441

For more information please contact TJCSurvey@bidmc.harvard.edu or visit the *Joint Commission:The Right Way Every Day* site on the General Portal under the References tab.

Under the direction of David Feinbloom, MD (Chair of HIM Committee) a group of clinicians began review of open/active records and have been providing real time feedback and education points to authors. As a reminder, with input from several areas, Kathleen Murray put together a compact doublesided tip/reminder sheet that fits nicely in the pocket and act as a guide for clinicians on the hot topics and surveyor "favorites". (Featured in the May Radical Views page 2):
<http://home.caregroup.org/templatesnew/links/cat_out.asp?pageid=8754>

Do you know... about the 2010 Silverman Symposium?

Presented here is the 2010 Silverman Symposium Improvement Project Posters. Sponsored annually by the Silverman Institute for Health Care Quality and Safety, it celebrates BIDMC's on-efforts to improve quality and safety throughout the medical center every day. This year, approx. 95 Project Teams participated and 13 were from Radiology which will be presented here over the following months.

5S for PACS Supply Closets and Storage Areas

The Problem

PACS workstations are used throughout the hospital to view various types of Radiology images. Servicing these machines is important to ensure images can be read and interpreted in a timely manner. Over the years, our PACS storage and work areas on both campuses have become cluttered with outdated equipment and supplies. In addition, there are many items that belong to other departments that have been left behind. This clutter has caused inefficiencies by hunting and fetching for items in non-standard locations.

Aim/Goal

Utilize the LEAN 5S's to organize our 2 storage closets on East and West Campus and the PACS office on the East to improve efficiency with servicing new PACS workstations in Radiology.

The Team

- Scott Campbell, Radiology Informatics Specialist
- Joe Keegan, Radiology PACS Technician
- Jim Brophy, Manager, Radiology PACS/Informatics
- Allen Reedy, Radiology Business Director (LEAN resource)

The Interventions

- Educated project members on LEAN concepts and tools for process improvement
- Used the LEAN 5S's to:
 - Sort unneeded equipment and supplies with input from team members as well as other Radiology managers and service departments
 - Set locations for needed equipment and supplies
 - Scrub, shine and sweep the immediate work areas
 - Standardize equipment and supply locations with associated labels
 - Sustain goals by educating staff on the new locations of equipment and supplies and continually assessing the area and soliciting feedback from staff related to the changes

The Results/Progress to Date



Lessons Learned

- In shared work space, it is important to reach consensus by all those with a vested interest to determine what items are necessary to keep and where they should be stored
- Using the 5S's in our supply and storage closets has greatly reduced the time it takes to service our PACS machines
- Open communication is essential to avoid unnecessary surprises (i.e. running out of supplies, redundant ordering)

Next Steps/What Should Happen Next

- Perform regular inventory checks
- Keep only PACS related supplies in the 3 work areas

For More Information Contact: *Jim Brophy, Manager Radiology PACS/Informatics* jbrophy@bidmc.harvard.edu

**Improved Patient Access to Spine Procedures
A Radiology & Spine Center Collaboration**

The Problem

Pain procedures performed by the Spine Center require fluoroscopy guidance. The Spine Center performed these exams one day a week on SCC3 by utilizing a C-arm primarily assigned to the Urology service when it available. The Spine Center quickly saw an increase in referrals for pain procedures. In order to meet these requests, more procedure/fluoroscopy time was needed, but it was not available within the Urology unit. As a result, patient wait times for procedure appointment were lengthy (30 days).

Patients who required more immediate attention were scheduled to remote, off campus locations. Also, an additional Physiatrist was being recruited, and space for both the outpatient practice and injection service was severely limited. There was an immediate need to find another location that would allow additional procedure time with fluoroscopy available, as well as an area for patient reception and exam recovery.

Aim/Goal

Improve access and reduce patient wait times for Spine injection service appointments.

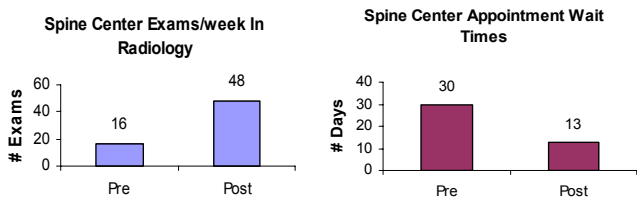
The Team

- Donna Hallett, Radiology Operations Director
- Kelly Orlando, Director, Ambulatory
- Allen Reedy, Radiology Business Director
- Betsy Grady, General Diagnostic Radiology Mgr.
- Amalia Gonzalez, Neurology/Spine Center Mgr.
- Peter Cousins, Radiology Support Service Mgr.
- Mary Anne Humphrys, R.N., Radiology Nursing
- John C. Keel, M.D., Spine Center Physiatrist

The Interventions

- Identified and removed end-of-life Radiology Fluoroscopy unit at Rabb 3
- Prepped room with patch and paint
- Assessed the ability of the reception and patient holding area to absorb the increased patient volume
- Received approval for an additional c-arm due to maximized c-arm allocation by the Feldberg and Shapiro OR's.

The Results/Progress to Date.....



- Improved utilization: another Physiatrist added to the schedule
- Improved quality and safety: Radiology Nursing available to provide nursing care for the more complex exams that previously were not performed

Lessons Learned

- Careful choice of location can minimize the need for duplicate support services (reception, recovery, etc.)
- Think creatively about the use of underutilized space.
- Multi-departmental requests for the c-arm were more compelling than a request from Radiology or the Spine Center alone.

Next Steps/What Should Happen Next:

- Monitor wait times/patient access.
- Review financial results for possible future expansion.

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2010 Publications from our Faculty Members [\[New citations in Blue\]](#). *We do a monthly PubMed search for new BIDMC publications and may miss those in which your affiliation is not noted. If we miss your paper, please send the reference to dwolfe@bidmc.harvard.edu to be included in next month's issue. Please note that publications with Epub dates in Dec 2009 are retained here as the paper publication date will indeed be in 2010.*

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