

# Radical Views...

## from the Department of Radiology MARCH 2009

Mon	Tues	Wed	Thurs	Fri
2 7:30-9:00 Board Review (Tyagi)	3 7:30 - 8:15 IR Board Review (Nikolic) Brown Bag - RESPECT Training 12-1:00 pm Kirstein Living Rm 1:00-2:00 MR section meeting (weekly)	4 7:30-8:15 Ultrasound Cases (Mehta) 8:15-9:00 TBA (Spirn) 12:00-1:00 (weekly) Thoracic Imaging section meeting GI Oncology/GU Oncology 11:00-12:00 MSK clinical conference (weekly)	5 12:00 - 1:30 Abd section meeting (weekly) 12:00-1:00 MSK section meeting (weekly)	6 Resident Case Conference (Kleefield) [TCC 484] 12:00 - 1:00 Chiefs Meeting
9 7:30 - 9:00 Board Review (Pedrosa) EVENT: Tentative ED exam 3:00-4:00 ED section meeting (ED annex, WCC)	10 7:30 - 8:15 IR M&M (IR Staff) 10:30-11:30 Nuc Med staff meeting (GZ-103)	11 7:30 - 8:15 Breast Conference (Fein-Zachary) 8:15 - 9:00 TBA (Bankier)	12 7:30 - 8:15 TBA (Colen) 8:15 - 9:00 TBA ( Moonis)	13 Grand Rounds - RESPECT training* 7:30-9am Sherman Auditorium 12:00 - 1:00 Resident Case Conference (Moonis) [TCC 484] 12:00-1:00 US section meeting
16 7:30 - 9:00 Board Review (Rofsky)	17 7:30 - 8:15 IR Board Review (IR Fellows) 8:00 IR section meeting	18 7:30 - 8:15 Ultrasound Board Review (Romero) 8:15 - 9:00 TBA (Boiselle) 12:30-1:30 Mammo section meeting	19	20 7:30 - 8:15 Grand Rounds: Chief Rounds 12:00 - 1:00 Resident Case Conference (Peri) [TCC 484]
23 7:30 - 9:00 Board Review ( Brennan)	24 7:30 - 8:15 IR Board Review (Nikolic) 10:30-11:30 Nuc Med staff meeting (GZ-103)	25 7:30 - 8:15 Breast Conference (Mehta) 8:15 - 9:00 TBA (Cantin)	26 7:30 - 8:15 TBA (Bedi) 8:15 - 9:00 TBA (Rojas)	27 12:00 - 1:00 Resident Case Conference Rojas) [Shapiro 484]
30 7:30 - 9:00 Board Review (Smith)	31 7:30 - 8:15 IR Board Review (Faintuch)		Reminder: ✓ RSNA abstract deadline: April 15, 2009	

\* Radiology Grand Rounds will kick off the first of several required training sessions in Respect Training in the Workplace 7:30-9am in Sherman Auditorium. The staff Radiologist have dedicated their brown bag meeting to this training on March 3rd. This training rolls out our new Code of Conduct for Radiology, which was drafted and approved by a multidisciplinary radiology work group, to comply with BIDMC policies and the law, and to contribute to a better more productive workplace. Respect training in the workplace is a program provided by Littler Mendelson, PC, a national employment and labor law firm, to foster an environment of respect at all levels and to maintain a workplace free from harassment.

### Chair’s Message

It gives me great pleasure to share our first department newsletter with you. This first edition of our monthly newsletter has been superbly edited by Donna Wolfe. The idea is for these newsletters to serve as a means of introducing clinical sections, modalities and training programs to you, and we look forward to publishing all honors, awards, grants and recent publications from members of our faculty. Each section and modality will be asked to provide a brief annual summary of their teaching and clinical services. The bibliography of upcoming grand rounds speakers will be included, and a complete list of all lectures for the upcoming month will be produced. It is also our intention to utilize this resource to disseminate new department policies and guidelines, to provide monthly JCAHO preparedness tips, to share data from quality outcomes projects, and to answer questions that any of you may have about our department. Please submit any questions and comments to Donna (dwolfe@bidmc.harvard.edu) and we’ll be happy to answer these. Also, we encourage feedback and suggestions for other items that can be included.

I am pleased to announce the following recent physician appointments in our Department:

- Darren Brennan**, Director of the Abdominal Imaging Fellowship Program
- Robert Kane**, member of Executive Committee, Senior Advisor to Chairman
- Deborah Levine**, Associate Chief of Academic affairs, now to include administrative oversight of Trainee Programs
- Gul Moonis**, Director of the Neuroradiology Fellowship Program
- Max Rosen**, Associate Chief of Community network Affairs, and now Director of Faculty Recruitment
- Rola Shaheen**, Chief of Radiology at Harrington Memorial Hospital, beginning March 1, 2009
- Rob Sheiman**, Co-Director of the Vascular Laboratory, effective March 1, 2009
- Priscilla Slanetz**, Director of Breast MRI



Congratulations to our Harvard Catalyst Pilot Grant award winners:

- 1) Ivan Pedrosa, David Alsop and their team for “Magnetic Resonance Imaging as a Genomic/Proteomic Expression Correlate to Characterize Renal Cell Carcinoma”
- 2) Gerry Kolodny and his multi-disciplinary team for “Method of Inducing Brown Adipogenesis by BMP-7 as an Anti-obesity Therapy”
- 3) Aaron Grant and Pankaj Seth (Co-PIs) and co-investigators Elena Vinogradov, David Alsop, Robert Lenkinski, and Vikas Sukhatme for “Non-invasive real-time metabolic imaging using hyperpolarized pyruvate to assess the Warburg effect in tumors.”

Catalyst grants carry an award of \$50,000 and began February 15, 2009

Prachi Dubey has been selected as one of the participants for the Siemens-AUR SARRAD Radiology Resident Academic Development program at this year’s 57th Annual Meeting of the Association of University Radiologists (AUR). I am happy that our Department will be represented in this program by such a promising resident. Please join me congratulating Prachi for this important achievement!

- Alex Bankier

Nuclear Medicine #4!

The school rankings are out for 2008 from the NMTCB certification boards. We knew each of the graduating student’s scores by graduation (from the 1st class) and knew they all did well, i.e. in the top percentile. What we did not know is how we ranked as a school. The results are in & we are in the 97th percentile! What that means is that we are #4 in North America with only 3 other schools ranking higher than us! Congratulations to all of you for working so hard to ensure our students are ready for the boards! This is an amazing result for our 1st class.

- David Gilmore, Program Director  
School of Nuclear Medicine Technology



RSNA Certificates of Merit-

- 1) Michael Brooks, Daniel Do-Dai, Sami Erbay, **Rafeeqe Bhadelia**, Allison Goldkamp. Intramedullary Spinal Cord Lesions: A Pictorial Review
- 2) **Jonathan Kruskal, Laurie Sammons, Robert Kane.**  
Doppler Evaluation of the Hepatic Artery: Tips for Characterizing the Spectrum of Expected and Abnormal Findings after Liver Transplantation.



RSNA Cum Laude -

- 1) James Kang, **Ronald Eisenberg, Diana Litmanovich, Phillip Boiselle.** Manifestations of Systemic Diseases on Thoracic Imaging
- 2) **Rola Shaheen**, David Graham, **Deborah Levine, Tejas Mehta.** Multimodality Imaging of Post Cesarean Section Uterine Complications
- 3) Daniel Siegal, **Jim Wu, Robert Greenman.** An Imaging Guide to Muscle Injuries and Diseases

Monthly Section Updates: Abdominal Imaging

Overview: The abdominal Imaging section, comprising 14 full- and part-time staff and 6 fellows in an ACGME-accredited program, continues to experience growth in our diagnostic and interventional services, performing and interpreting approximately 95,000 cases per year, the largest number of cases for any section or site in our Department. Members of the section also provide services at the ambulatory centers, including BeWell Body Scan and Chestnut Hill, Harrington Memorial Hospital and BID Needham campus. Nahum Goldberg is currently on sabbatical in Jerusalem where he is completing his molecular studies under the auspices of his Fullbright Scholarship. In his absence the abdominal interventional reigns have been jointly and firmly held by Darren Brennan and Rob Sheiman.

Teaching: Our teaching responsibilities extend beyond medical students, residents, fellows and technologists; the section also runs a radiology Assistant Training program and we are thrilled that our first student, Stacey McKinnon, will be graduating with a masters degree later this year. Stacey has proven to be an essential cog in the abdominal section’s wheel, and she is now obtaining the necessary interventional skills that will allow her to perform a spectrum of procedures. Also, we have recently been approved by the ACGME for an additional training position and commencing July 2009 will be training 6 abdominal imaging fellows per year.

Clinical activities: As clinical abdominal practice has shifted towards cross-sectional imaging and endoscopy, the fluoroscopy volume continues to decrease and we will now only staff Shapiro 3 outpatient fluoro for 3 days each week. This shift has also resulted in an increase in our abdominal ultrasound volume, matched by a relative decrease in MR and CT driven in part by primary care incentive programs.

March Visiting professor: Marc Levine, MD

Marc Levine has served as the chief of the gastrointestinal section in the Department of Radiology at the Hospital of the University of Pennsylvania since 1998. Additionally, in 2004, Levine was appointed as an advisory dean in the University of Pennsylvania School of Medicine, a position in which he is responsible for advising and mentoring one-fourth of each medical school class. Dr. Levine has been a prolific researcher in all areas of gastrointestinal radiology, co-authoring 189 original scientific articles and 108 chapters, review articles, and editorials in the medical literature, including seminal papers on the radiographic findings of HIV esophagitis, herpes esophagitis, Barrett’s esophagus, NSAID-induced erosive gastritis, Helicobacter pylori gastritis, and gastric MALT lymphoma. He also has been a leading proponent of double-contrast barium studies for evaluating the gastrointestinal tract and has authored or co-edited several of the major texts in his field,

including Radiology of the Esophagus, the 2nd and 3rd editions of Double Contrast Gastrointestinal Radiology, and the 1st, 2nd, and 3rd editions of Textbook of Gastrointestinal Radiology (all published and translated into multiple languages by W. B. Saunders). Dr. Levine is a frequent invited lecturer in gastrointestinal radiology, having participated as a speaker at 106 postgraduate courses and as a Visiting Professor 134 times at institutions around the world. He also has given nine named lectureships and personally organized an international education outreach program in Montevideo, Uruguay in 2003 to educate radiologists in that country about the most current concepts in gastrointestinal radiology. Dr. Levine has received numerous awards and honors including the Christian R. and Mary F. Lindback Award for distinguished teaching at the University of Pennsylvania School of Medicine in 2003, the highest teaching award given to a member of the medical school faculty. He served on the Board of Directors for The Society of Gastrointestinal Radiologists from 1998 to 2004 and as President of this international organization in 2004. Most recently Dr. Levine was awarded the Gold Medal from the Society of Gastrointestinal Radiologists. It is with immense pleasure that we welcome Marc Levine to our department.

Recent Notable Publications from our Faculty Members - Dec 2008 - Feb 2009

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.

Ahmed T, **Moonis G**, Loevner L, Weinstein G. Venous malformation of the neck with giant phleboliths. Ear Nose Throat J. 2008 Dec;87(12):E1.

Anderson SW, **Kruskal JB**, **Kane RA**. Benign hepatic tumors and iatrogenic pseudotumors. Radiographics. 2009 Jan-Feb;29(1):211-29.

Ayyala RS, Chorlton M, Behrman RH, Kornguth PJ, **Slanetz PJ**. Digital mammographic artifacts on full-field systems: what are they and how do I fix them? Radiographics. 2008 Nov-Dec;28(7):1999-2008.

Bhushan KR, Misra P, Liu F, Mathur S, **Lenkinski RE**, **Frangioni JV**. Detection of breast cancer microcalcifications using a dual-modality SPECT/NIR fluorescent probe. J Am Chem Soc. 2008 Dec 31;130(52):17648-9.

Dai W, Garcia D, de Bazelaire C, **Alsop DC**. Continuous flow-driven inversion for arterial spin labeling using pulsed radio frequency and gradient fields. Magn Reson Med. 2008 Dec;60(6):1488-97.

**Dialani V**, Ernst A, **Sun M**, **Lee KS**, Feller-Kopman D, **Litmanovich D**, **Bankier A**, **Boiselle PM**. MDCT detection of airway stent complications: comparison with bronchoscopy. AJR Am J Roentgenol. 2008 Nov;191(5):1576-80.

Erbay S, Han R, Aftab M, Zou KH, Polak JF, **Bhadelia RA**. Is intracranial atherosclerosis an independent risk factor for cerebral atrophy? A retrospective evaluation. BMC Neurol. 2008 Dec 22;8:51.

**Ganguli S**, **Camacho M**, **Yam CS**, **Pedrosa I**. Preparing first-year radiology residents and assessing their readiness for on-call responsibilities: results over 5 years. AJR Am J Roentgenol. 2009 Feb;192(2):539-44.

Gervais DA, **Goldberg SN**, Brown DB, Soulen MC, Millward SF, Rajan DK. Society of interventional radiology position statement on percutaneous radiofrequency ablation for the treatment of liver tumors. J Vasc Interv Radiol. 2009 Jan;20(1):3-8. Epub 2008 Oct 23.

Guerhazi A, Eckstein F, Hellio Le Graverand-Gastineau MP, Conaghan PG, **Burstein D**, Keen H, Roemer FW. Osteoarthritis: current role of imaging. Med Clin North Am. 2009 Jan;93(1):101-26.

Jafri NF, Ayyala RS, Ozonoff A, Jordan-Gray J, **Slanetz PJ**. Screening mammography: does ethnicity influence patient preferences for higher recall rates given the potential for earlier detection of breast cancer? Radiology. 2008 Dec;249(3):785-91. Epub 2008 Oct 21.

Krajewski KM, **Kane RA**. Ultrasound staging of rectal cancer. Semin Ultrasound CT MR. 2008 Dec;29(6):427-32.

**Kruskal JB**, Anderson S, **Yam CS**, Sosna J. Strategies for Establishing a Comprehensive Quality and Performance Improvement Program in a Radiology Department. Radiographics. 2009 Jan 23. [Epub ahead of print]

**Kruskal JB**. Recent technical and engineering advances in magnetic resonance imaging (MRI) and ultrasound. Semin Ultrasound CT MR. 2008 Dec;29(6):399.

Lattanzi R, Sodickson DK, **Grant AK**, Zhu Y. Electrodynamical constraints on homogeneity and radiofrequency power deposition in multiple coil excitations. Magn Reson Med. 2009 Feb;61(2):315-34.

McMahon CJ, **Smith MP**. Magnetic resonance imaging in locoregional staging of rectal adenocarcinoma. Semin Ultrasound CT MR. 2008 Dec;29(6):433-53.

Mostafa EM, **Ganguli S**, **Faintuch S**, Mertyna P, **Goldberg SN**. Optimal strategies for combining transcatheter arterial chemoembolization and radiofrequency ablation in rabbit VX2 hepatic tumors. J Vasc Interv Radiol. 2008 Dec;19(12):1740-8. Epub 2008 Oct 31.

**Pedrosa I**, **Ngo L**, **Wei J**, Schuster M, Mahallati H, **Smith M**, **Rofsky NM**. Dynamic half-Fourier single-shot turbo spin echo for assessment of deep venous thrombosis: initial observations. Magn Reson Imaging. 2008 Dec 22. [Epub ahead of print]

**Peri N**, Lee PH, Anderson MP, **Bhadelia RA**. Acute infarction of meningioma demonstrated by diffusion-weighted MR imaging. J Neurooncol. 2008 Dec;90(3):275-8. Epub 2008 Aug 24.

**Reddy AS**, **Dinobile D**, Orgeta JE, **Peri N**. Transoral Approach to CT-Guided C2 Interventions. Pain Physician. 2009 Jan-Feb;12(1):253-8.

**Sheiman RG**, Sitek A. Feasibility of measurement of pancreatic perfusion parameters with single-compartment kinetic model applied to dynamic contrast-enhanced CT images. Radiology. 2008 Dec;249(3):878-82. Epub 2008 Oct 7.

Stankiewicz JM, Neema M, **Alsop DC**, Healy BC, Arora A, Buckle GJ, Chitnis T, Guttmann CR, **Hackney D**, Bakshi R. Spinal cord lesions and clinical status in multiple sclerosis: A 1.5 T and 3 T MRI study. J Neurol Sci. 2009 Jan 27. [Epub ahead of print]

**Sun MR**, **Smith MP**, **Kane RA**. Current techniques in imaging of fistula in ano: three-dimensional endoanal ultrasound and magnetic resonance imaging. Semin Ultrasound CT MR. 2008 Dec;29(6):454-71.

Thibert RL, Burns JD, **Bhadelia R**, Takeoka M. Reversible uncal herniation in a neonate with a large MCA infarct. Brain Dev. 2008 Dec 17. [Epub ahead of print]

Contact us:

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