

Radical Views...


from the Department of Radiology

January 2011

Mon	Tues	Wed	Thurs	Fri
<b>3</b> 3:00-4:00 ED section meeting (monthly) [ED annex, WCC] call Sheila Blalock 4-2506  7:30 - 8:15 Emergent Pelvic US (Dr. Levine) 8:15 - 9:00 Intro/Contrast Reactions (Dr. Shah)	<b>4</b> 1:00-2:00 MRI meeting (Weekly) [TCC-484]  7:30 - 8:15 Upper Abdominal Pain (Dr. Lee) 8:15 - 9:00 Lower Abdominal Pain (Dr. Lee)	<b>5</b> Weekly Wed Section Meetings: 11:00-12:00 MSK clinical conf 12:00-1:00 Thoracic Imaging, GI Oncology/GU Oncology 3:00-4:00 Mammo [TCC-484]  7:30 - 8:15 IR in ED I (Dr. Ahmed) 8:15 - 9:00 Brain Emergencies (Dr. Camacho)	<b>6</b> Weekly Thurs Section Meetings: 12:00 - 1:30 Abd [WCC-354] 12:00-1:00 MSK  7:30 - 8:15 RUQ US (Dr. Kane) 8:15 - 9:00 Scrotal US (Dr. Kane)	<b>7</b> 8:00-9:00 No Grand Rounds  <b>EVENT: NERRS</b>
<b>10</b> 7:30 - 8:15 Spine Trauma (Dr. Teich) 8:15 - 9:00 Nontraumatic GU Emergencies (Dr. Shah)	<b>11</b> 7:30 - 8:15 Post-op Abdomen (Dr. Siewert) 8:15 - 9:00 Bowel Obstruction/Ischemia (Dr. Siewert)  10:30-11:30 Nuc Med meeting (GZ-103)	<b>12</b> 7:15 - 8:00 US meeting (WCC-304A Gallery)  7:30 - 8:15 Blunt Abdominal Trauma I (Dr. Camacho) 8:15 - 9:00 Blunt Abdominal Trauma II (Dr. Camacho)	<b>13</b> 7:30 - 8:15 Stroke Imaging (Dr. Rojas) 8:15 - 9:00 CTA/CTV Head and Neck (Dr. Ramashandran)	<b>14</b> 8:00-9:00 Grand Rounds: Chief Rounds  12:00 - 1:00 Neuro (Dr. Kleefield)
<b>17</b> 7:30 - 9:00  <b>EVENT: Mentoring Program: How to Publish in the Radiology Literature - Dr. Debbie Levine</b> 12:00-1:00 pm	<b>18</b> 7:30 - 8:15 Upper extremity trauma (Dr. McMahon) 8:15 - 9:00 Non-Traumatic MSK Emergencies (Dr. Wu)  8:00 - 9:00 IR meeting [West Recovery Rm]	<b>19</b> 7:30 - 8:15 Pelvic Trauma I (Dr. Camacho) 8:15 - 9:00 Pelvic Trauma II (Dr. Camacho)	<b>20</b> 7:30 - 8:15 Lower Extremity Trauma (Dr. Hochman) 8:15 - 9:00 Abdominal Vascular Emergencies (Dr. Pedrosa)	<b>21</b> 8:00-9:00 Grand Rounds: Quality Assurance  12:00 - 1:00 Neuro (Dr. Moonis)
<b>24</b> 7:30 - 8:15 Face and Orbit Trauma (Dr. Kleefield) 8:15 - 9:00 Spine Infection (Dr. Kleefield)	<b>25</b> 7:30 - 8:15 Chest Nontrauma (Dr. Spirn) 8:15 - 9:00 Chest Trauma (Dr. Boiselle)  10:30-11:30 Nuc Med meeting (GZ-103)	<b>26</b> 7:30 - 8:15 PE and DVT I (Dr. Levenson) 7:30 - 8:15 PE II and ED Case Potpourri (Dr. Levenson)	<b>27</b> 7:30 - 8:15 Neuro ED case conference (Dr. Moonis) 8:15 - 9:00 MSK ED cases (Dr. Yablon)	<b>28</b> 8:00-9:00 Grand Rounds: Functional Imaging of Articular Cartilage (Dr. Timothy Mosher)  12:00 - 1:00 Neuro (Dr. Peri)
<b>31</b> 7:30 - 9:00 No Resident Conference <b>EVENT: Career Week</b>		4th yr residents, if you want to get a head start on your board exams, <b>Save the Date, Sunday Feb 27, 2011</b> for a 4-hour review course courtesy of Drs. Ron Eisenberg and Priscilla Slanetz. E-mail to follow.		

January Distinguished Visiting Professor

**Timothy Mosher, MD** - Imaging of Articular Cartilage  
Friday, January 28 • 8:00 - 9:00 AM Sherman Auditorium, East Campus



Timothy J. Mosher, MD is Professor and Vice Chair of Research in the Department of Radiology at the Penn State University College of Medicine in Hershey Pennsylvania. He is Chief of the Division of Musculoskeletal Imaging and Clinical Director of MRI at Penn State. Dr. Mosher graduated from the University of Virginia in 1985 with a Masters Degree in Chemistry and obtained his MD degree at Penn State University in 1989. He completed residency in diagnostic radiology at Penn State University Hospital in 1995, was a post-graduate research fellow in MRI with Dr. Michael B. Smith at Penn State from 1989 to 1991, and a clinical fellow in MR imaging with Dr. Elias Zerhouni at Johns Hopkins University from 1995 to 1996. Dr. Mosher's research has focused on development of quantitative MRI biomarkers of articular cartilage injury with application to the study of cartilage physiology and in vivo biomechanics. Dr. Mosher serves as Deputy Editor for Magnetic Resonance in Medicine, and Associate Editor for Osteoarthritis and Cartilage, and Radiology. He has published over 50 manuscripts, books and book chapters and received the 2009 Outstanding Teacher Award for his course, *Imaging of the Lower Extremity: From Basics to Advanced Techniques* at the ISMRM Annual Meeting in Honolulu.

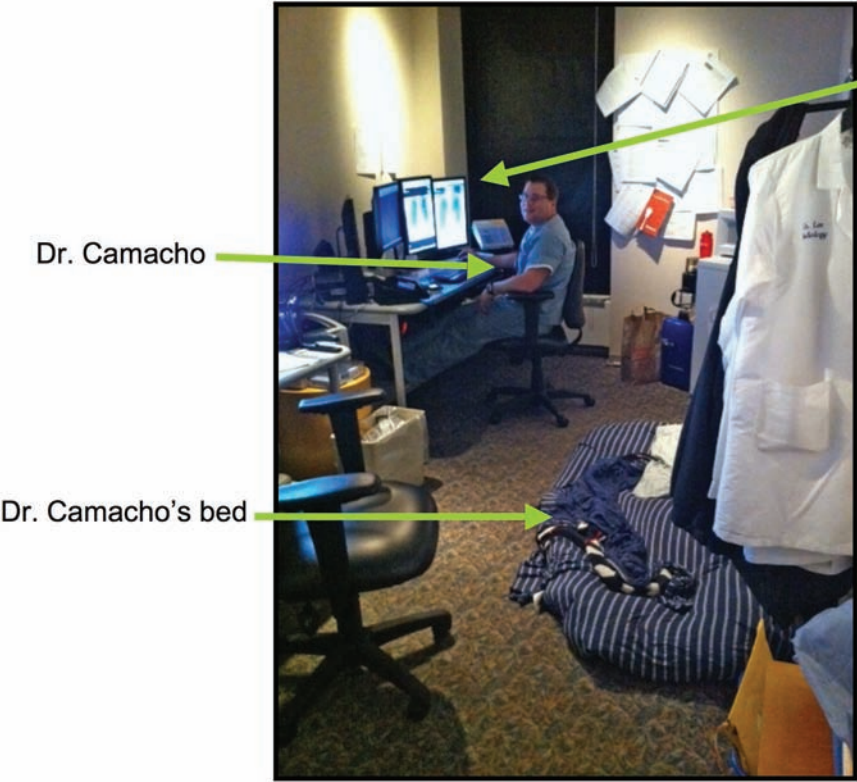
DEPARTMENTAL NEWS, AWARDS & HONORS



FROM THE CHIEF  
Jonathan B. Kruskal, MD, PhD

**Service Alert:** Please note that with the departure of James Wade, we no longer have courier service between the East and West Campuses.

The 2010 holiday season blasted out of town on a blizzard of high winds and near record snowfall but I am pleased to see that the department was safeguarded by none other than Dr. Marc Camacho!



PACS – with the last unread film at BIDMC, BIDN, HHM or Hubbard at 8:10 am Monday, December 27, 2010

From: Rosen,Max (HMFP - Radiology)  
Sent: Monday, December 27, 2010 9:05 AM  
To: Radiology Faculty - east & west by internet  
Subject: Thanks to Dr. Camacho

*I'd like to thank Marc for sleeping in the ED Annex last night to make sure that everything would be covered in case we could not get to work today.*

*(While he was here he also cleaned up all the "un-reads" across the system.)*  
-Max rosen

Welcome New Chief Residents Adam Jeffers and Sachin Pandey



Adam Jeffers, MD  
BS magna cum laude, Williams College  
MD (AOA), Medical College of Wisconsin  
Internship (Transitional) Penn Presbyterian Medical Center



Sachin Pandey, MD  
BA magna cum laude, Boston University  
MD, Boston University School of Medicine  
Internship (Transitional), Tufts University

Effective Monday, January 3, we welcome current 3rd years residents, **Adam Jeffers** and **Sachin Pandey** as our new Chief Residents. Chief Residents are chosen by their peers (with input from the Residency Program Officials) and is a vote of confidence in their leadership abilities. Special thanks to outgoing Chief Residents, **Maria Barile** and **James Kang** for their year at the helm and for their in-depth report of a year in the life of a Chief Resident featured in our Dec. 2010 issue of Radical Views.

Publications for 2010

By a strange coincidence, the department published 192 papers in both 2009 and 2010. Please see the cumulative list of original research, reviews, editorials and society guidelines beginning on page 11. Of the 192 papers published, 29 were co-authored by fellows and 5 with residents. Many papers had multiple fellows as co-authors such as two by **Ron Eisenberg** with fellows **Olga Brook**, **Annemarie O'Connell**, **Eavan Thornton**, and **Mishal Mendiratta-Lala**! Also worth noting are the papers published with trainees dating back for more than four years such as **Vassilios Raptopoulos** and **Giulia Zamboni** (2006); **Nahum Goldberg** and **Jacob Sosna** (2003) and **Muneeb Ahmed** (2002) showing an impressive evolution from mentorship to collaboration.

New for 2011

Finally, I would like to call your attention to 3 new columns in Radical Views. The first is a section highlighting our **outreach efforts**. Our first is by **Marc Camacho** and **Sachin Pandey**. I know many in Radiology also perform community support work. If you would care to share your efforts with us through Radical Views, please contact our Medical Editor Donna Wolfe (4-2515). The second new column is called **Kudos** and is an honor roll for members recognized for exemplary service and commitment to quality in daily practice. Please keep up the good work! Finally, **Ask Jesse** features updates from **Jesse Wei**, our physician director of IT. He will be giving us periodic updates of our technological infrastructure to help us make sense of the digital universe. With so many initiatives in quality and care delivery, we can face 2011 with confidence!

## MENTORING 2011

I am please to announce our schedule for mentoring meetings for Jan – March 2011. Lectures are 12-1 on Mondays. I am inviting all faculty and trainees to these meetings as the topics should be helpful and provide for interesting discussions from everyone. Locations and reminders will be sent out the week prior to each meeting

### 1/17/11 – How to publish in the Radiology literature – Debbie Levine

In this lecture we will discuss issues of framing a research question, designing a research study that answers the research question, writing the manuscript for publication with particular emphasis on paying attention to the specific journal's publication information for authors, and responding to reviewers' comments for resubmissions. We will also discuss issues of conflict of interest and authorship.

### 2/14/11 – IRB made easy –Ron Eisenberg

Do you know how to access our medical center's CCI website? What forms do you need to submit for an IRB? How can we best navigate the IRB process? Ron Eisenberg is on the IRB committee and will give us insight into these and many other issues that he deals with for our department and for the IRB in general.

### 3/14/11 – Searching the medical literature: Guest lecturer: Carol Mita

Due to an unexpected absence, our guest lecturer, Carol Mita, (Reference & Education Services Librarian Countway Library of Medicine) did not make her lecture last year. The year before we got rave reviews for her talk. You might know how to do Google searches, but it is not the same as a really good literature search. Come to this meeting to find out about how to optimize your literature searches both for clinical care and for research. Carol will also discuss how to save searches. We will have a separate talk in the fall about using EndNote.

Other upcoming lectures with details to be provided at a later date:

- 4/11/11 How to do a good Powerpoint presentation– Alex Bankier
- 5/9/11 Partnerships between researchers and industry –Bob Lenkinski
- 6/13/11 Statistics for radiology researchers –Long Ngo

– Debbie Levine



## OUTREACH 2011

As part of her mentoring program, **Debbie Levine**, Associate Chief of Academic Affairs, contributed an article in Jan 2010 on the building of a national reputation as a criteria for academic advancement and the opportunities afforded by participation in national societies. As a follow-up we featured the breast cancer prevention efforts of Dr. Rola Shaheen in Nov 2010, as an example of how Harvard Medical School can also provide numerous global opportunities to acquire national and international experience and expertise. So far, we have covered national and international efforts and we are now pleased to include a new column for more local efforts and this month's effort is spearheaded by **Marc Camacho** and Emergency Medicine.

Back in the Fall, Dr. Alden Landry, Emergency Medicine physician, contacted me about the following program:

*"Madison Park High School and BIDMC partner to bring 20 students to BIDMC for exposure to the health professions with the hopes of expanding their career plans. Every two weeks the students learn about a different organ systems in class and then come to either HMS or BIDMC to do simulation cases, skill sessions or further medical education on the topics. Half of the students come to HMS while the other half comes to our hospital. On December 9 and 16th the students will be coming to our hospital to learn about the brain and the neurologic system. We were hoping to have a lecture that reviews the anatomy of the brain and some of the pathology associated with brain injuries and diseases."*

He asked if I could identify anyone to lecture to the students about the imaging of neurological disorders. I immediately thought of our own **Dr. Sachin Pandey** as perfect for the job given his career direction (interventional neuroradiology fellow-to-be) and his natural enthusiasm. Without hesitation Sachin agreed. He just presented his talks in mid-December. Here are comments from Julie Joyal Mowschenson, Director of the HMS Bioscience Program for High School Students:

*"Dear Sachin,*

*I heard you were a big big success! Thank you so very much for your time and expertise, the students loved you. Thank you, thank you, for taking time from you busy schedule."*

This is wonderful recognition, reflecting admirably on our institution, the department and of course, our residents.

– Marc

*Editor's Note: This is also a great start. Please send notice of other Outreach efforts to Donna Wolfe (dwolfe@bidmc.harvard.edu) for inclusion in future newsletters.*



KUDOS

Please join us in recognizing the following staff for outstanding patient care and service.



**Maria Fernandes Johnson** is the December recipient of the Radiology Support Services "Quality Spot on for Service Excellence" Initiative Program.



**Lauren Finn** and **Stacy McKinnon** were praised in a letter received from a patient who has not had very good experiences elsewhere. "Hopefully Lauren and Stacy and the other amazing employees know how thankful I am for having such great care."



**Sara Ross** was recognized by Dr. Eisenberg : "I want to commend Sara Ross, for her sharp eye as well as her professionalism and concern for patient care. This afternoon she performed wrist radiographs and picked up a relatively subtle fracture of the scaphoid. She then went beyond the call of duty by coming to the MSK reading room and asked whether we wanted a specific scaphoid view and whether she should keep the patient in the department until the referring physician was contacted and a disposition was decided. All of us in the reading room were impressed this ideal example of technologist performance".



**Jason Mangosing** was recognized for going above and beyond to get a patient imaged at the east campus. Jason took the time to get a patient scheduled and all set for an exam, rather than transfer the call to the scheduling. His help facilitated the patient's discharge and contributed to optimal inpatient bed usage.



**Mary Finley** was recognized for excellent customer service performance prevented a potential stressful situation for one of our patient. A patient arrived at the West Radiology desk for an appointment. This appointment was intended for Bone Density Clinic, in addition the patient was given erroneous information on location, the department and time. Mary took control of the situation and got the patient connected with LaTarsha from the Bone Density Clinic. An appointment was setup during this exchange and the patient was able to received her test same day. The patient sent a letter acknowledging both employees for her positive experience.



**Lauren Cabral** was recognized by a patient: "Hospitals can be a very scary place for many people. I wanted to let you know that Ms. Cabral went above and beyond my expectations today. I always felt that she treated me with both respect and dignity. I have claustrophobia. She comforted me and allowed my husband to remain with us during the procedure. She was informative, knowledgeable and very understanding. The nuclear medicine department is very fortunate to have an employee like MS Cabral. In addition Lauren has been very helpful in stepping up to the plate to help supervise during vacation time.

Dear Radiology,  
A huge THANK YOU to **Mandee Martin** and **Liz Rosenberg** for such a great job on the mural on the Souper Salad windows. Our staff and patients are definitely going to love it.  
- Diana Palmisano  
Human Resources Division Administrator



*Holiday Cheer<sup>1</sup>*



# ASK JESSE



In June 2010, **Dr. Jesse Wei** was appointed Physician Director of IT for Radiology. Jesse is the Go-To person for networking and informatics needs on both our internal and external website portals. He determines appropriateness, location, and organization to ensure the overall integrity of our new sites and works closely with the hospital IT department and other technology sources for smoother operations. As we begin the New Year, Jesse offers the following updates on the IT front.

Computers and technology play a ubiquitous and visible role in today’s radiology departments. Many of the ongoing technological improvements in imaging and workflow are quite visible to us as users, as our imaging scanners become faster and produce better images, the PACS gets upgraded to provide additional features, and hospital workstations get replaced with newer and more energy-efficient systems. However, a lot of work has also been happening behind the scenes over this past year, and many projects are in place for the coming year to continue modernizing and improving the software infrastructure which directs the radiologists’ workflow.

## Radiology Information System

After a review of the dominant commercially available Radiology Information System (RIS) products, the BIDMC Information Systems (IS) department in conjunction with the Department of Radiology determined that an upgrade of our existing “homegrown” RIS would better serve the department’s and medical center’s unique needs, while minimizing workflow disruptions and maximizing the ability of BIDMC to continue customizing functionality for the needs of our users (radiologists, technologists, and other support/administrative staff). While the server infrastructure maintained by IS has been improved over the years to keep up with technological advancements, the user interface has remained essentially unchanged over the past couple decades. The Radiology Department has teamed up with IS programmers to bring the radiologist reporting interface to today’s standards.

## RISweb

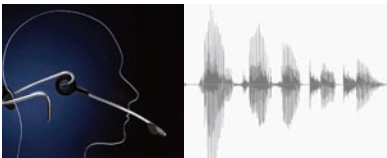
A primary accomplishment over this year has been to migrate our radiologists from the familiar blue-and-white scrolling “CCC” based application to a web-based signing system. BIDMC has been converting all clinical applications to web-based interfaces over the past decade, and the radiologist report signing module is among the last of the applications in the medical center which was still utilizing the legacy CCC interface.

In building the report signing application “RISweb,” we were able to take suggestions and feature requests from radiologists in order to improve the radiologists’ reporting workflow. The following features are among the improvements of the RISweb product when compared to the “CCC” interface:

- Web-based reporting (does not require installation of special software)
- Ability to sign individual reports and view/sort the entire list of unsigned reports
- The “oops feature” (making changes to a report which has been provisionally signed)
- Single sign-on from the BIDMC clinical portal <https://portal.bidmc.org>
- Single-click access to: prior radiology reports, the electronic medical record, inpatient order entry, and PACSweb
- Drag-and-drop cut-and-paste
- Ability to customize interface colors and fonts

In addition, feature suggestions by our radiologist end-users are regularly evaluated to determine feasibility and priority for implementation into the RISweb application.

*Because of the success of the RISweb interface, the report signing component of the legacy CCC interface will be deactivated on January 15, 2011, in order to allow our programmers to dedicate their resources towards continued improvement of the RISweb interface and other RIS projects slated for this new year.*



## Speech recognition

A common question I have been asked over the past few years is “When are we getting

voice [speech] recognition?” Front-end speech recognition allows a radiologist to review, dictate, correct, and sign-off transcribed reports in one reading session. The ability to dictate and correct reports side-by-side with the imaging examination, at the time of primary interpretation, potentially reduces mistakes, provides a faster turnaround time completed report, and even spell-check capabilities. An added unexpected benefit that many radiologists have discovered is that the time to correct reports becomes integrated with the dictations themselves, meaning that fewer reports have to be signed at home or outside the usual work hours.

*Over the coming year, the major planned project by the RIS team is to introduce speech recognition to the radiology department.* In implementing a commercial speech engine within our custom reporting environment, we can allow final signoff of reports immediately after dictation by attending radiologists, while still allowing radiologist trainees to independently dictate reports prior to a subsequent readout by the attending radiologists. We anticipate that the capability for us to integrate the speech engine with customized software will also eventually allow us to report both BIDMC (Boston) and BIDMC-Needham reports from one interface.

## Elimination of PFIs

The use of “Provisional Finding Impressions” (PFI) has been source of frustration for both radiologists and clinicians. PFIs came into use because of the prevalent practice of clinicians to copy unsigned preliminary reports into final discharge summaries without acknowledging their transient status, or to act on preliminary reports.

However, the use of PFIs frustrate clinicians as they are inconsistently utilized. Radiologists find that the time needed to enter PFIs is time consuming, and the unavailability of transcribed reports to clinicians results in increased phone calls by clinicians seeking preliminary reports. Another unexpected disadvantage of the use of PFIs has been increased transcription expenses related to the transcription of these preliminary findings.

*Over this year, PFIs will be eliminated and replaced with a system which will allow residents to manually “release” preliminary reports to clinical viewers such as OMR.* At the same time, reports which are viewed prior to signature will be “watermarked” to make cut-and-paste by clinicians more difficult. In addition, we hope to be able to provide an audit trail to radiologists to know who has viewed a preliminary report in a clinical viewer prior to its final signature.



Patient Identifier Cross-referencing for Master Patient Index

A great number of complaints from radiologists and clinicians are in regards to the separate BIDMC (Boston) and BIDMC-Needham medical record numbers within PACS. Despite the close relationship of BIDMC and BIDMC-Needham, and the fact that imaging from both sites are archived on the same PACS, there is currently no convenient way of knowing on PACS that a patient imaged at one site has imaging from the other site.

While medical record numbers (hospital ID numbers) are used to uniquely identify patients at a single healthcare site, a Master Patient Index (MPI) can be used across different sites (such as BIDMC, BIDMC-Needham, Joslin Clinic, Mt. Auburn Hospital) to ensure that a patient who has a unique identifier at each site can be identified as the same patient when medical records or imaging examinations are shared across different sites.

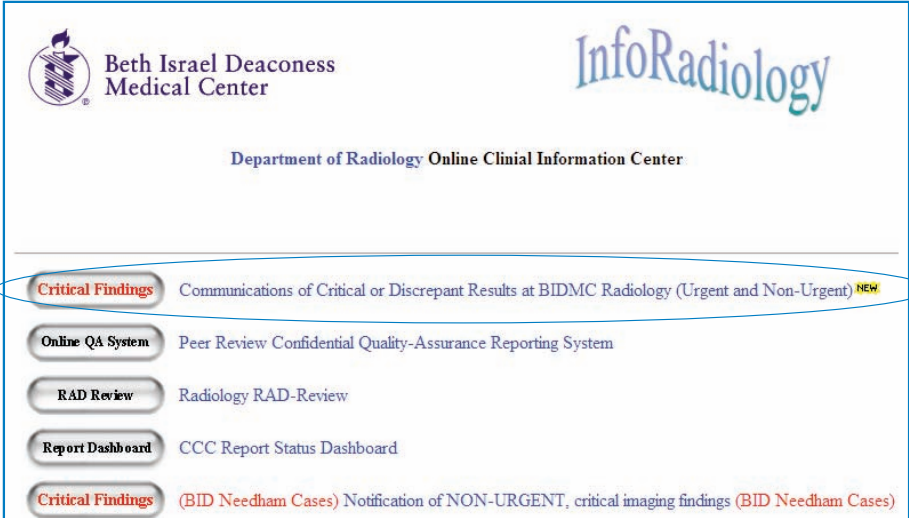
*The BIDMC PACS team will be working closely with BIDMC IS and GE Healthcare in deploying a Patient Identifier Cross-referencing (PIX) manager over the coming months, which will utilize the MPI to allow radiologists at BIDMC to easily recognize and view comparison studies from BIDMC-Needham, and vice versa.* As a result, while the radiologist’s workflow will remain unchanged, the work of the PIX manager will happen in the background, so that a patient’s previous imaging at BIDMC-Needham will become visible comparison studies when the patient is imaged at BIDMC (Boston).



The Joint Commission Compliance

The Joint Commission (TJC) cited our department’s inability to provide statistics verifying the timeliness of critical results communications to ordering providers. While radiologists routinely document time and date of communications within report dictations, we were unable to provide the statistics of this information due to the “free-text” nature of this documentation.

BIDMC Information Systems has begun to evaluate commercially available applications which would facilitate enterprise-wide communication and documentation of critical results from different clinical services to the ordering clinicians. However, in order to meet TJC requirements, the department has instituted a provisional solution within InfoRadiology (<https://inforad.bidmc.harvard.edu>).

*Communications of critical findings which require immediate notification from the reading radiologist to the ordering clinician must be documented both:*  
*(1) Within the radiology report*  
*(2) In the new InfoRadiology “Critical Findings” database*



Urgency Level (Time Line)	Examples	Mode of Communication
 Radiologist Must Make Notification Personally!!! Urgent (Immediate)	1. Pneumothorax, if unexpected 2. Tension pneumothorax 3. Leaking or ruptured AAA 4. Ischemic bowel on CT scan 5. Acute extra-axial brain collection, including acute subdural and epidural hematoma 6. Unstable spinal fracture 7. Pneumoperitoneum (non post op) 8. Significant mispositioning of tubes or catheters 9. Massive hemoperitoneum on CT or US 10. Ectopic pregnancy (even if suspected by ordering physicians) 11. Procedural complication 12. Appendicitis 13. New or unexpected DVT or pulmonary embolus 14. Any result not necessarily in the preceding list which the reporting radiologist feels will require immediate medical attention -- or -- 15. Change in a previously rendered interpretation pertinent to a condition where immediate intervention is required or was recommended.	<b>Immediate, interruptive</b> communication from the interpreting radiologist to either a responsible physician or other licensed caregiver who can initiate the appropriate clinical action to the patient  -Face to face  -Telephone contact
 Administrator Will Make Notification Non-Urgent (≤ 3 days)	1. Any finding suggestive of a new or unknown malignancy (e.g. lung nodules, solid renal mass, etc.) 2. Any new fracture 3. Biopsy recommendation on a mammogram -- or -- 4. Change in a previously rendered interpretation, that relates to a finding of current or potential clinical importance, but not one requiring immediate intervention.	Communication from either the interpreting radiologist or a coordinator.  -Face to face  -Telephone contact  -Other method that allows communication to verify that notification is successful.

See BIDMC Critical Value Notification Policy for more information.

BIDMC Portal

All of you have seen the change of the hospital intranet home page to the newest portal (<https://portal.bidmc.org>). A primary advantage of using the new portal is that your electronic sign-on credentials are automatically passed to other hospital web applications so that login information will not need to be re-entered on an ongoing basis.

While the Department of Radiology intranet is continuing to be migrated to the new portal, all features from the old intranet are already accessible from the new one.

*A direct link to the department intranet is at: <https://portal.bidmc.org/Intranets/Clinical/Radiology.aspx>*

# Going LEAN in MRI

Our mission is to be the best MRI department in Massachusetts. To achieve this goal we wanted to tap in to the creativity and problem solving skills of our excellent staff. We needed a way to get their ideas heard. The staff working directly with the patients usually have the best ideas on how things should work or can identify what does not. We want to recognize their contributions and create an atmosphere where everyone feels as though they can have a say in what we do and our never ending pursuit of trying to do it better. **We have created an Idea system called What's the Big Idea.** Staff members can submit ideas at any time, anonymously if they choose.

To get the new system underway:

- We selected a committee of four staff technologists to review ideas. The Committee represents a diverse sample of the department and includes staff members that have been at BIDMC for over 20yrs, 6yrs, 3yrs and less than 1 year.
- The Committee created an anonymous drop box (decorated with light bulbs) for people to submit ideas at multiple MRI sites.
- Ideas submitted are reviewed every three weeks and posted on a whiteboard at each MRI site to give staff an up to date display of the ideas under consideration and the status of each one.
- Staff members that elect to include their name on their submissions receive a thank you gift for their contribution.
- Updates are given at monthly staff meetings and on the display boards.

So far we have received over forty submissions from the staff and implemented a number of them already.



Idea Committee member, Maryann Buttacavoli, displays her hand-crafted Idea Box

## What's the BIG IDEA?



Big Ideas require hands-on support by committee members, Juliana Oliveira and Kristina Murach.



Meneka Raj offers a suggestion, note the Idea board behind her, which displays all the ideas under current consideration.



Clinical MRI Manager Steve Flaherty (Far Left) poses with the Idea committee and the Idea box, suggestion cards and thank you gifts.



Jason Mangosing reviews the suggestions with the committee, including Clinical MRI Supervisor Ines Cabral-Goncalves (center).



• **Good bye James Wade**

It is with very warm wishes that I announce the retirement of James Wade, our department courier. James has provided us with 20 years of devoted and dedicated service, always willing to put in the extra effort, to go the extra mile and to ensure that deadlines are met. James first started working for us as a transporter at the New England Deaconess Hospital in 1990, and later with BIDMC as our department's courier. Just like the USPS James can still be seen in rain, sleet and snow moving supplies, mail and at times people across the campus. James was never too busy to help a lost patient to find their way. Recognizable by his wheelchair filled with old radiographs, James will always be fondly remembered for his ever cheerful disposition, his knowledge and passion for current events, and his ready smile. Please join me in wishing James all the very best as he starts a new chapter in his life, and wish him a wonderful, healthy and happy retirement. James' last day is December 23. James plans to take in some sun in Florida during the upcoming months, so a department recognition event will be held at a later date. Thank you James for a job very well done!

– Betsy Grady, B.S., R.T. (R) (CV)  
General Diagnostic Manager



We toasted James with eggnog at his farewell breakfast on Dec. 23 and while we were sad to see him go, there were plenty of smiles at fond memories and hopes for a wonderful, healthy and happy retirement!



*Holiday Cheer<sup>2</sup>*

Ultrasound technologist **Sheila Nadeau** again decorated the West Campus Clinical Center 3rd floor to brighten the Ultrasound/Vascular Division. Her efforts above and beyond her clinical duties contribute to a cheerful working environment.  
Thank you, Sheila!





*Holiday Cheer<sup>3</sup>*

*The 2010 Annual Radiology Holiday Party at the Seaport Hotel:  
>400 people, one smile!*

Photos from the 2010 Holiday party  
will be available for downloading for  
one more week at  
<http://gallery.me.com/michaelarson>









**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](mailto:dwolfe@bidmc.harvard.edu) to be included in next month's issue. Please note that publications do not always appear in Pubmed in the same month they are acutally published.*

Abadi S, [Brook OR](#), Rispler S, Frenkel A, Engel A, Keidar Z. Hybrid cardiac SPECT/64-slice CTA-derived LV function parameters: correlation and reproducibility assessment. *Eur J Radiol*. 2010 Aug;75(2):154-8. Epub 2009 May 13.

Alazemi S, Majid A, Ruiz AI, **Litmanovich D**, Feller-Kopman D, Ernst A. An elderly woman with chronic dyspnea and endobronchial lesion. *Chest*. 2010 Feb;137(2):460-6.

**Alsop DC**, **Dai W**, Grossman M, Detre JA. Arterial Spin Labeling Blood Flow MRI: Its Role in the Early Characterization of Alzheimer's Disease. *J Alzheimers Dis*. 2010 Apr 22. [Epub ahead of print]

American College of Cardiology Foundation Task Force on Expert Consensus Documents, Hundley WG, Bluemke DA, Finn JP, Flamm SD, Fogel MA, Friedrich MG, Ho VB, Jerosch-Herold M, Kramer CM, **Manning WJ**, Patel M, Pohost GM, Stillman AE, White RD, Woodard PK. ACCF/ACR/AHA/NASCI/SCMR 2010 expert consensus document on cardiovascular magnetic resonance: a report of the American College of Cardiology Foundation Task Force on Expert Consensus Documents. *J Am Coll Cardiol*. 2010 Jun 8;55(23):2614-62.

Appelbaum L, **Sosna J**, Pearson R, Perez S, Nissenbaum Y, [Mertyna P](#), Libson E, **Goldberg SN**. Algorithm optimization for multitined radiofrequency ablation: comparative study in ex vivo and in vivo bovine liver. *Radiology*. 2010 Feb;254(2):430-40.

Atalay B, Riesenburger RI, Schirmer CM, **Bhadelia RA**, Weller SJ. Vertebral reconstruction using the telescopic plate spacer-thoracolumbar (TPS-TL) device. *J Spinal Disord Tech*. 2010 Jul;23(5):338-46.

**Bankier AA**, Estenne M, Kienzl D, Müller-Mang C, Muylem AV, Gevenois PA. Gravitational Gradients in Expiratory Computed Tomography Examinations of Patients With Small Airways Disease: Effect of Body Position on Extent of Air Trapping. *J Thorac Imaging*. 2010 Apr 14. [Epub ahead of print]

**Bankier AA**, **Levine D**, Halpern EF, **Kressel HY**. Consensus interpretation in imaging research: is there a better way? *Radiology*. 2010 Oct;257(1):14-7.

**Bankier AA**, Tack D. Dose reduction strategies for thoracic multidetector computed tomography: background, current issues, and recommendations. *J Thorac Imaging*. 2010 Nov;25(4):278-88.

Beeghly M, Ware J, Soul J, Plessis AD, Khwaja O, Senapati GM, Robson CD, Robertson RL, Poussaint TY, Barnewolt CE, Feldman HA, Estroff JA, **Levine D**. Neurodevelopmental outcomes of fetuses referred for ventriculomegaly. *Ultrasound Obstet Gynecol*. 2010 Jan 12. [Epub ahead of print]

Bergquist ER, **Wu JS**, Goldsmith JD, Anderson ME. Orthopaedic Case of the Month: Ankle Pain and Swelling in a 23-year-old Man. *Clin Orthop Relat Res*. 2010 Jun 29. [Epub ahead of print]

Berlin L, **Hall FM**. More mammography muddle: emotions, politics, science, costs, and polarization. *Radiology*. 2010 May;255(2):311-6.

Bhatt RS, Wang X, Zhang L, Collins MP, Signoretti S, **Alsop DC**, **Goldberg SN**, Atkins MB, Mier JW. Renal cancer resistance to antiangiogenic therapy is delayed by restoration of angiostatic signaling. *Mol Cancer Ther*. 2010 Aug 23. [Epub ahead of print]

**Boiselle PM**. Celebrating 25 years of the journal of thoracic imaging. *J Thorac Imaging*. 2010 Feb;25(1):1.

**Boiselle PM**. Celebrating our successes and reflecting upon disappointments. *J Thorac Imaging*. 2010 May;25(2):87.

**Boiselle PM**. The journal of thoracic imaging: past, present, and future. *J Thorac Imaging*. 2010 Nov;25(4):267.

**Boiselle PM**, Aberle DR, **Bankier AA**, de Roos A, Gefter WB, Goodman L, Grenier P, Hansell DM, Herold CJ, Im JG, Johkoh T, Kauczor HU, Kazerooni E, Kono M, Levin DC, MacMahon H, McCloud TC, Miller SW, Müller NL, Naidich DP, Prince MR, Rémy-Jardin MR, Schoepf UJ, Stillman AE, Webb WR, White CS. 25-on-25: twenty-five perspectives on twenty-five years of cardiopulmonary imaging. *J Thorac Imaging*. 2010 Feb;25(1):3-7.

**Boiselle PM**, Aberle DR, **Bankier AA**, de Roos A, Gefter WB, Goodman L, Grenier P, Hansell DM, Herold CJ, Im JG, Johkoh T, Kauczor HU, Kazerooni E, Kono M, Levin DC, MacMahon H, McCloud TC, Miller SW, Müller NL, Naidich DP, Prince MR, Rémy-Jardin MR, Schoepf UJ, Stillman AE, Webb WR, White CS. 25-on-25: twenty-five perspectives on twenty-five years of cardiopulmonary imaging. **Part III**. *J Thorac Imaging*. 2010 Aug;25(3):W61-6.

**Boiselle PM**, O'Donnell CR, Loring SH, **Bankier AA**. Reproducibility of Forced Expiratory Tracheal Collapse: Assessment with MDCT in Healthy Volunteers. *Acad Radiol*. 2010 Jun 29. [Epub ahead of print]

**Boiselle PM**, Reddy GP. Reviewer awards and acknowledgments: editors' recognition awards for distinction in reviewing in 2009. *J Thorac Imaging*. 2010 Feb;25(1):2.

Boitsios G, **Bankier AA**, **Eisenberg RL**. Diffuse pulmonary nodules. *AJR Am J Roentgenol*. 2010 May;194(5):W354-66.

[Brook OR](#), [Brook A](#), [Soudack M](#). Urine sensor device for fluoroscopy time reduction in pediatric voiding cystourethrography. *Eur J Radiol*. 2010 Feb 3.

[Brook OR](#), O'Connell AM, [Thornton E](#), **Eisenberg RL**, [Mendiratta-Lala M](#), **Kruskal JB**. Anatomy and Pathophysiology of Errors Occurring in Clinical Radiology Practice. *Radiographics*. 2010 Jul 9. [Epub ahead of print]

[Brook OR](#), O'Connell AM, [Thornton E](#), **Eisenberg RL**, [Mendiratta-Lala M](#), **Kruskal JB**. Quality initiatives: Anatomy and Pathophysiology of Errors Occurring in Clinical Radiology Practice. *Radiographics* 2010;30(5):1401-10.

Buell JS, Dawson-Hughes B, Scott TM, Weiner DE, Dallal GE, Qui WQ, Bergethon P, Rosenberg IH, Folstein MF, Patz S, **Bhadelia RA**, Tucker KL. 25-Hydroxyvitamin D, dementia, and cerebrovascular pathology in elders receiving home services. *Neurology*. 2010 Jan 5;74(1):18-26.

[Cantin L](#), **Bankier AA**, **Eisenberg RL**. Multiple cystlike lung lesions in the adult. *AJR Am J Roentgenol*. 2010 Jan;194(1):W1-W11.

Cassidy FH, Ishioka KM, **McMahon CJ**, Chu P, Sakamoto K, **Lee KS**, Aganovic L. MR imaging of scrotal tumors and pseudotumors. *Radiographics*. 2010 May-Jun;30(3):665-83.

[Choi HS](#), [Ashitate Y](#), [Lee JH](#), [Kim SH](#), [Matsui A](#), [Insin N](#), [Bawendi MG](#), [Semmler-Behnke M](#), **Frangioni JV**, [Tsuda A](#). Rapid translocation of nanoparticles from the lung airspaces to the body. *Nat Biotechnol*. 2010 Nov 7.

[Choi HS](#), **Frangioni JV**. Nanoparticles for biomedical imaging: fundamentals of clinical translation. *Mol Imaging*. 2010 Dec;9(6):291-310.

**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.

[Corwin MT](#), **Siewert B**, **Sheiman RG**, **Kane RA**. Incidentally Detected Gallbladder Polyps: Is Follow-up Necessary?--Long-term Clinical and US Analysis of 346 Patients. *Radiology*. 2010 Aug 9. [Epub ahead of print]

**Dai W**, **Robson PM**, Shankaranarayanan A, **Alsop DC**. Modified pulsed continuous arterial spin labeling for labeling of a single artery. *Magn Reson Med*. 2010 Jul 27. [Epub ahead of print]

Delling FN, Kang LL, Yeon SB, Kissinger KV, Goddu B, **Manning WJ**, Han Y. CMR predictors of mitral regurgitation in mitral valve prolapse. *JACC Cardiovasc Imaging*. 2010 Oct;3(10):1037-45. PubMed PMID: 20947049.

**Dialani V**, Baum J, **Mehta TS**. Sonographic features of gynecomastia. *J Ultrasound Med*. 2010 Apr;29(4):539-47.

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.

Dillon JE, **Slanetz PJ**. Teaching Evidence-Based Imaging in the Radiology Clerkship Using the ACR Appropriateness Criteria. *Acad Radiol*. 2010 Apr 21. [Epub ahead of print]

Dixon WT, Ren J, Lubag AJ, Ratnakar J, **Vinogradov E**, Hancu I, **Lenkinski RE**, Sherry AD. A concentration-independent method to measure exchange rates in PARACEST agents. *Magn Reson Med*. 2010 MAR;63(3):625-632. [Epub ahead of print]

Dixon WT, Hancu I, Ratnakar SJ, Sherry AD, **Lenkinski RE**, **Alsop DC** A Multislice Gradient Echo Pulse Sequence for CEST Imaging. *Magn Reson Med*. 2010 JAN; 63 (1): 253-256.

Do-Dai DD, Brooks MK, Goldkamp A, Erbay S, **Bhadelia RA**. Magnetic resonance imaging of intramedullary spinal cord lesions: a pictorial review. *Curr Probl Diagn Radiol*. 2010 Jul-Aug;39(4):160-85.

**Eisenberg RL, Bankier AA, Boisselle PM.** Compliance with Fleischner Society guidelines for management of small lung nodules: a survey of 834 radiologists. *Radiology.* 2010 Apr;255(1):218-24.

**Eisenberg RL,** Pollock NR. Low yield of chest radiography in a large tuberculosis screening program. *Radiology.* 2010 Sep;256(3):998-1004.

**Eisenberg RL, Yablou CM.** Career development for residents and beyond: filling in the gaps. *AJR Am J Roentgenol.* 2011 Jan;196(1):W6-7.

**Eisenberg RL,** Yamada K, **Yam CS, Spirn PW, Kruskal JB.** Electronic Messaging System for Communicating Important, but Nonemergent, Abnormal Imaging Results. *Radiology.* 2010 Sep 30. [Epub ahead of print]

Eyal E, Bloch BN, **Rofsky NM,** Furman-Haran E, Genega EM, **Lenkinski RE,** Degani H. Principal Component Analysis of Dynamic Contrast Enhanced MRI in Human Prostate Cancer. *Invest Radiol.* 2010 Apr;45(4):174-181.

Fletcher JG, Chen MH, Herman BA, Johnson CD, Toledano A, Dachman AH, Hara AK, Fidler JL, Menias CO, Coakley KJ, Kuo M, Horton KM, Cheema J, Iyer R, **Siewert B,** Yee J, Obregon R, Zimmerman P, Halvorsen R, Casola G, Morrin M. Can radiologist training and testing ensure high performance in CT colonography? Lessons From the National CT Colonography Trial. *AJR Am J Roentgenol.* 2010 Jul;195(1):117-25.

Fong TG, Inouye SK, Dai W, Press DZ, **Alsop DC.** Association cortex hypoperfusion in mild dementia with Lewy bodies: a potential indicator of cholinergic dysfunction? *Brain Imaging Behav.* 2010 Oct 6.

Fregni F, Potvin K, Dasilva D, Wang X, **Lenkinski RE,** Freedman SD, Pascual-Leone A. Clinical effects and brain metabolic correlates in non-invasive cortical neuromodulation for visceral pain. *Eur J Pain.* 2010 Sep 3.

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.

Gansler DA, Lee AK, Emerton BC, D'Amato C, **Bhadelia R,** Jerram M, Fulwiler C. Prefrontal regional correlates of self-control in male psychiatric patients: Impulsivity facets and aggression. *Psychiatry Res.* 2011 Jan 30;191(1):16-23. Epub 2010 Dec 9.

Gelfand EV, Haffajee JA, Hauser TH, Yeon SB, Goepfert L, Kissinger KV, Delatorre R, **Manning WJ.** Predictors of preserved left ventricular systolic function after surgery for chronic organic mitral regurgitation: a prospective study. *J Heart Valve Dis.* 2010 Jan;19(1):43-50.

Gerretsen SC, Kooi ME, Kessels AG, Schalla S, Katoh M, van der Geest RJ, **Manning WJ,** Waltenberger J, van Engelshoven JM, Botnar RM, Leiner T. Visualization of coronary wall atherosclerosis in asymptomatic subjects and patients with coronary artery disease using magnetic resonance imaging. *PLoS One.* 2010 Sep 29;5(9). pii: e12998. PMC2947500.

Gibbs-Strauss SL, Vooght C, Fish KM, Nasr KA, Siclován TM, Barnhardt NE, Tan Hehir CA, **Frangioni JV.** Molecular imaging agents specific for the annulus fibrosus of the intervertebral disk. *Mol Imaging.* 2010 Jun;9(3):128-40.

Gioux S, Choi HS, **Frangioni JV.** Image-guided surgery using invisible near-infrared light: fundamentals of clinical translation. *Mol Imaging.* 2010 Oct;9(5):237-55.

Gioux S, Lomnes SJ, Choi HS, **Frangioni JV.** Low-frequency wide-field fluorescence lifetime imaging using a high-power near-infrared light-emitting diode light source. *J Biomed Opt.* 2010 Mar-Apr;15(2):026005. **PMCID: PMC2859085.**

Goddeau RP Jr, Caplan LR, **Hackney DB, Alhazzani AA,** Searls DE. A very small but very symptomatic vertebral artery dissection. *Arch Neurol.* 2010 Feb;67(2):248-9.

**Goldberg SN.** Introduction to a new state of the art series on interventional oncology. *Radiology.* 2010 Dec;257(3):612-3.

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.

Hajjar I, Zhao P, **Alsop D,** Abduljalil A, Selim M, Novak P, Novak V. Association of blood pressure elevation and nocturnal dipping with brain atrophy, perfusion and functional measures in stroke and nonstroke individuals. *Am J Hypertens.* 2010 Jan;23(1):17-23. Epub 2009 Oct 1. **PMCID: PMC2810719.**

Hajjar I, Zhao P, **Alsop D,** Novak V. Hypertension and Cerebral Vasoreactivity. A Continuous Arterial Spin Labeling Magnetic Resonance Imaging Study. *Hypertension.* 2010 Sep 27. [Epub ahead of print]

**Hall FM.** E-mail alert for important imaging findings. *Radiology.* 2010 Feb;254(2):635; author reply 635-6.

**Hall FM.** Identification, biopsy, and treatment of poorly understood premalignant, in situ, and indolent low-grade cancers: are we becoming victims of our own success? *Radiology.* 2010 Mar;254(3):655-9.

**Hall FM.** Mammographic Screening: A Well-recognized Medical Advance. *Radiology.* 2010 Apr;255(1):307.

**Hall FM.** Biopsy of thyroid nodules. *AJR Am J Roentgenol.* 2010 May;194(5):1403; author reply 1403.

**Hall FM.** Cisplatin plus gemcitabine for biliary tract cancer. *N Engl J Med.* 2010 Jul 8;363(2):192; author reply 192-3.

**Hall FM.** Follow-up, biopsy, or surgical excision of palpable probably benign breast lesions. *AJR Am J Roentgenol.* 2010 Aug;195(2):529; author reply 530.

**Hall FM.** The vanishing azygos lobe. *AJR Am J Roentgenol.* 2010 Nov;195(5):1284; author reply 1285.

Han Y, Chan J, Haber I, Peters DC, Zimetbaum PJ, **Manning WJ,** Yeon SB. Circumferential myocardial strain in cardiomyopathy with and without left bundle branch block. *J Cardiovasc Magn Reson.* 2010 Jan 5;12(1):2.

Han Y, Peters DC, Kissinger KV, Goddu B, Yeon SB, **Manning WJ,** Nezafat R. Evaluation of Papillary Muscle Function Using Cardiovascular Magnetic Resonance Imaging in Mitral Valve Prolapse. *Am J Cardiol.* 2010 Jul 15;106(2):243-248.

Hancu I, Dixon WT, Woods M, **Vinogradov E,** Sherry AD, **Lenkinski RE.** CEST and PARACEST MR contrast agents. *Acta Radiol.* 2010 Oct;51:910-23.

Hansell DM, **Boisselle PM,** Goldin J, Kauczor HU, Lynch DA, Mayo JR, Patz Jr EF. Thoracic imaging. *Respirology.* 2010 Jan 28. [Epub ahead of print]

Hardak E, Brook O, Yigla M. Radiological features of *Pneumocystis jirovecii* Pneumonia in immunocompromised patients with and without AIDS. *Lung.* 2010 Apr;188(2):159-63. Epub 2010 Jan 5.

Harrigan CJ, Peters DC, Gibson CM, Maron BJ, **Manning WJ,** Maron MS, Appelbaum E. Hypertrophic Cardiomyopathy: Quantification of Late Gadolinium Enhancement with Contrast-enhanced Cardiovascular MR Imaging. *Radiology.* 2010 Nov 2. [Epub ahead of print]

Hines N, Slanetz PJ, Eisenberg RL. Cystic masses of the breast. *AJR Am J Roentgenol.* 2010 Feb;194(2):W122-33.

Hong SN, Rahimi A, Kissinger KV, **Pedrosa I, Manning WJ,** O'Halloran TD. Cardiac magnetic resonance imaging and the WATCHMAN device. *J Am Coll Cardiol.* 2010 Jun 15;55(24):2785.

Hu P, Chan J, Ngo LH, Smink J, Goddu B, Kissinger KV, Goepfert L, Hauser TH, **Rofsky NM, Manning WJ,** Nezafat R. Contrast-enhanced whole-heart coronary MRI with bolus infusion of gadobenate dimeglumine at 1.5 T. *Magn Reson Med.* 2010 Nov 30.

Hu P, Chuang ML, Kissinger KV, Goddu B, Goepfert LA, **Rofsky NM, Manning WJ,** Nezafat R. Non-contrast-enhanced pulmonary vein MRI with a spatially selective slab inversion preparation sequence. *Magn Reson Med.* 2010 Jan 23;63(2):530-536. [Epub ahead of print]

Hu P, Chuang ML, Ngo LH, Stoeck CT, Peters DC, Kissinger KV, Goddu B, Goepfert LA, **Manning WJ,** Nezafat R. Coronary MR imaging: effect of timing and dose of isosorbide dinitrate administration. *Radiology.* 2010 Feb;254(2):401-9.

Hu P, Stoeck CT, Smink J, Peters DC, Ngo L, Goddu B, Kissinger KV, Goepfert LA, Chan J, Hauser TH, **Rofsky NM, Manning WJ,** Nezafat R. Noncontrast SSFP pulmonary vein magnetic resonance angiography: impact of off-resonance and flow. *J Magn Reson Imaging.* 2010 Nov;32(5):1255-61. **PMCID: PMC2975425.**

Hundley WG, Bluemke DA, Finn JP, Flamm SD, Fogel MA, Friedrich MG, Ho VB, Jerosch-Herold M, Kramer CM, **Manning WJ,** Patel M, Pohost GM, Stillman AE, White RD, Woodard PK. ACCF/ACR/AHA/NASCI/SCMR 2010 Expert Consensus Document on Cardiovascular Magnetic Resonance. A Report of the American College of Cardiology Foundation Task Force on Expert Consensus Documents. *Circulation.* 2010 Jun 8;121(22):2462-508. Epub 2010 May 17.

Hutteman M, Choi HS, Mieog JS, van der Vorst JR, Ashitate Y, Kuppen PJ, van Groningen MC, Löwik CW, Smit VT, van de Velde CJ, **Frangioni JV,** Vahrmeijer AL. Clinical Translation of Ex Vivo Sentinel Lymph Node Mapping for Colorectal Cancer Using Invisible Near-Infrared Fluorescence Light. *Ann Surg Oncol.* 2010 Nov 16.



Hwang SW, Abozed MM, Hale A, **Eisenberg RL**, Dvorak T, Yao K, Pfannl R, Mignano J, Zhu JJ, Price LL, Strauss GM, Wu JK. Adjuvant Gamma Knife radiosurgery following surgical resection of brain metastases: a 9-year retrospective cohort study. J Neurooncol. 2010 May;98(1):77-82. Epub 2009 Nov 12.

Jafri NF, Nadgir R, **Slanetz PJ**. Student-facilitated radiology-pathology correlation conferences: an experiential educational tool to teach multidisciplinary patient care. J Am Coll Radiol. 2010 Jul;7(7):512-6.

Järnum H, Steffensen EG, Knutsson L, Fründ ET, Simonsen CW, Lundbye-Christensen S, Shankaranarayanan A, **Alsop DC**, Jensen FT, Larsson EM. Perfusion MRI of brain tumours: a comparative study of pseudo-continuous arterial spin labelling and dynamic susceptibility contrast imaging. Neuroradiology. 2010 Apr;52(4):307-17. Epub 2009 Oct 20.

Jefferson AL, Himali JJ, Beiser AS, Au R, Massaro JM, Seshadri S, Gona P, Salton CJ, Decarli C, O'Donnell CJ, Benjamin EJ, Wolf PA, **Manning WJ**. Cardiac Index Is Associated With Brain Aging. The Framingham Heart Study. Circulation. 2010 Aug 2. [Epub ahead of print]

Jones RN, Fong TG, Metzger E, Tulebaev S, Yang FM, **Alsop DC**, Marcantonio ER, Cupples LA, Gottlieb G, Inouye SK. Aging, brain disease, and reserve: implications for delirium. Am J Geriatr Psychiatry. 2010 Feb;18(2):117-27.

Kang J, **Litmanovich D**, **Bankier AA**, **Boiselle PM**, **Eisenberg RL**. Manifestations of systemic diseases on thoracic imaging. Curr Probl Diagn Radiol. 2010 Nov-Dec;39(6):247-61.

Kataoka ML, **Hochman MG**, Rodriguez EK, **Lin PJ**, Kubo S, **Raptopolous VD**. A review of factors that affect artifact from metallic hardware on multi-row detector computed tomography. Curr Probl Diagn Radiol. 2010 Jul-Aug;39(4):125-36.

Keeling AN, Morrin MM, McKenzie C, Farrell RJ, Sheth SG, Ngo L, Bloch BN, **Pedrosa I**, **Rofsky NM**. Intravenous, contrast-enhanced MR colonography using air as endoluminal contrast agent: Impact on colorectal polyp detection. Eur J Radiol. 2010 Dec 3.

Kent TS, **Raptopoulos V**, Callery MP, Gautam S, Vollmer CM. Escalating computed tomography angiogram (CTA) grade predicts unresectability and margin status for pancreaticobiliary neoplasms. HPB (Oxford). 2010 Mar;12(2):115-22. **PMCID: PMC2826669**.

Kesavan K, Ratliff J, Johnson E, Dahlberg W, Asara JM, Misra P, **Frangioni JV**, Jacoby DB. Annexin A2 is a molecular target for TM601, a peptide with tumor-targeting and anti-angiogenic effects.J Biol Chem. 2010 Feb 12;285(7):4366-74. Epub 2009 Dec 15.

Khosa F, Otero HJ, Prevedello LM, Rybicki FJ, Di Salvo DN. Imaging presentation of venous thrombosis in patients with cancer. AJR Am J Roentgenol. 2010 Apr;194(4):1099-108. Review

Kircher MF, Hines-Peralta A, **Boiselle PM**, **Donohoe K**, **Siewert B**. Implementation of Screen-Capture Video Recordings of Resident Conferences in an Academic Radiology Department: Pilot Experience. Acad Radiol. 2010 Feb;17(2):255-63. Epub 2009 Nov 14.

Kircher ME, Lee E, Alomari A. MRI Findings of Persistent Sciatic Artery Associated with Pelvic Infantile Hemangioma. Clin Radiol. 2010 Feb;65(2):172-5.

**Kressel HY**. Radiology online: a new look. Radiology. 2010 Jan;254(1):4-6.

**Kressel HY**, Olmsted WW. Conflict of interest disclosure in RSNA journals: adoption of the International Council of Medical Journal Editors Uniform Format. Radiology. 2010 Jul;256(1):4-7.

**Kressel HY**, Olmsted WW. Conflict of interest disclosure in RSNA journals: adoption of the International Council of Medical Journal Editors uniform format. Radiographics. 2010 Jul-Aug;30(4):845-8.

**Kruskal JB**, **Reedy A**. Invited commentary. Radiographics. 2010 May-Jun;30(3):580-2.

Kung JW, Brown A, **Kruskal JB**, Goldsmith JD, **Pedrosa I**. Heterotopic pancreas: typical and atypical imaging findings. Clin Radiol. 2010 May;65(5):403-7. Epub 2010 Mar 11.

Lattanzi R, **Grant AK**, Polimeni JR, Ohliger MA, Wiggins GC, Wald LL, Sodickson DK. Performance evaluation of a 32-element head array with respect to the ultimate intrinsic SNR. NMR Biomed. 2010 Feb;23(2):142-51. **PMCID: PMC2830315**.

Lee BT, Hutteman M, Gioux S, Stockdale A, Lin SJ, Ngo LH, **Frangioni JV**. The FLARE Intraoperative Near-Infrared Fluorescence Imaging System: A First-in-Human Clinical Trial in Perforator Flap Breast Reconstruction. Plast Reconstr Surg. 2010 Nov;126(5):1472-81. **PMCID: PMC2974179**

Lee BT, Matsui A, Hutteman M, Lin SJ, Winer JH, Laurence RG, **Frangioni JV**. Intraoperative near-infrared fluorescence imaging in perforator flap reconstruction: current research and early clinical experience. J Reconstr Microsurg. 2010 Jan;26(1):59-65. Epub 2009 Dec 21.

Lee EY, **Boiselle PM**, Shamberger RC. Multidetector computed tomography and 3-dimensional imaging: preoperative evaluation of thoracic vascular and tracheobronchial anomalies and abnormalities in pediatric patients. J Pediatr Surg. 2010 Apr;45(4):811-21.

Lee EY, Khatwa U, McAdam AJ, Bastos MD, Mahmood SA, Ervoes JP, **Boiselle PM**. Streptococcus milleri Group Pleuropulmonary Infection in Children: Computed Tomographic Findings and Clinical Features. J Comput Assist Tomogr. 2010 November/December;34(6):927-932.

Lee EY, Kritsaneepaiboon S, Arellano CM, Grace RF, Zurakowski D, **Boiselle PM**. Unsuspected pulmonary emboli in pediatric oncology patients: detection with MDCT. AJR Am J Roentgenol. 2010 May;194(5):1216-22.

Lee EY, McAdam AJ, Chaudry G, Fishman MP, Zurakowski D, **Boiselle PM**. Swine-origin influenza a (H1N1) viral infection in children: initial chest radiographic findings. Radiology. 2010 Mar;254(3):934-41. Epub 2009 Dec 23.

Lee EY, Strauss KJ, Tracy DA, Bastos M, Zurakowski D, **Boiselle PM**. Comparison of standard-dose and reduced-dose expiratory MDCT techniques for assessment of tracheomalacia in children. Acad Radiol. 2010 Apr;17(4):504-10.

Lee EY, Tracy DA, Bastos M, Casey AM, Zurakowski D, **Boiselle PM**. Expiratory volumetric MDCT evaluation of air trapping in pediatric patients with and without tracheomalacia. AJR Am J Roentgenol. 2010 May;194(5):1210-5.

Lee EY, Tracy DA, **Eisenberg RL**, Arellano CM, Mahmood SA, Cleveland RH, Zurakowski D, **Boiselle PM**. Screening of Asymptomatic Children for Tuberculosis: Is a Lateral Chest Radiograph Routinely Indicated? Acad Radiol. 2010 Nov 19.

Lee EY, Zurakowski D, **Boiselle PM**. Pulmonary Embolism in Pediatric Patients Survey of CT Pulmonary Angiography Practices and Policies. Acad Radiol. 2010 Dec;17(12):1543-9. Epub 2010 Oct 8.

**Lee KS**, **Boiselle PM**. Update on multidetector computed tomography imaging of the airways. J Thorac Imaging. 2010 May;25(2):112-24.

**Lee KS**, Sekhar A, **Rofsky NM**, **Pedrosa I**. Prevalence of Incidental Pancreatic Cysts in the Adult Population on MR Imaging. Am J Gastroenterol. 2010 Mar 30. [Epub ahead of print]

**Lee KS**, Zeikus E, DeWolf WC, **Rofsky NM**, **Pedrosa I**. MR urography versus retrograde pyelography/ureteroscopy for the exclusion of upper urinary tract malignancy. Clin Radiol. 2010 Mar;65(3):185-92. Epub 2009 Dec 14.

**Levine D**. How to Obtain Images from Picture Archiving and Communication Systems and Ready Them for Publication. Radiology. 2010 Oct 8. [Epub ahead of print]

**Levine D**, Brown DL, Andreotti RF, Benacerraf B, Benson CB, Brewster WR, Coleman B, Depriest P, Doubilet PM, Goldstein SR, Hamper UM, Hecht JL, Horrow M, Hur HC, Marnach M, Patel MD, Platt LD, Puscheck E, Smith-Bindman R. Management of Asymptomatic Ovarian and Other Adnexal Cysts Imaged at US: Society of Radiologists in Ultrasound Consensus Conference Statement. Radiology. 2010 May 26. [Epub ahead of print]

**Levine D**, Brown DL, Andreotti RF, Benacerraf B, Benson CB, Brewster WR, Coleman B, DePriest P, Doubilet PM, Goldstein SR, Hamper UM, Hecht JL, Horrow M, Hur HC, Marnach M, Patel MD, Platt LD, Puscheck E, Smith-Bindman R. Management of asymptomatic ovarian and other adnexal cysts imaged at US: Society of Radiologists in Ultrasound consensus conference statement. Ultrasound Q. 2010 Sep;26(3):121-31.

Lewis AD, **Levine D**. Pregnancy complications in women with uterine duplication abnormalities. Ultrasound Q. 2010 Dec;26(4):193-200.

Lewis EI, Ozonoff A, Nguyen CP, Kim M, **Slanetz PJ**. Breast Cancer Close to the Nipple: Does This Increase the Risk of Nodal Metastasis at Diagnosis? Can Assoc Radiol J. 2010 May 26. [Epub ahead of print]

Li W, Scheidegger R, Wu Y, Edelman RR, Farley M, Krishnan N, **Burstein D**, Prasad PV. Delayed contrast-enhanced MRI of cartilage: Comparison of nonionic and ionic contrast agents. Magn Reson Med. 2010 Jul 20.

Li Y, Sansgiri RK, Estroff JA, **Mehta TS**, Poussaint TY, Robertson RL, Robson CD, Feldman HA, Barnewolt C, **Levine D**. Outcome of fetuses with cerebral ventriculomegaly and septum pellucidum leaflet abnormalities. AJR Am J Roentgenol. 2011 Jan;196(1):W83-92.

**Lin PJ**, Herrnsdorf L. Pseudohelical scan for the dose profile measurements of 160-mm-wide cone-beam MDCT. AJR Am J Roentgenol. 2010 Apr;194(4):897-902.

**Lin PP**, Kubo T, **Krishnapillai R**. Extraction of tube current values from DICOM CT images for patient dose estimation. Med Phys. 2010 June; 37(6): 2951-2955.

**Lin PP**, Watanabe M. Technical Advances of Fluoroscopic Imaging Chain; A Review of Technical Innovations and Radiation Saving Devices. US Radiology, Vol. 2, Issue 1, pp 77~82, April, 2010.

Lindenberg R, Renga V, Zhu LL, Betzler F, **Alsop D**, Schlaug G. Structural integrity of corticospinal motor fibers predicts motor impairment in chronic stroke. Neurology. 2010 Jan 26;74(4):280-7.

**Litmanovich D**, O'Donnell CR, **Bankier AA**, Ernst A, Millett ME, Loring SH, **Boiselle PM**. Bronchial Collapsibility at Forced Expiration in Healthy Volunteers: Assessment with Multidetector CT. Radiology. 2010 Sep 9. [Epub ahead of print]

Liu F, Misra P, Lunsford EP, Vannah JT, Liu Y, **Lenkinski RE**, **Frangioni JV**. A dose- and time-controllable syngeneic animal model of breast cancer microcalcification. Breast Cancer Res Treat. 2010 Jul;122(1):87-94.

Long SS, **Yablon CM**, **Eisenberg RL**. Bone marrow signal alteration in the spine and sacrum. AJR Am J Roentgenol. 2010 Sep;195(3):W178-200.

Ma Y, Huang C, Dyke JP, Pan H, **Alsop D**, Feigin A, Eidelberg D. Parkinson's disease spatial covariance pattern: noninvasive quantification with perfusion MRI. J Cereb Blood Flow Metab. 2010 Jan 6.

**Madhuranthakam AJ**, Yu H, Shimakawa A, Busse RF, **Smith MP**, Reeder SB, **Rofsky NM**, Brittain JH, McKenzie CA. T(2)-weighted 3D fast spin echo imaging with water-fat separation in a single acquisition. J Magn Reson Imaging. 2010 Sep;32(3):745-51.

Maleki N, **Dai W**, **Alsop DC**. Blood flow quantification of the human retina with MRI. NMR Biomed. 2010 Sep 22. [Epub ahead of print]

Manor B, Hu K, Zhao P, Selim M, **Alsop D**, Novak P, Lipsitz L, Novak V. Altered control of postural sway following cerebral infarction: a cross-sectional analysis. Neurology. 2010 Feb 9;74(6):458-64.

**Matsui A**, Lee BT, Winer JH, Laurence RG, **Frangioni JV**. Predictive capability of near-infrared fluorescence angiography in submental perforator flap survival. Plast Reconstr Surg. 2010 Nov;126(5):1518-27. PMID: PMC2974176

**Matsui A**, Tanaka E, Choi HS, Kianzad V, Gioux S, Lomnes SJ, **Frangioni JV**. Real-time, near-infrared, fluorescence-guided identification of the ureters using methylene blue. Surgery. 2010 Jan 29. [Epub ahead of print]

**Matsui A**, Tanaka E, Choi HS, Winer JH, Kianzad V, Gioux S, Laurence RG, **Frangioni JV**. Real-time intra-operative near-infrared fluorescence identification of the extrahepatic bile ducts using clinically available contrast agents. Surgery. 2010 Jan 29. [Epub ahead of print]

Mazhar A, Cuccia DJ, Gioux S, Durkin AJ, **Frangioni JV**, Tromberg BJ. Structured illumination enhances resolution and contrast in thick tissue fluorescence imaging. J Biomed Opt. 2010 Jan-Feb;15(1):010506.

**McMahon CJ**, Crowley V, McCarroll N, Dunne R, Keogan MT. Elevated tumour marker: an indication for imaging? Ann Clin Biochem. 2010 May 28. [Epub ahead of print]

**McMahon CJ**, Hennessy M, Boyle G, Feely J, Meaney JF. Prevalence of renal artery stenosis in flash pulmonary oedema: determination using gadolinium-enhanced MRA. Eur J Intern Med. 2010 Oct;21(5):424-8. Epub 2010 May 18.

**McMahon CJ**, **Rofsky NM**, **Pedrosa I**. Lymphatic metastases from pelvic tumors: anatomic classification, characterization, and staging. Radiology. 2010 Jan;254(1):31-46.

**McMahon CJ**, Vollmer CM Jr, Goldsmith J, Brown A, Pleskow D, **Pedrosa I**. An unusual variant of anomalous pancreaticobiliary junction in a patient with pancreas divisum diagnosed with secretin-magnetic resonance cholangiopancreatography. Pancreas. 2010 Jan;39(1):101-4.

**McMahon CJ**, **Wu JS**, **Eisenberg RL**. Muscle edema. AJR Am J Roentgenol. 2010 Apr;194(4):W284-92.

**Melenevsky Y**, **Yablon CM**, Ramappa A, **Hochman MG**. Clavicle and acromioclavicular joint injuries: a review of imaging, treatment, and complications. Skeletal Radiol. 2010 Jun 6. [Epub ahead of print]

Meng J, Peters DC, Hsing JM, Chuang ML, Chan J, Fish A, Josephson ME, **Manning WJ**. Late Gadolinium Enhancement of the Esophagus is Common on Cardiac MR Several Months after Pulmonary Vein Isolation: Preliminary Observations. Pacing Clin Electrophysiol. 2010 Jan 4.

**Mendiratta-Lala M**, **Brennan DD**, **Brook OR**, **Faintuch S**, Mowschenson PM, **Sheiman RG**, **Goldberg SN**. Efficacy of Radiofrequency Ablation in the Treatment of Small Functional Adrenal Neoplasms. Radiology. 2010 Oct 27. [Epub ahead of print]

**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 Jul-Aug;30(4):1107-22.

**Mullan CP**, **Siewert B**, **Kane RA**, **Sheiman RG**. Can Doppler sonography discern between hemodynamically significant and insignificant portal vein stenosis after adult liver transplantation? AJR Am J Roentgenol. 2010 Dec;195(6):1438-43.

Nadgir R, **Slanetz PJ**. Integrating evidence-based imaging into the radiology core clerkship: a proposed teaching tool of imaging strategies. J Am Coll Radiol. 2010 Jul;7(7):517-21.

Nasir K, Gopal A, Blankstein R, Ahmadi N, Pal R, **Khosa F**, Shaw LJ, Blumenthal RS, Budoff MJ. Noninvasive assessment of gender differences in coronary plaque composition with multidetector computed tomographic angiography. Am J Cardiol. 2010 Feb 15;105(4):453-8. Epub 2010 Jan 5

**Nikolic B**, **Khosa F**, **Lin PJ**, **Khan AN**, **Sarwar S**, **Yam CS**, Court LE, **Raptopoulos V**, **Clouse ME**. Absorbed Radiation Dose in Radiosensitive Organs During Coronary CT Angiography Using 320-MDCT: Effect of Maximum Tube Voltage and Heart Rate Variations. AJR Am J Roentgenol. 2010 Dec;195(6):1347-54.

Nishino M, **Lee KS**, Hatabu H. The spectrum of pulmonary sarcoidosis: Variations of high-resolution CT findings and clues for specific diagnosis. Eur J Radiol. 2010 Jan;73(1):66-73. Epub 2009 Feb 5. Review.

Nour SG, **Goldberg SN**, Wacker FK, Rafie S, Paul S, Heidenreich JO, Rodgers M, Abdul-Karim FW, Duerk JL, Lewin JS. MR monitoring of NaCl-enhanced radiofrequency ablations: observations on low- and high-field-strength MR images with pathologic correlation. Radiology. 2010 Feb;254(2):449-59. Epub 2010 Jan 20.

O'Donnell CR, **Bankier AA**, Stiebellehner L, Reilly JJ, Brown R, Loring SH. Comparison of Plethysmographic and Helium Dilution Lung Volumes: Which is Best in COPD? Chest. 2010 May;137(5):1108-15.

O'Gorman RL, Siddiqui A, **Alsop DC**, Jarosz JM. Perfusion MRI demonstrates crossed-cerebellar diaschisis in sickle cell disease. Pediatr Neurol. 2010 Jun;42(6):437-40.

Olivotto I, Maron BJ, Appelbaum E, Harrigan CJ, Salton C, Gibson CM, Udelson JE, O'Donnell C, Lesser JR, **Manning WJ**, Maron MS. Spectrum and Clinical Significance of Systolic Function and Myocardial Fibrosis Assessed by Cardiovascular Magnetic Resonance in Hypertrophic Cardiomyopathy. Am J Cardiol. 2010 Jul 15;106(2):261-267.

Orcutt KD, Ackerman ME, Cieslewicz M, Quiroz E, Slusarczyk AL, **Frangioni JV**, Wittrup KD. A modular IgG-scFv bispecific antibody topology. Protein Eng Des Sel. 2010 Apr;23(4):221-8. Epub 2009 Dec 17.

Orcutt KD, Nasr KA, Whitehead DG, **Frangioni JV**, Wittrup KD. Biodistribution and Clearance of Small Molecule Hapten Chelates for Pretargeted Radioimmunotherapy. Mol Imaging Biol. 2010 Jun 9.

**Parker MW**, **Mittleman MA**, **Waksmonski CA**, **Sanders G**, **Riley MF**, **Douglas PS**, **Manning WJ**. Pulmonary hypertension and long-term mortality in aortic and mitral regurgitation. Am J Med. 2010 Nov;123(11):1043-8.

**Pedrosa I**, **Boparai D**. Imaging considerations in intraductal papillary mucinous neoplasms of the pancreas. World J Gastrointest Surg. 2010 Oct 27;2(10):324-30. PMID: PMC2999202.

Pfefferbaum A, Chanraud S, Pitel AL, Müller-Oehring E, Shankaranarayanan A, **Alsop DC**, Rohlfing T, Sullivan EV. Cerebral Blood Flow in Posterior Cortical Nodes of the Default Mode Network Decreases with Task Engagement but Remains Higher than in Most Brain Regions. Cereb Cortex. 2010 May 19. [Epub ahead of print]

Pfefferbaum A, Chanraud S, Pitel AL, Shankaranarayanan A, **Alsop DC**, Rohlfing T, Sullivan EV. Volumetric cerebral perfusion imaging in healthy adults: Regional distribution, laterality, and repeatability of pulsed continuous arterial spin labeling (PCASL). Psychiatry Res. 2010 May 18.

**Powell ME**, **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.

Pride YB, Giuseffi JL, Mohanavelu S, Harrigan CJ, **Manning WJ**, Gibson CM, Appelbaum E. Relation between infarct size in ST-segment elevation myocardial infarction treated successfully by percutaneous coronary intervention and left ventricular ejection fraction three months after the infarct. Am J Cardiol. 2010 Sep 1;106(5):635-40.

**Rana RS**, **Moonis G**. Head and neck infection and inflammation. Radiol Clin North Am. 2011 Jan;49(1):165-82.



Ravenel JG, Mohammed TL, Movsas B, Ginsburg ME, Kirsch J, Kong FM, **Parker JA**, Reddy GP, Rosenzweig KE, Saleh AG. ACR Appropriateness Criteria® Noninvasive Clinical Staging of Bronchogenic Carcinoma. J Thorac Imaging. 2010 Nov;25(4):W107-W111.

Rhymer SM, **Parker JA, Palmer MR**. Detection of 90Y Extravasation by Bremsstrahlung Imaging for Patients Undergoing 90Y-Ibritumomab Tiuxetan Therapy. J Nucl Med Technol. 2010 Dec;38(4):195-8.

Robich MP, Chu LM, Chaudray M, Nezafat R, Han Y, Clements RT, Laham RJ, **Manning WJ**, Coady MA, Sellke FW. Anti-angiogenic effect of high-dose resveratrol in a swine model of metabolic syndrome. Surgery. 2010 Jun 4.

Roberts-Klein S, **Iuanow E, Slanetz PJ**. Avoiding Pitfalls in Mammographic Interpretation. Can Assoc Radiol J. 2010 Sep 9. [Epub ahead of print]

**Robson PM**, Dai W, Shankaranarayanan A, **Rofsky NM, Alsop DC**. Time-resolved vessel-selective digital subtraction MR angiography of the cerebral vasculature with arterial spin labeling. Radiology. 2010 Nov;257(2):507-15.

Santelli C, Nezafat R, Goddu B, **Manning WJ**, Smink J, Kozerke S, Peters DC. Respiratory bellows revisited for motion compensation: Preliminary experience for cardiovascular MR. Magn Reson Med. 2010 Nov 3. [Epub ahead of print]

Schulz MD, Khullar O, **Frangioni JV**, Grinstaff MW, Colson YL. Nanotechnology in thoracic surgery. Ann Thorac Surg. 2010 Jun;89(6):S2188-90.

Sena BF, Stern JP, Pandharipande PV, **Klemm B**, Bulman J, **Pedrosa I, Rofsky NM**. Screening patients to assess renal function before administering gadolinium chelates: assessment of the choyke questionnaire. AJR Am J Roentgenol. 2010 Aug;195(2):424-8.

**Siegal DS, Levine D, Siewert B**, Lagrotteria D, Affeln D, Dennerlein J, **Boiselle PM**. Repetitive stress symptoms among radiology technologists: prevalence and major causative factors. J Am Coll Radiol. 2010 Dec;7(12):956-60.

**Siewert B, Kruskal JB, Eisenberg R, Hall F, Sosna J**. Quality Improvement Grand Rounds at Beth Israel Deaconess Medical Center: CT Colonography Performance Review after an Adverse Event. Radiographics. 2010 Jan-Feb;30(1):23-31. Epub 2009 Nov 9.

**Slanetz PJ**, Wu SP, Mendel JB. Percutaneous Excision: A Viable Alternative to Manage Benign Breast Lesions. Can Assoc Radiol J. 2010 Jul 7. [Epub ahead of print]

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 Nitrative Stress and Accelerating Apoptotic Pathways. Radiology. 2010 Feb 16.

Stoeck CT, Hu P, Peters DC, Kissinger KV, Goddu B, Goepfert L, Ngo L, **Manning WJ**, Kozerke S, Nezafat R. Optimization of on-resonant magnetization transfer contrast in coronary vein MRI. Magn Reson Med. 2010 Oct 11. [Epub ahead of print]

Sun X, **Bhadelia R**, Liebson E, Bergethon P, Folstein M, Zhu JJ, Mwamburi DM, Patz S, Qiu WQ. The relationship between plasma amyloid-β peptides and the medial temporal lobe in the homebound elderly. Int J Geriatr Psychiatry. 2010 Dec 9.

**Sun MR**, Brennan DD, **Kruskal JB, Kane RA**. Intraoperative ultrasonography of the pancreas. Radiographics. 2010 Nov;30(7):1935-53.

Taclas JE, Nezafat R, Wylie JV, Josephson ME, Hsing J, **Manning WJ**, Peters DC. Relationship between intended sites of RF ablation and post-procedural scar in AF patients, using late gadolinium enhancement cardiovascular magnetic resonance. Heart Rhythm. 2010 Apr;7(4):489-96. Epub 2009 Dec 13. **PMCID: PMC2843771**.

Thornton E, Brook OR, Mendiratta-Lala M, **Hallett DT, Kruskal JB**. Application of Failure Mode and Effect Analysis in a Radiology Department. Radiographics. 2010 Oct 27. [Epub ahead of print]

Tsukada H, Ernst A, Gangadharan S, Ashiku S, Garland R, **Litmanovich D**, DeCamp M. Tracheal replacement with a silicone-stented, fresh aortic allograft in sheep. Ann Thorac Surg. 2010 Jan;89(1):253-8.

Velagaleti RS, Gona P, Chuang ML, Salton CJ, Fox CS, Blease SJ, Yeon SB, **Manning WJ**, O'Donnell CJ. Relations of Insulin Resistance and Glycemic Abnormalities to Cardiovascular Magnetic Resonance Measures of Cardiac Structure and Function: the Framingham Heart Study. Circ Cardiovasc Imaging. 2010 Mar 5.[Epub ahead of print]

Winer JH, Choi HS, Gibbs-Strauss SL, Ashitate Y, Colson YL, **Frangioni JV**. Intraoperative Localization of Insulinoma and Normal Pancreas Using Invisible Near-Infrared Fluorescent Light. Ann Surg Oncol. 2010 Apr;17(4):1094-100. Epub 2009 Dec 22.

**Wu JS, Buettner C, Smithline H, Ngo LH, Greenman RL**. Evaluation of skeletal muscle during calf exercise by 31-phosphorus magnetic resonance spectroscopy in patients on statin medications. Muscle Nerve. 2011 Jan;43(1):76-81.

**Wu JS**, Darras BT, Rutkove SB. Assessing spinal muscular atrophy with quantitative ultrasound. Neurology. 2010 Aug 10;75(6):526-31. **PMCID: PMC2918474**.

**Wu JS, Siewert B, Boiselle PM**. Resident Evaluation and Remediation: A Comprehensive Approach. J Graduate Medical Education. 2010 June; 2(2): 242-245.

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.

Xu G, Rowley HA, Wu G, **Alsop DC**, Shankaranarayanan A, Dowling M, Christian BT, Oakes TR, Johnson SC. Reliability and precision of pseudo-continuous arterial spin labeling perfusion MRI on 3.0 T and comparison with (15)O-water PET in elderly subjects at risk for Alzheimer’s disease. NMR Biomed. 2010 Apr;23(3):286-93. [Epub 2009 Dec 1]

**Yablon CM**, Duggal N, **Wu JS, Shetty SK**, Dawson F, **Hochman MG**. A Review of Charcot Neuroarthropathy of the Midfoot and Hindfoot: What Every Radiologist Needs to Know. Curr Probl Diagn Radiol. 2010 September - October;39(5):187-199.

Yang W, **Ahmed M**, Elian M, Hady ES, Levchenko TS, Sawant RR, Signoretti S, Collins M, Torchilin VP, **Goldberg SN**. Do Liposomal Apoptotic Enhancers Increase Tumor Coagulation and End-Point Survival in Percutaneous Radiofrequency Ablation of Tumors in a Rat Tumor Model? Radiology. 2010 Dec;257(3):685-696. Epub 2010 Sep 21.

Zamboni GA, **Romero JY, Raptopoulos VD**. Combined vascular-excretory phase MDCT angiography in the preoperative evaluation of renal donors. AJR Am J Roentgenol. 2010 Jan;194(1):145-50.

Zamboni GA, **Raptopoulos V**. CT enterography. Gastrointest Endosc Clin N Am. 2010 Apr;20(2):347-66.

Zhu X, **Palmer MR**, Makrigiorgos GM, Kassis AI. Solid-tumor radionuclide therapy dosimetry: new paradigms in view of tumor microenvironment and angiogenesis. Med Phys. 2010 Jun;37(6):2974-84. **PMCID: PMC2892529**.

Zubris KA, Khullar OV, Grisct AP, Gibbs-Strauss S, **Frangioni JV**, Colson YL, Grinstaff MW. Ease of Synthesis, Controllable Sizes, and In Vivo Large-Animal-Lymph Migration of Polymeric Nanoparticles. ChemMedChem. 2010 Jun 30. [Epub ahead of print]

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