

Radical Views... from the Department of Radiology

Volume 6, Number 4

Nov 2013



Beth Israel Deaconess
Medical Center



A teaching hospital of
Harvard Medical School



FROM THE CHIEF

Jonathan B. Kruskal, MD PhD

Congratulations Sven Paulin and thank you for 40+ years of dedicated service!

Following the presentation of the 7th Annual Sven Paulin Lecture by Dr. David Bluemke, we also gathered in Shapiro 10 to bid farewell to Dr. Paulin, who, after more than 40 years at Beth Israel/Beth Israel Deaconess Hospital, has finally decided to retire. Joining the large crowd of department members, was a distinguished panel of Sven fans and colleagues. We wish Sven the best but to ensure that he will not be a stranger here, we made sure that his license to teach will never expire! (See right)



Above left: David Bluemke delivers the 7th Annual Sven Paulin Lecture: Cardiovascular MR/CT: From Patients to Populations.

Above right: The Sven Paulin Lecture organizers with David Bluemke: Alexander Bankier, Diana Litmanvich, Jonny Kruskal, Sven Paulin and Warren Manning, Section Chief of Noninvasive Cardiac Imaging

Left: Mr. and Mrs. Paulin enjoying Dr. Bluemke's presentation with Richard Verrier, Director of the Institute for Prevention of Cardiovascular Disease



Above: The Department was pleased to present Sven with a commemorative book filled with our best wishes for a happy retirement!

DEPARTMENTAL News (cont'd)



Old friends Mrs. Rabkin, Mrs. Paulin, Sven Paulin and Mitchell Rabkin!



Sven Paulin (center) is pleased to sit with his friends and colleagues John E. Markis (Director of the Electrocardiography Laboratory), Stafford Cohen, Julian Aroesty, and Lester A. Steinberg.



Congratulations on your retirement and many thanks from your friends and colleagues at BIDMC, Radiology, and beyond . . .



Herbert Kressel & Sven



Ferris Hall & Sven



Vassilios Raptopoulos & Sven

Ferris's notes to Sven at his 'retirement' party at the Harvard Club, May 1993:

- When Sven came to BIH the Dept was on the verge of a deep abyss: he immediately took a bold step forward.
- I think Sven didn't know what happiness was until he became chief: then it was too late.
- Sven learned to give advice to his staff like a mother-in-law to her children: only when it was needed.
- I sometimes wonder what Sven thinks of this staff who stuck with him through all the problems that he'd never have had if he hadn't hired us in the 1st place.
- Being chief reminds me of the marriage of a blind wife & a deaf husband: Perhaps the ideal department has a blind chief & deaf faculty.
- Being chief is like a hot bath: once you are in it for a while it's not so hot.
- Sven has been a model chief: dictionary definition of model is "a small replica of the real thing"



Sven:
 You taught me at PBBH in 1970
 You brought me to BIH in 1971
 You mentored me to a professorship - mostly based on letters to the editor!
 You have been the dearest of friends
 Love,
 Ferris



Ferris Hall's page from the Sven Paulin commemorative book

Radiology Calendar November 2013

Mon	Tues	Wed	Thurs	Fri
Weekly Mon Section Meetings: 3:00-4:00 ED section meeting (monthly) [ED annex, WCC]		Weekly Wed Section Meetings: 11:00-12:00 MSK clinical conf 12:00-1:00 CardioThoracic, GI/GU Oncology 3:00-4:00 Mammo [TCC-484]	Weekly Thurs Section Meetings: 12:00 - 1:30 Abd [WCC-354] 12:00-1:00 MSK	1 12:00-1:00 Grand Rounds: QA: Through the Eyes of Others, Radiology in the Setting of Hospital QA (Bettina Siewert) [Sherman Auditorium]
4 7:30 - 9:00 MSK(TBD)	5 7:30 - 9:00 MSK(TBD)	6 7:30 - 9:00 MSK (TBD) 5:00-6:00 MRI Physics Course [Ansin 220]	7 7:30 - 9:00 MSK (TBD)	8 7:30 - 9:00 Interesting Cases (Chief Residents) 12:00-1:00 Grand Rounds: RSNA Talks
11 7:30 - 8:15 Large Airways (Phillip Boiselle) 8:15-9:00 Small Airways (Phillip Boiselle) 10:30-11:30 MRI meeting [Ansin-2]	12 7:30 - 8:15 Management of pulmonary nodules (Alexander Bankier) 8:15 - 9:00 Chest - case conference (Alexander Bankier) 10:30-11:30 NMMI meeting [GZ-103]	13 7:30 - 9:00 Physics (Matthew Palmer) [Image quality and dose in radiography] 7:15 - 8:00 US meeting (WCC-304A Gallery) 5:00-6:00 MRI Physics Course [Ansin 220]	14 7:30 - 8:15 Tumors & tumor-like conditions -2 (Rafael Rojas) 8:15 - 9:00 Neuro - Case Conference (Fellow)	15 12:00-1:00 No Grand Rounds: NERRS
18 7:30 - 8:15 MRI of the uterus (Karen Lee) 8:15-9:00 MRI of the uterus - cases (Karen Lee)	19 7:30 - 8:15 Gynecologic ultrasound (Colin Mcardle) [Case Conference] 8:15 - 9:00 Urethra - benign and malignant entities (Darren Brennan) 8:00-9:00 IR Meeting [West Recovery]	20 7:30 - 8:15 Routine OB Ultrasound (Deborah Levine) 8:15 - 9:00 Case conference (Maryellen Sun) 5:00-6:00 MRI Physics Course [Ansin 220]	21 7:30 - 8:15 Sonohysterography and Hysterosalpingography (Janneth Romero) 8:15 - 9:00 Case conference (Robert Sheiman)	22 12:00-1:00 Grand Rounds: RSNA Talks
25 7:30 - 8:15 US guided procedures (Maryellen Sun) 7:30 - 8:15 Nucs/NMMI (TBD)	26 7:30 - 8:15 Thyroid and Parathyroid (Colin Mcardle) 7:30 - 8:15 Nucs/NMMI (TBD) 10:30-11:30 NMMI meeting [GZ-103]	27 7:30 - 9:00 Physics (Matthew Palmer) [Image quality and dose in Mammography]	28 No Conference Thanksgiving! 	29 12:00-1:00 No Grand Rounds: Thanksgiving Week

Save the Date: Mentoring meetings through December 2013 All meetings will be held at noon in Shapiro 484

4 - Nov	CV workshop: how to best show the work you have done, and ideas for how to expand your academic career – Deborah Levine	Please note that the mentoring meeting of Nov 4 has been cancelled
9 - Dec	What the radiologist needs to know about malpractice, Part II – Ronald Eisenberg	

*Consult the webpage for the most up-to-date schedule:

<http://home.caregroup.org/departments/radiology/residency/scheduling/conferences/displayMonthNew.asp>

Calendar of Events for Imaging Month NOVEMBER 2013

Monday	Tuesday	Wednesday	Thursday	Friday
				1
4	5 5:00 - 7:30 pm <i>"Image Gently, but Image Wisely"</i> - Kevn Donohoe Shapiro 10/Sherman Auditorium	6 12:00 - 1:00 pm <i>"They're On Our Team: Engaging Patients & Family Members"</i> - Elana Premack Sandler Shapiro 1A/B	7 12:00 - 1:00 pm <i>"Working with Interpreters- An introduction to and overview of diverse patient populations"</i> - Shari Gold-Gomes - Jane Kontrimas Shapiro 1A	8 12:00 - 1:00 pm <i>"The NICU environment and how precarious the neonatal environment can be"</i> - Susan Young Shapiro 1A/B
11 12:00 - 1:00 pm <i>"Update on Hepatic MRI"</i> - Koenraad Morteles Shapiro 1A/B	12 12:00 - 1:00 pm <i>"Caring for Patients from Different Cultures"</i> - Jeff Bernard Shapiro 1A/B	13 5:30 - 10:00 pm Tech Appreciation Dinner <i>"Understanding the Nine Types of Personality"</i> - Michael Naylor, M.Ed. The Harvard Club	14 12:00 - 1:00 pm <i>"Communication skills and providing peers with feedback"</i> - Lisa Leidig Shapiro 1A/B	15
18	19	20	21	22
25	26 12:00 - 1:00 pm <i>"Multi-Modality Small Bowel Imaging"</i> - Marti Smith Shapiro 1B	In addition to Radiology faculty Kevin Donohoe, Koenraad Morteles, & Marti Smith , Imaging Month speakers include: Michael Naylor, M.Ed. , Director of the Enneagram Institute of Maine/Enneagram Center for Transformation & Change Jeff Bernard , Manager, Community Radiology Network Services, BIDMC Shari Gold-Gomez , Director of Interpreter Services, BIDMC Jane Kontrimas , Russian Interpreter, BIDMC Interpreter Training Center Elana Premack Sandler, LCSW, MPH , Project Leader - Patient & Family Engagement, BIDMC Susan Young RNC-NIC , Clinical Nurse Specialist, NICU, BIDMC		

BIDMC Imaging Technologists: Positioned for Excellence

November is Imaging Month

2013 Deborah J. Walsh Award

We salute the nominees for the Deborah J. Walsh Award who epitomize the commitment to quality care held by our BIDMC imaging technologists.

The 2013 nominees are:

Nora Call, BS, RDMS, RT



"Nora stands out as a co-worker who exemplifies all of the positive characteristics of an exceptional employee, co-worker and caregiver. She consistently goes above and beyond in demonstrating both quality and passion for her work. Nora is unfailingly energetic and compassionate, making her a pleasure to work with! Thank you for considering her for this award!"

Michelle Short, RT (R)



"Michelle takes the greatest pride in her work, striving to obtain the best images and to complete procedures with compassion. It is obvious from how she works throughout the day that she knows working with patients, helping with their diagnoses, and troubleshooting the challenges that each individual situation can present."

Deborah J. Walsh, R.T. (R) (CV) (M) (CT)

served as a Clinical Instructor for our student programs in radiology and as a MRI technologist until her death in December 2002. Debbie was a caring, compassionate and enthusiastic Radiographer devoted to the teaching aspects of academic radiology. The BIDMC Radiology Department has chosen the **Deborah J. Walsh Award** as a way to remember Debbie by recognizing an Imaging Technologist in the radiologic sciences who has demonstrated professionalism, mentoring, compassion, and a commitment to quality patient care. The Deborah J. Walsh Award is presented annually to an Imaging Technologist in Radiology at BIDMC who demonstrates these qualities.

We feel Debbie acted as an advocate for the profession and she would be proud to acknowledge a fellow imaging professional with this award in her memory.

Dan Bradley, RT (R)



"I have personally worked with Dan for many years now and admire his strong personality in the field of radiology and his vast knowledge of the radiologic sciences. Not to mention the compassionate understanding and empathy he has when dealing with the process that he personally enacts each day with Dan has a strong technical base to help others understand all areas of diagnostic radiology, yet has the softer down-to-earth side of attitude to help comfort patients and to explain procedures to them in a caring manner."



**BIDMC Imaging Technologists 2013:
Positioned for Excellence**

At BIDMC, we dedicate the entire month of November to honor the valuable work of all of our Imaging Technologists and the highly technical images that they create. Our technologists provide services throughout the medical center as well as at BIDMC locations at Needham, Lexington, Chelsea, Beacon Street and Chestnut Hill. The technologists play an integral role in the medical process and together, like a puzzle, we create the whole picture.

- Betsy Grady
Manager, Diagnostic Radiology

[Due to space issues, we can't show the marvelous puzzle pieces and Walsh Award nominees featured in our annual Imaging Month posters. Please view them on the East and West Campus cafeterias and also at our BIDMC affiliates!]

DEPARTMENTAL Grand Rounds



Friday, November 1, 2013
12 noon - 1:00 PM • Sherman Auditorium

Through the Eyes of Others, Radiology in the Setting of Hospital QA

Bettina Siewert, MD - Vice Chair for Quality, Safety & Performance Improvement, Chief of Abdominal Imaging, Department of Radiology, Beth Israel Deaconess Medical Center • Associate Professor of Radiology, Harvard Medical School

While we know Dr. Siewert mostly in her role as Chief of Abdominal Imaging, she is also vice chair for quality, safety and performance improvement and beginning in April she was named a 2013-2015 ARRS/Leonard Berlin Scholar in Medical Professionalism for which she is embarking on a 2-year program encompassing medical ethics, medico-legal principles, patient accountability, sensitivity to patient diversity and/or other topics encompassing medical professionalism. Clearly this grand rounds talk is a step in the right direction of improving the training in quality assurance.

The remaining Grand Rounds in November (Nov 8, 22) will be devoted to RSNA talks

DEPARTMENTAL News (cont'd)



Congratulations Bessie Owens

I am pleased to announce that we have hired a new Image Archive Supervisor. Bessie Owens will be starting with the Image Archive department on the week of November 10, 2013. Bessie is no stranger to BIDMC, as she has been working in the Radiology Department since 2003. Most recently, she held the position of Lead Radiology Referral Specialist. Please take the opportunity to congratulate Bessie if you should run into her in the hallways. I am looking forward to having her join our team.

Thank you,
- Jim

Jim Brophy
Radiology PACS/Informatics Manager



Welcome Megan Garber!

Megan is joining us as an Admin for Medical Education. Her primary focus will be coordinating and supporting the HMS Student Clerkships and medical student programs, while also working on a variety of other projects involving the education of our residents, fellows and medical students. Prior to joining the BIDMC team, Megan spent three and a half years at the University of California – Los Angeles in Clinical Neurophysiology, assisting the department's chief and coordinating their fellowship program. Currently, she is also in a bridge program at Northeastern University working towards a Master's of Science in Nursing. Megan can be reached at 4-2520.



Good-bye & best wishes Keegan Scott

It is with very mixed emotions that I wanted to announce the departure of Keegan Scott from the Radiology Department. Keegan began his career here in Radiology in August of 2008 as an Image Archive Assistant. In September of 2009, he was promoted to the position of Image Archive Supervisor. All the while, he had been attending college to finish his engineering degree, which he completed this year. Keegan's professional attitude and appearance and his calm, respectful demeanor is evident to all with whom he comes in contact with. His problem solving skills have been extraordinary, and he has been a valued member of our team. I am very happy that Keegan will be moving into another position within the Medical Center (in the IS Department). So for those of us that thought of him as a good friend as well as a good colleague, we may very well continue to run into him around campus! His last day in Radiology will be October 18, 2013.

When you see Keegan in the hallways, please wish him the very best of luck!

- Jim

Jim Brophy
Radiology PACS/Informatics Manager

In case you missed an issue!

All back issues of Radical Views are available on the portal under "News and Events": <https://apps.bidmc.org/departments/radiology/news/news.asp> and **we also have an outside link on the alumni site:** <http://radnet.bidmc.harvard.edu/education/newsletters.asp>

DEPARTMENTAL News (cont'd)

- **Voice Recognition Update:** We are moving ahead with the implementation of **Fluency For Imaging (FFI)** – a voice recognition and workflow product. Regular updates will be included in Radical Views to keep staff up to date on our progress.

We're currently in the early stages of the system implementation, which means plenty of analysis and decisions on how the system will operate to be most effective for the department. The FFI solution is very flexible and allows for templates and macros to be customized for the entire department or the individual. The implementation team is currently working with all sections to decide what the structure of each report will look like and will provide a set of templates and macros that will be available for each section as soon as the system goes live.

To facilitate this process, each radiology section has nominated a champion who will provide the input for their area. They will be working with their section to make decisions and provide feedback during the early stages of testing to be certain the system is working as they expect.

We're still in early stages of implementation, but the goal is to have the system ready for the Champions to test by early December, with a go live date starting in late January or February. The rollout, including training, will occur by section, so the timing for each area will be different.

Please contact **Ken Davis** at kdavis@sysev.com with any questions regarding FFI or if you would like a demonstration.



Launch Selected	Patient	Exam	Accession	RIS Status	Job State	Dictating Author	Signing Author
	MR - GENERAL, EXAMPLES E5555	MR BRAIN W MR - HEAD	114 10/1/2012 5:39 PM	Available/Completed	10/9/2012 11:24 AM Draft	0, PITestRad	0, PITestRad
	BROWN, DEJA A 36513154	USKID Unknown - Unknown	24402366 10/1/2012 5:39 PM	Available/Completed	10/8/2012 3:34 PM Draft	0, PITestRad	0, PITestRad
	SMITH, RAYMOND, 51115599	FINGER R Unknown - Unknown	25848295 10/1/2012 5:39 PM	Available/Completed	10/8/2012 3:33 PM Draft	0, PITestRad	0, PITestRad

Template Name	Modalities	Body Parts	Procedure Code	Action
A CHEST BODY PART	All	CHEST		Edit Delete
AAA	CR,CT,DX	ABDOMEN,ARM,BONE		Edit Delete
ANOTHER HOLOGIC			MAMMOGRAM	Edit Delete
BLANK TEMPLATE	All	All		Edit Delete
CHEST 4			CHEST AP A	Edit Delete
CHEST 5			CHEST AP A	Edit Delete
CHEST TEMPLATE FROM DRAFT			CHEST	Edit Delete
CHEST TEMPLATE USER			CHEST	Edit Delete
CR CHEST AP TWO			FACE	Edit Delete
DHL_TEST			NO DESCRIP	Edit Delete
EMPTY CR CHEST			NO DESCRIP, CHEST	Edit Delete
HIVES	All	All		Edit Delete
NEW_SECTION_TEMP			UPPER EXTR	Edit Delete
NEW_SECTION_TEMPLAT			UPPER ARM	Edit Delete
NEW_SUBS_TEMPL			CHEST	Edit Delete

MRN: D1000 DOB: 9/27/1957 SEX: M

[34 y/o female wth chest pan] ← **Token Content**

Comparison:

[CR Chest dated 5/4/2012] ← **Template / Macro Content**

Technique:

Axial images of the chest were obtained with administration of [100 mL] Omnipaque 300.

Findings:

[There are two masses in the superior segment of the right lung. The larger and more anterior of these measures 3.7 x 3.8 x 3.5 cm. The second and more posterior is also slightly more inferior and measures 3.0 x 2.9 x 3.1 cm. Both of these have a thick wall with central necrosis with air fluid levels. There is a small amount of surrounding inflammatory change and a few associated satellite nodular densities measuring up to 5 mm in diameter.] ← **Field Content**

Impression:

Two thick walled centrally necrotic lesions with air fluid levels centrally and surrounding... ← **Dictated/Typed Content**

← **Transcription Edits**

The Gallery

Coming soon: Photos by 4th yr resident Liz Asch, check it out at WCC-304A!

Liz Asch, Photographer & Traveller



Inspired by IR Admin Asst Maxima Baudissin's travel diary of her recent trips to Paris and Munich, 4th yr resident **Liz Asch** will be displaying her photos this month. Many thanks to all who came to view Maxima's show. It is very heartening to see the Gallery so appreciated! As always, please contact Donna Wolfe if you would like to share your photos, paintings or sculptures: dwolfe@bidmc.harvard.edu or 4-2515

RESIDENCY NEWS -

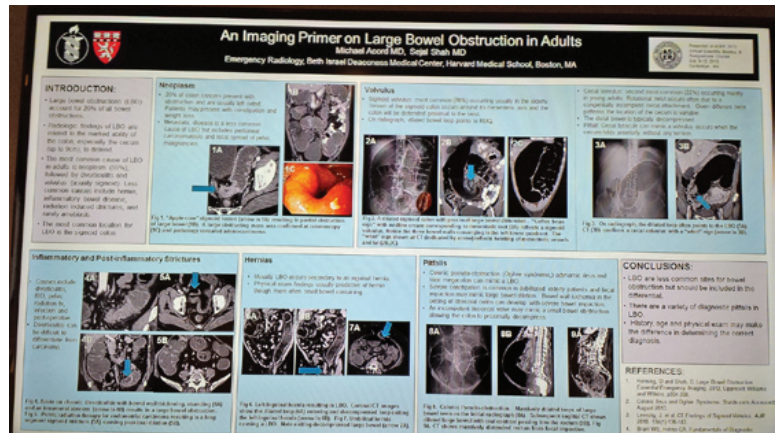
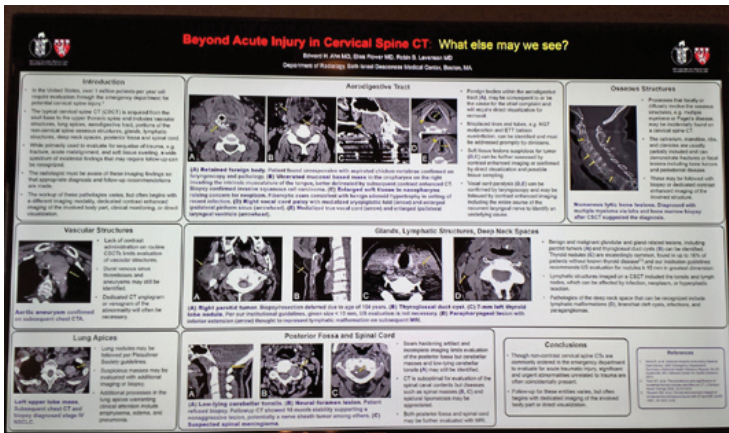


Annie Leylek, 3rd yr Resident

Congratulations Dr. Leylek!

Dr. Annie Leylek (3rd year) was elected Secretary of the Massachusetts Radiological Society (MRS) Resident and Fellow Section. In her role, she also serves as a resident member of the MRS Executive Committee. She wants to encourage all our residents and fellows to join the "MassRad Resident & Fellow Section" page on Facebook for the latest news and events of the MRS-RFS and ACR. She also welcomes any trainees interested in getting involved with the MRS to attend a future meeting with her. The next meeting of the MRS will be the evening of Wednesday, Nov. 13th.

BIDMC at ASER (American Society for Emergency Radiology) 2013



I am pleased to report that it was another successful American Society for Emergency Radiology (ASER) Annual meeting for BIDMC. Multiple BIDMC residents and all BIDMC Emergency Radiologists participated in the 25th Annual Scientific Meeting held here in Cambridge, MA. Pauline Bishop and Omar Zurkiya (BIDMC '2013) both gave superb oral abstract presentations:

- Pauline on Emergency Radiology Quality Assurance: Blind Spots in Chest Radiography and Omar spoke on Concurrent Head and Maxillofacial CT for Trauma: When is it Really Necessary?
- Eddie Ahn presented Case of the Day of fallopian tube torsion with an excellent oral presentation explanation the following day. BIDMC residents Michael Acord, Eddie Ahn, Caitlin Connolly, Jonathan Kim, Amanda Rigas, and Kate Troy presented outstanding educational poster exhibits:
- Accord M, Shah S. Large Bowel Obstruction: A Primer
- Ahn E, Flower E, Levenson R. Beyond Acute Injury in Cervical Spine CT: What Else May We See?
- Connolly C, Levenson R, Lee K. Top Emergency Radiology Ultrasound QA Issues.
- Kim J, Bennett A, Shah S, Nimhuirchairtaigh J, Levenson R. Internal Hernia After Roux-En-Y Gastric Bypass: Spectrum of Acute Imaging Findings.
- Rigas D, Levenson R. Emergency Pelvic Ultrasound: What the Radiologist Needs to Know
- Troy K, Levenson R. Acute Abdominal Pain Following Colonoscopy: What could it be?

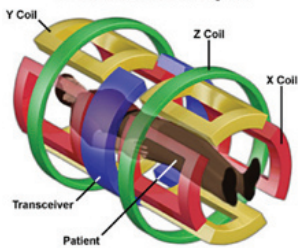
Along with the above radiology residents, Mark Masciocchi, David Khatami, and Neda Sedora-Romano also attended the two day "Trauma Head-to-Toe" Course which is offered free to the first 60 residents and fellows registered, and an outstanding learning opportunity. The course is well-suited for radiology residents preparing for and participating in call, and an excellent review for radiologists covering trauma centers. Residents found the course quite worthwhile. Per Neda Sedora-Romano, [the] "ASER conference was amazing! And an extremely helpful review for night float". Eddie Ahn indicated that "the talks were excellent and I definitely learned a lot from being there".

We are proud of our resident involvement in the ASER Annual Meeting and look forward to and encourage continued resident participation.

Next year, the ASER 26th Annual Meeting will be held in Portland, Oregon, in September, and we hope to see some of you there!

- Robin Levenson
Interim Chief,
Emergency Radiology

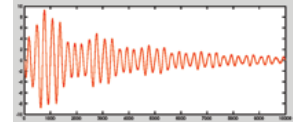




National High Magnetic Field Laboratory

BIDMC

Radiology Residents & Fellows MRI Physics Course



2013-2014 Academic Year

Purpose:

- To provide residents and fellows with a basic understanding of MR physics, with emphasis on practical aspects of image acquisition such as protocol optimization and troubleshooting.
- A brief overview of fundamentals of nuclear magnetic resonance will provide an introduction to sources of image contrast in MRI.
- Techniques for image formation will be described, followed by an overview of the major families of MR pulse sequences.
- Topics including angiography, diffusion weighting, parallel imaging and spectroscopy will be briefly addressed.
- The final section of the course will describe current areas of research

The course will follow "MRI in Practice," 4th Edition (2011) by Catherine Westbrook. Supplementary reading from review articles will be recommended for advanced topics.

TOPICS

Lectures 15-19: Practical applications, advanced topics & current research at BIDMC

November 6, 2013: Cardiac MRI

November 13, 2013: Topics in multinuclear imaging: Hyperpolarized ¹³C and metabolic imaging; ³¹P and ²³Na.

November 20, 2013: Diffusion-weighted imaging and DTI in neuro applications.

December 4, 2013: Arterial spin labeling in the brain and body. fMRI.

December 11, 2013: *Hands on session 3.* Introduction to research pulse sequences.

Format: A total of 19 sessions including 16 lectures and 3 hands-on sessions at the Bruker 9.4T and/or GE 3T scanners. **All sessions are held on Wednesdays, 5-6 pm at the MRI Learning Lab, Ansin 220, East Campus.**

Even if you missed the standing room only sessions held in July and August, you are still welcome to attend the remaining sessions

For more information, contact:
Aaron Grant, PhD 7-3265

BIDMC Radiology is proud to present

Best in Practice MRI Lecture Series 2013

Quarterly Lecture

MRI Quality Assurance & Quality Improvement: A Year in Review
- Clinical MRI Division

Thursday
November 14th
2:30 - 3:30 pm
Sherman 10
Conference Room,
BIDMC

These lecture are pending accreditation by the American Society of Radiologic Technologists (ASRT)
Accreditation: 1 Category A Credit

For more information, contact Lois Gilden Tel: 617-667-0299
Email: lgilden@bidmc.harvard.edu

KOMMUNITY KORNER:



Jeffrey Bernard, RT
Manager, Community
Radiology Network Services

Harrington Breaks Ground for New Webster Emergency Department

WEBSTER, Mass. – October 8, 2013 – Harrington HealthCare System broke ground this morning for an

\$8.8 million reconstruction of the Emergency Department on its Webster campus and introduced the project's previously anonymous donor, who has pledged to match every dollar raised for the reconstruction, up to \$4 million.

The new Emergency Department will be known as the Remillard Family Emergency Department because of the \$4 million matching grant from Arthur Remillard Jr. and his Remillard Family Foundation, Harrington President and CEO Edward H. Moore told donors and dignitaries who attended the groundbreaking ceremony.

"We are here today because of the generosity of all of you who have donated to this much-needed project," Moore told the group. "Because of you, we are now able to begin rebuilding our Emergency Department in Webster. What once appeared impossible is now a triumph for Harrington and the community."

Remillard's \$4 million anonymous matching grant helped kick off the Harrington fund raising campaign – known as Strengthening Our Future – more than two years ago.

Also on hand for the ground breaking were a number of state legislators and elected officials.

Harrington has raised more than \$5.8 million toward the \$8.8 million project, enough to break ground. In addition to the \$1.5 million from the state budget and the matching funds from the Remillard Family Foundation, funding has come from individuals, businesses, foundations and other organizations, such as Harrington's Auxiliary.



The Webster Emergency Department at Harrington HealthCare at Hubbard serves the residents of Webster, Dudley, Oxford, Douglas and surrounding communities, but it has not had a major renovation since it was built in 1955.

Its highly trained nurses, physicians and staff handle 12,000 cases a year -- a number that is expected to rise to 15,000 in the next three years. The reconstruction will increase the number of beds from five to nine, increase the square footage from 3,000 square feet to 13,000 square feet, and allow Harrington to accommodate the increased patient traffic it expects in the years to come.

The new Emergency Department will also include:

- Improved patient privacy, comfort and confidentiality, including a new registration area that can accommodate the increasing numbers of patients while protecting patient confidentiality and privacy
- Three separate areas for psychiatric emergency service patients
- A private family waiting area
- A rebuilt and enhanced ambulance entrance
- A newly constructed main entrance and lobby

Construction of the Remillard Family Emergency Department is expected to be complete by the fall of 2014.



Harrington's Moore noted that the Strengthening Our Future campaign to raise funds for the reconstruction is not over, despite the fact that construction has begun. "We still need the support of the public as this project continues," he said. "We've been successful in raising money for this much-needed project, but we still have an additional \$3 million to go."

More Community News

APG Specialist Fair cocktail reception



This past Tuesday, October 22nd, HMFP Radiology was part of 60 specialists representing over 25 HMFP specialty

divisions for the APG Specialist Fair cocktail reception. The Specialist Fair brought together our APG Primary Care Physicians and Beth Israel Deaconess Affiliated Specialists. At the Fair, each division/specialty had a display table to provide an opportunity for our APG physicians to learn more about procedures and services that each specialist offers. Located at the Needham Sheraton Hotel, our own Dr. Felipe Collares, Linda Paul, NP and Amanda Rook and Jeff Bernard, Community Managers, showcased our radiology services across the network. These included mammography, interventional procedures and Mass Vein Care to name a few. The Specialist Fair was a great event designed to improve our care offerings and create long lasting relationships among our specialist divisions. A special thanks to Jane Corey for her coordinating efforts and making it all happen !

Harrington Radiology

Every couple of months, the **Harrington Radiology** staff gets the hankering to showcase their cooking and creative skills... and to taste some really good food. In the past, they have organized best spaghetti sauce and best chili contests to the delight of all.

Last week, proved no different. The staff organized an apple pie contest with some very creative entries. Best Presentation went to LeeAnn Thibodeau, IR Tech/ Coordinator Best Crust was a tie between Kathy Franco-Anthony, Director and Deb Brodeur, Nuclear Med. Tech. Best Tasting went to yours truly, Jeff Bernard!



Breast Cancer Awareness Month!

The 1101 Beacon St. and 25 Boylston St. sites are giving complimentary gift bags to the breast imaging patients. We got the merchants along "The Street" to donate various coupon offers and items. The WS Winer Development Group donated the gift bags, pink tissue, and their time to help us put together the bags. Some of the contents include: a complimentary cookie for Rosie's with the purchase of tea or coffee; Sports Club LA day pass; 20% coupon offer for Pottery Barn, a note pad from "The Container Store"; complimentary corn bread from La Rotisserie; a monthly planner from HMFP Radiology ; \$5.00 coupon offer for BeStyled; and a coupon offer for a free screening with Mass Vein Care and lastly a 50.00 coupon offer from Eye Spot.

The first recipient of our gift bag was also celebrating her birthday and agreed to a photo - which is also attached!

- Jane D. Corey

Manager, HMFP Radiology Outpatient Practices
25 Boylston St., Suite L03, Chestnut Hill • 1101 Beacon St, Brookline •
Manager, BeWell Body Scan, LLC, BIH Radiologic Foundatio



2013 BIDMC Radiology Publications [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.

Note that publications do not always appear in Pubmed in the same month they are actually published and publications listing an Epub date may be updated in the new year, thus their paper publication will appear in 2013.

Aberle DR, DeMello S, Berg CD, Black WC, Brewer B, Church TR, Clingan KL, Duan F, Fagerstrom RM, Gareen IF, Gatsonis CA, Gierada DS, Jain A, Jones GC, Mahon I, Marcus PM, Rathmell JM, Sicks J; National Lung Screening Trial Research Team. Results of the two incidence screenings in the National Lung Screening Trial. *N Engl J Med.* 2013 Sep 5;369(10):920-31. doi: 10.1056/NEJMoa1208962. PMID: 24004119. [Collaborators: **Boiselle PM; Spirn PW**]

Akçakaya M, Basha TA, Chan RH, **Manning WJ**, Nezafat R. Accelerated isotropic sub-millimeter whole-heart coronary MRI: Compressed sensing versus parallel imaging. *Magn Reson Med.* 2013 Feb 25. doi: 10.1002/mrm.24683.

Akçakaya M, Basha TA, Pflugi S, Foppa M, Kissinger KV, **Hauser TH**, Nezafat R. Localized spatio-temporal constraints for accelerated CMR perfusion. *Magn Reson Med.* 2013 Oct 7. doi: 10.1002/mrm.24963. PMID: 24123058.

Akçakaya M, Gulaka P, Basha TA, Ngo LH, **Manning WJ**, Nezafat R. Free-breathing phase contrast MRI with near 100% respiratory navigator efficiency using k-space-dependent respiratory gating. *Magn Reson Med.* 2013 Jul 30. doi: 10.1002/mrm.24874. PMID: 23900942.

Alemozaffar M, Chang SL, Kacker R, **Sun M**, Dewolf WC, Wagner AA. Comparing costs of robotic, laparoscopic, and open partial nephrectomy. *J Endourol.* 2013 May;27(5):560-5. doi: 10.1089/end.2012.0462. PMID: 23130756.

Anis M, **Morteale K**. Role of secretin-enhanced magnetic resonance cholangiopancreatography in the evaluation of patients following pancreatojejunostomy. *J Clin Imaging Sci.* 2013 Feb 28;3:7. doi: 10.4103/2156-7514.107909. PMC3625885.

Appelbaum L, Ben-David E, Faroja M, Nissenbaum Y, **Sosna J, Goldberg SN**. Irreversible Electroporation Ablation: Creation of Large-Volume Ablation Zones in in Vivo Porcine Liver with Four-Electrode Arrays. *Radiology.* 2013 Oct 14. PMID: 24126371.

Appelbaum L, Solbiati L, **Sosna J**, Nissenbaum Y, Greenbaum N, **Goldberg SN**. Evaluation of an electromagnetic image-fusion navigation system for biopsy of small lesions: assessment of accuracy in an in vivo swine model. *Acad Radiol.* 2013 Feb;20(2):209-17. doi: 10.1016/j.acra.2012.09.020. PMID: 23395242.

Asch E, Shah S, Kang T, **Levine D**. Use of pelvic computed tomography and sonography in women of reproductive age in the emergency department. *J Ultrasound Med.* 2013 Jul;32(7):1181-7. doi: 10.7863/ultra.32.7.1181. PMID: 23804340.

Asch E, Levine D, Brook OR. Fractured intrauterine device copper sheath with an intact polyethylene core. *J Ultrasound Med.* 2013 Oct;32(10):1877-8. doi: 10.7863/ultra.32.10.1877. PMID: 24065270.

Ashitate Y, Lee BT, Laurence RG, Lunsford E, Hutteman M, Oketokoun R, Choi HS, **Frangioni JV**. Intraoperative Prediction of Postoperative Flap Outcome Using the Near-Infrared Fluorophore Methylene Blue. *Ann Plast Surg.* 2013 Mar;70(3):360-365. PMC3371147.

Ashitate Y, Lee BT, Ngo LH, Laurence RG, Hutteman M, Oketokoun R, Lunsford E, Soo Choi H, **Frangioni JV**. Quantitative assessment of nipple perfusion with near-infrared fluorescence imaging. *Ann Plast Surg.* 2013 Feb;70(2):149-53. doi: 10.1097/SAP.0b013e31822f9af7. PMC3224668.

Assenza GE, Graham DA, Landzberg MJ, Valente AM, Singh MN, Bashir A, Fernandes S, **Morteale KJ**, Ukomadu C, Volpe M, Wu F. MELD-XI score and cardiac mortality or transplantation in patients after Fontan surgery. *Heart.* 2013 Apr;99(7):491-6. doi: 10.1136/heartjnl-2012-303347. PMID: 23406689.

Baez JC, Lee EY, Restrepo R, **Eisenberg RL**. Chest wall lesions in children. *AJR Am J Roentgenol.* 2013 May;200(5):W402-19. doi: 10.2214/AJR.12.8883. PMID: 23617508.

Basha TA, Roujol S, Kissinger KV, Goddu B, Berg S, **Manning WJ**, Nezafat R. Free-breathing cardiac MR stress perfusion with real-time slice tracking. *Magn Reson Med.* 2013 Oct 7. doi: 10.1002/mrm.24977. PMID: 24123153.

Beddy P, Genega EM, Ngo L, **Hindman N, Wei J**, Bullock A, Bhatt RS, Atkins MB, Pedrosa I. Tumor Necrosis on Magnetic Resonance Imaging Correlates With Aggressive Histology and Disease Progression in Clear Cell Renal Cell Carcinoma. *Clin Genitourin Cancer.* 2013 Oct 19. doi:pii: S1558-7673(13)00196-1. 10.1016/j.clgc.2013.07.006. PMID: 24145001.

Ben-David E, **Ahmed M**, Faroja M, **Moussa M**, Wandel A, **Sosna J**, Appelbaum L, Nissenbaum I, **Goldberg SN**. Irreversible Electroporation: Treatment Effect is Susceptible to Local Environment and Tissue Properties. *Radiology.* 2013 Jul 11. PMID: 23847254.

Berkowitz SJ, Kung JW, Eisenberg RL, Donohoe K, Tsai LL, Slanetz PJ. Resident iPad Use: Has It Really Changed the Game? *J Am Coll Radiol.* 2013 Jun 25. doi:pii: S1546-1440(13)00271-8. 10.1016/j.jacr.2013.04.017. PMID: 23809171.

Bittman ME, Lee EY, Restrepo R, **Eisenberg RL**. Focal adrenal lesions in pediatric patients. *AJR Am J Roentgenol.* 2013 Jun;200(6):W542-56. doi: 10.2214/AJR.12.8677. PubMed PMID: 23701083.

Boiselle PM. A new year brings a new beginning and new voices. *J Thorac Imaging.* 2013 Jan;28(1):1. doi: 10.1097/RTI.0b013e318277ce9b.

Boiselle PM. Fostering a spirit of life-long learning. *J Thorac Imaging.* 2013 Mar;28(2):67. doi: 10.1097/RTI.0b013e318282d04c. PMID: 23422780.

Boiselle PM. Computed tomography screening for lung cancer. *JAMA.* 2013 Mar 20;309(11):1163-70. doi: 10.1001/jama.2012.216988. Review. PMID: 23512063.

Boiselle PM. CT Screening for Lung Cancer: Filling in the Gaps. *J Thorac Imaging.* 2013 Nov;28(6):329-30. doi: 10.1097/RTI.0000000000000046. PMID: 24071623.

Boiselle PM, Biederer J, Gefter WB, Lee EY. Expert Opinion: Why is MRI Still an Under-utilized Modality for Evaluating Thoracic Disorders? *J Thorac Imaging.* 2013 May;28(3):137. doi: 10.1097/RTI.0b013e31828cafe7. PMID: 23545946.

Boiselle PM, Bogaert J, **Manning WJ**, Ruzsics B. Expert Opinion: Should Stress Myocardial Perfusion MRI be Routinely Added to Delayed Enhancement Cardiac MRI Studies? *J Thorac Imaging.* 2013 Mar;28(2):68. doi: 10.1097/RTI.0b013e3182843aef.

Boiselle PM, Bremerich J, de Roos A, Greenberg SB, Ordovas K. Expert Opinion: Computed Tomography versus Magnetic Resonance Imaging for Young Adults With Congenital Heart Disease. *J Thorac Imaging.* 2013 Nov;28(6):331. doi: 10.1097/RTI.0000000000000049. PMID: 24149859.

Boiselle PM, Crapo JD, Han MK, Lynch DA, Tashkin DP. Expert Opinion: How Can Quantitative CT Benefit Patients With COPD and Idiopathic Interstitial Pneumonias? *J Thorac Imaging*. 2013 Sep;28(5):263. doi: 10.1097/RTI.0b013e3182a11afd. PMID: 23934143.

Boiselle PM, Erasmus JJ, Kauczor HU, Li K, Patz E. Expert opinion: the future role of cardiothoracic radiologists in molecular imaging. *J Thorac Imaging*. 2013 Jan;28(1):2. doi: 10.1097/RTI.0b013e31827b0fa7. PMID: 23249965.

Boiselle PM, Hoffmann U, Schoepf UJ, White CS. Expert Opinion : Is 24/7 Coverage Necessary for Implementing Coronary CT Angiography in the Emergency Room Setting? *J Thorac Imaging*. 2013 May 27. PMID: 23719543.

Boiselle PM, Litmanovich DE, Michaud G, Roberts DH, Loring SH, Womble HM, Millett ME, O'Donnell CR. Dynamic Expiratory Tracheal Collapse in Morbidly Obese COPD Patients. *COPD*. 2013 Oct;10(5):604-10. doi: 10.3109/15412555.2013.781149. PMID: 23837455.

Boiselle PM, Lynn C, Livingston EH. JAMA patient page. Lung cancer screening. *JAMA*. 2013 May 8;309(18):1948. doi: 10.1001/jama.2013.4324. PMID: 23652527.

Boiselle PM, Reddy GP. Reviewer awards and acknowledgments editors' recognition awards for distinction in reviewing in 2012. *J Thorac Imaging*. 2013 Jan;28(1):3. doi: 10.1097/RTI.0b013e31827851f4.

Bommart S, Kovacsik HV, Pujol JL, Macmahon H, **Bankier AA**, Naidich DP. Management of part-solid nodules. *Radiology*. 2013 Jul;268(1):306-7. doi:10.1148/radiol.13130293. PMID: 23793596.

Brennan IM, **Ahmed M**. Imaging features following transarterial chemoembolization and radiofrequency ablation of hepatocellular carcinoma. *Semin Ultrasound CT MR*. 2013 Aug;34(4):336-51. doi: 10.1053/j.sult.2013.04.004. PMID: 23895906.

Brodoefel H, Ramachandran R, Pantol G, Bergethon P, Qiu WQ, Scott T, **Rojas R**, Horger M, Rosenberg I, **Bhadelia RA**. Association between linear measurements of corpus callosum and gait in the elderly. *Eur Radiol*. 2013 Mar 20. PMID: 23512195.

Brook OR, **Abedin S**, **Morteale KJ**. Magnetic resonance imaging of the postoperative pancreas. *Semin Ultrasound CT MR*. 2013 Aug;34(4):325-35. doi: 10.1053/j.sult.2013.04.001. PMID: 23895905.

Brook OR, **Faintuch S**, **Brook A**, **Goldberg SN**, Rofsky NM, **Lenkinski RE**. Embolization therapy for benign prostatic hyperplasia: Influence of embolization particle size on gland perfusion. *J Magn Reson Imaging*. 2013 Aug;38(2):380-7. doi: 10.1002/jmri.23981. PMID: 23239260.

Brook OR, Gourtsoyianni S, **Brook A**, **Siewert B**, Kent T, **Raptopoulos V**. Split-Bolus Spectral Multidetector CT of the Pancreas: Assessment of Radiation Dose and Tumor Conspicuity. *Radiology*. 2013 Oct;269(1):139-48. doi: 10.1148/radiol.13121409. PMID: 23674791.

Brook OR, **Raptopoulos V**. Response. *Radiology*. 2013 Feb; 266(2): 687-8. [Comment on *Spectral CT with metal artifacts reduction software for improvement of tumor visibility in the vicinity of gold fiducial markers. Radiology 2012. Metal artifact reduction software must be used with caution. Radiology 2013*] PMID: 23479787.

Brown K, Gutierrez AJ, Mohammed TL, Kirsch J, Chung JH, Dyer DS, Ginsburg ME, Heitkamp DE, Kanne JP, Kazerooni EA, Ketai LH, **Parker JA**, Ravenel JG, Saleh AG, Shah RD, Steiner RM, Suh RD; Expert Panel on Thoracic Imaging. ACR Appropriateness Criteria® Pulmonary Hypertension. *J Thorac Imaging*. 2013 Jul;28(4):W57-W60. PMID: 23748650.

Cantisani V, Grazhdani H, Ricci P, **Morteale K**, Di Segni M, D'Andrea V, Redler A, Di Rocco G, Giacomelli L, Maggini E, Chiesa C, Erturk SM, Sorrenti S, Catalano C, D'Ambrosio F. Q-Elastosonography of Solid Thyroid Nodules: Assessment of Diagnostic Efficacy and Interobserver Variability in a Large Patient Cohort. *Eur Radiol*. 2013 Aug 27. PMID: 23979108.

Cerci R, Vavere AL, Miller JM, Yoneyama K, Rochitte CE, Dewey M, Niinuma H, **Clouse ME**, Laham R, Bush DE, Shapiro EP, Lardo AC, Cox C, Brinker J, Lima JA, Arbab-Zadeh A. Patterns of coronary arterial lesion calcification by a novel, cross-sectional CT angiographic assessment. *Int J Cardiovasc Imaging*. 2013 May 24. PMID: 23702949.

Chan RH, **Manning WJ**. Stress CMR - It's Time to Trust the Magnetic Crystal Ball. *J Am Coll Cardiol*. 2013 May 29. doi:pii: S0735-1097(13)02080-9. 10.1016/j.jacc.2013.04.065. PMID: 23727210.

Chen FY, Yang CP, Chen PY, Naraghi AM, Gupta S, Jacks LM, Essue J, Marks P, White LM, **Levine D**, Halpern EF, **Kressel HY**. Comment on the correct use of predictive values for evaluating diagnostic tests. *Radiology*. 2013 Jan;266(1):364-5. doi: 10.1148/radiol.12121346. PMID: 23264531.

Choi HS, Gibbs SL, Lee JH, Kim SH, Ashitate Y, Liu F, Hyun H, Park G, Xie Y, Bae S, Henary M, **Frangioni JV**. Targeted zwitterionic near-infrared fluorophores for improved optical imaging. *Nat Biotechnol*. 2013 Jan 6. doi: 10.1038/nbt.2468. PMID: 23292608.

Chuang ML, Gona P, Hautvast GL, Salton CJ, Breeuwer M, O'Donnell CJ, **Manning WJ**. CMR reference values for left ventricular volumes, mass, and ejection fraction using computer-aided analysis: The Framingham Heart Study. *J Magn Reson Imaging*. 2013 Oct 7. doi: 10.1002/jmri.24239. PMID: 24123369.

Crema MD, Hunter DJ, **Burstein D**, Roemer FW, Li L, Eckstein F, Krishnan N, Hellio Le-Graverand MP, Guermazi A. Association of changes in delayed gadolinium-enhanced MRI of cartilage (dGEMRIC) with changes in cartilage thickness in the medial tibiofemoral compartment of the knee: a 2 year follow-up study using 3.0 T MRI. *Ann Rheum Dis*. 2013 Jul 19. doi:10.1136/annrheumdis-2012-203083. PMID: 23873880.

Cypess AM, Doyle AN, Sass CA, Huang TL, Mowschenson PM, Rosen HN, Tseng YH, Palmer EL 3rd, **Kolodny GM**. Quantification of Human and Rodent Brown Adipose Tissue Function Using 99mTc-Methoxyisobutylisonitrile SPECT/CT and 18F-FDG PET/CT. *J Nucl Med*. 2013 Sep 26. PMID: 24071505.

Dai W, Shankaranarayanan A, **Alsop DC**. Volumetric measurement of perfusion and arterial transit delay using hadamard encoded continuous arterial spin labeling. *Magn Reson Med*. 2013 Apr;69(4):1014-22. doi: 10.1002/mrm.24335. PMC3427721.

Dani G, Sun MR, Bennett AE. Imaging of liver transplant and its complications. *Semin Ultrasound CT MR*. 2013 Aug;34(4):365-77. doi: 10.1053/j.sult.2013.04.002. PMID: 23895908.

de Souza DA, Parente DB, Eiras de Araújo AL, **Mortelé KJ**. Modern Imaging Evaluation of the Liver: Emerging MR Imaging Techniques and Indications. *Magn Reson Imaging Clin N Am*. 2013 May;21(2):337-63. doi: 10.1016/j.mric.2013.01.001. PMID: 23642557.

Dewhurst C, Beddy P, Pedrosa I. MRI evaluation of acute appendicitis in pregnancy. *J Magn Reson Imaging*. 2013 Mar;37(3):566-75. doi: 10.1002/jmri.23765. PMID: 23423797.

Dewhurst CE, **Morteale KJ**. Magnetic resonance imaging of rectal cancer. *Radiol Clin North Am*. 2013 Jan;51(1):121-31. doi: 10.1016/j.rcl.2012.09.012.

- Dialani V**, Mani K, Johnson NB. Chronic lymphocytic leukemia involving the breast parenchyma, mimicker of invasive breast cancer: differentiation on breast MRI. *Case Rep Med*. 2013;2013:603614. doi: 10.1155/2013/603614. PMID: 24151510.
- Didolkar MM**, Anderson ME, **Hochman MG**, Rissmiller JG, Goldsmith JD, Gebhardt MG, **Wu JS**. Image Guided Core Needle Biopsy of Musculoskeletal Lesions: Are Nondiagnostic Results Clinically Useful? *Clin Orthop Relat Res*. 2013 Jul 17. PMID: 23861048.
- Drew DA, **Bhadelia R**, Tighiouart H, Novak V, Scott TM, Lou KV, Shaffi K, Weiner DE, Sarnak MJ. Anatomic brain disease in hemodialysis patients: a cross-sectional study. *Am J Kidney Dis*. 2013 Feb;61(2):271-8. doi: 10.1053/j.ajkd.2012.08.035. PMID: 23546146.
- Dubey P**, Pandey S, **Moonis G**. Acute stroke imaging: recent updates. *Stroke Res Treat*. 2013;2013:767212. doi: 10.1155/2013/767212. Epub 2013 Jul 18. PMID: 2383732599.
- Duncan JR, Larson DB, **Kruskal JB**. Standardization of quality initiative reporting. *Radiographics*. 2013 Mar;33(2):373-4. doi: 10.1148/rg.332125034. PMID: 23479702.
- Eisenberg RL**. Ways to Improve Radiologists' Adherence to Fleischner Society Guidelines for Management of Pulmonary Nodules. *J Am Coll Radiol*. 2013 Mar 28. doi:pii: S1546-1440(12)00608-4. 10.1016/j.jacr.2012.10.001. PMID: 23542022.
- Eisenberg RL**. Re: "recent measures to improve radiology reporting: perspectives from primary care physicians". *J Am Coll Radiol*. 2013 Jun;10(6):479. doi: 10.1016/j.jacr.2013.04.004. PMID: 23735277.
- Eisenberg RL**, **Cunningham M**, **Kung JW**, **Slanetz PJ**. Misrepresentation of publications by radiology residency applicants: is it really a problem? *J Am Coll Radiol*. 2013 Mar;10(3):195-7. doi: 10.1016/j.jacr.2012.12.013. PMID: 23571059.
- Eisenberg RL**, **Cunningham ML**, **Siewert B**, **Kruskal JB**. Survey of Faculty Perceptions Regarding a Peer Review System. *J Am Coll Radiol*. 2013 Oct 19. doi:pii: S1546-1440(13)00489-4. 10.1016/j.jacr.2013.08.011. PMID: 24144835.
- Faroja M, **Ahmed M**, Appelbaum L, Ben-David E, **Moussa M**, **Sosna J**, Nissenbaum I, **Goldberg SN**. Irreversible electroporation ablation: is all the damage nonthermal? *Radiology*. 2013 Feb;266(2):462-70. doi: 10.1148/radiol.12120609.
- Ferris HA, **Williams G**, **Parker JA**, Garber JR. Therapeutic Implications of Diffuse Hepatic Uptake Following I-131 Therapy for Differentiated Thyroid Cancer. *Endocr Pract*. 2013 Mar 25:1-16. PMID: 23529347.
- Foppa M, Pond KK, Jones DB, Schneider B, Kissinger KV, **Manning WJ**. Subcutaneous fat thickness, but not epicardial fat thickness, parallels weight reduction three months after bariatric surgery: A cardiac magnetic resonance study. *Int J Cardiol*. 2013 Jul 19. doi:pii: S0167-5273(13)01157-1. 10.1016/j.ijcard.2013.06.099. PMID: 23871633.
- Gadaleta CD, Solbiati L, Mattioli V, Rubini G, Fazio V, Goffredo V, Vinciarelli G, Gadaleta-Caldarola G, Canniello E, Armenise F, D'Aluisio L, Gaudiano A, Ranieri G, **Goldberg SN**. Unresectable lung malignancy: combination therapy with segmental pulmonary arterial chemoembolization with drug-eluting microspheres and radiofrequency ablation in 17 patients. *Radiology*. 2013 May;267(2):627-37. doi: 10.1148/radiol.12120198. PMID: 23249572.
- Gao Y**, **Lee K**, **Camacho M**. Utility of pelvic ultrasound following negative abdominal and pelvic CT in the emergency room. *Clin Radiol*. 2013 Jul 23. doi:pii: S0009-9260(13)00311-5. 10.1016/j.crad.2013.05.101. PMID: 23890572.
- Gao Y**, **Moonis G**, Cunnane ME, **Eisenberg RL**. Lacrimal gland masses. *AJR Am J Roentgenol*. 2013 Sep;201(3):W371-81. doi: 10.2214/AJR.12.9553. PMID: 23971467.
- Gao Y**, Seidman MA, **Bankier AA**. Case 196: Immunoglobulin G4-related Disease. *Radiology*. 2013 Aug;268(2):604-9. doi: 10.1148/radiol.13121380. PMID: 23882098.
- Gao Y**, **Slanetz PJ**, **Eisenberg RL**. Echogenic Breast Masses at US: To Biopsy or Not to Biopsy? *Radiographics*. 2013 Mar;33(2):419-34. doi: 10.1148/rg.332125048. PMID: 23479705.
- Gaur S**, **Dialani V**, **Slanetz PJ**, **Eisenberg RL**. Architectural distortion of the breast. *AJR Am J Roentgenol*. 2013 Nov;201(5):W662-70. doi: 10.2214/AJR.12.10153. PubMed PMID: 24147494.
- Ghosh E**, **Levine D**. Recommendations for Adnexal Cysts: Have the Society of Radiologists in Ultrasound Consensus Conference Guidelines Affected Utilization of Ultrasound? *Ultrasound Q*. 2013 Mar;29(1):21-4. doi: 10.1097/RUQ.0b013e31827c6ab1.
- Gibbs SL, Xie Y, Goodwill HL, Nasr KA, Ashitate Y, Madigan VJ, Siclovan TM, Zavodszky M, Tan Hehir CA, **Frangioni JV**. Structure-activity relationship of nerve-highlighting fluorophores. *PLoS One*. 2013 Sep 9;8(9):e73493. doi: 10.1371/journal.pone.0073493. PMID: 23767781.
- Gilmore DM, Khullar OV, Gioux S, Stockdale A, **Frangioni JV**, Colson YL, Russell SE. Effective low-dose escalation of indocyanine green for near-infrared fluorescent sentinel lymph node mapping in melanoma. *Ann Surg Oncol*. 2013 Jul;20(7):2357-63. doi: 10.1245/s10434-013-2905-x. PMID: 23440551.
- Gilmore DM, Khullar OV, Jaklitsch MT, Chirieac LR, **Frangioni JV**, Colson YL. Identification of metastatic nodal disease in a phase 1 dose-escalation trial of intraoperative sentinel lymph node mapping in non-small cell lung cancer using near-infrared imaging. *J Thorac Cardiovasc Surg*. 2013 Sep;146(3):562-70. doi: 10.1016/j.jtcvs.2013.04.010. PMID: 23748170.
- Ginat DT, Freitag SK, Kieff D, Grove A, Fay A, Cunnane M, **Moonis G**. Radiographic Patterns of Orbital Involvement in IgG4-Related Disease. *Ophthal Plast Reconstr Surg*. 2013 May 2. PMID: 23645355.
- Ginat DT, Singh AD, **Moonis G**. Reply. *Retina*. 2013 May;33(5):1090. doi:10.1097/IAE.0b013e318281b992. PMID: 23549093.
- Gokhale S, Lahoti S, **Rojas R**, Caplan LR. Tissue Plasminogen Activator and Calcific Emboli. *JAMA Neurol*. 2013 Mar 4:1-2. doi: 10.1001/jamaneurol.2013.616. PMID: 23460090.
- Goldberg SN**. Science to practice: can we expand focal interventional oncologic ablation treatments into an effective systemic therapy? *Radiology*. 2013 May;267(2):321-3. doi: 10.1148/radiol.13130140. PMID: 23610091.
- Hall FM**. Treatment of unresectable pancreatic cancer. *AJR Am J Roentgenol*. 2013 Feb;200(2):467. doi: 10.2214/AJR.12.9353.
- Hall FM**. Lobular neoplasia: what does it mean and how should it be treated? *AJR Am J Roentgenol*. 2013 May;200(5):W538. doi: 10.2214/AJR.12.10123. PMID: 23617527.
- Hall FM**, Drew T, Evans K, Vö ML, Jacobson F, Wolfe JM. Gestalt of Medical Images * Dr Drew and colleagues respond. *Radiographics*. 2013 Sep;33(5):1519. doi: 10.1148/rg.335135016. PMID: 24025938.
- Hall FM**, Hooley RJ, Greenberg K, Stackhouse RM, Geisel J, Butler R, Philpotts LE, Lee CI, Bassett LW, Lehman CD. Breast density legislation. *Radiology*. 2013 Mar;266(3):997-8. doi: 10.1148/radiol.12121953.

Hall FM, Hylton N. MR Imaging for the Prediction of Breast Cancer Response to Neoadjuvant Chemotherapy. *Radiology*. 2013 Jan;266(1):367. doi: 10.1148/radiol.12121371.

Hall FM, Kopans DB, Sadowsky NL, Homer MJ. Development of wire localization for occult breast lesions: Boston remembrances. *Radiology*. 2013 Sep;268(3):622-7. doi: 10.1148/radiol.13121943. PMID: 23970507.

Handley R, Zelaya FO, Reinders AA, Marques TR, Mehta MA, O'Gorman R, **Alsop DC**, Taylor H, Johnston A, Williams S, McGuire P, Pariante CM, Kapur S, Dazzan P. Acute effects of single-dose aripiprazole and haloperidol on resting cerebral blood flow (rCBF) in the human brain. *Hum Brain Mapp*. 2013 Feb;34(2):272-82. doi: 10.1002/hbm.21436. PMID: 22451196.

Havla L, Basha T, Rayatzadeh H, Shaw JL, **Manning WJ**, Reeder SB, Kozerke S, Nezafat R. Improved fat water separation with water selective inversion pulse for inversion recovery imaging in cardiac MRI. *J Magn Reson Imaging*. 2013 Feb;37(2):484-90. doi: 10.1002/jmri.23779. PMCID: PMC3557547.

Ho ML, **Moonis G**, **Eisenberg RL**. Lesions of the corpus callosum. *AJR Am J Roentgenol*. 2013 Jan;200(1):W1-W16. doi: 10.2214/AJR.11.8080.

Hryhorczuk A, Lee EY, **Eisenberg RL**. Bowel obstructions in older children. *AJR Am J Roentgenol*. 2013 Jul;201(1):W1-8. doi: 10.2214/AJR.12.8528. PMID: 23789680.

Hryhorczuk AL, Lee EY, **Eisenberg RL**. Esophageal abnormalities in pediatric patients. *AJR Am J Roentgenol*. 2013 Oct;201(4):W519-32. doi: 10.2214/AJR.12.9291. PMID: 24059388.

Huda W, Brady SL, Kaufman RA, **Bankier AA**, **Kressel HY**, McCollough CH. CT Dose Metrics. *Radiology*. 2013 Jun;267(3):964-7. doi: 10.1148/radiol.13122469. PMID: 23704294.

International Society for Strategic Studies in Radiology (IS3R). A statement about authorship from individual members of the International Society for Strategic Studies in Radiology (IS3R). *Eur Radiol*. 2013 Jan;23(1):1-2. doi: 10.1007/s00330-012-2713-x. PMID: 23184074. [**Kressel HY**, collaborator]

Iris Chen YC, Cypess AM, Chen YC, **Palmer M**, **Kolodny G**, Kahn CR, Kwong KK. Measurement of Human Brown Adipose Tissue Volume and Activity Using Anatomic MR Imaging and Functional MR Imaging. *J Nucl Med*. 2013 Sep;54(9):1584-7. doi: 10.2967/jnumed.112.117275. PMID: 23868958.

Jamar F, Buscombe J, Chiti A, Christian PE, Delbeke D, **Donohoe KJ**, Israel O, Martin-Comin J, Signore A. EANM/SNMMI Guideline for 18F-FDG Use in Inflammation and Infection. *J Nucl Med*. 2013 Apr;54(4):647-58. doi: 10.2967/jnumed.112.112524. PMID: 23359660.

Javery O, Shyn P, **Morteale K**. FDG PET or PET/CT in patients with pancreatic cancer: when does it add to diagnostic CT or MRI? *Clin Imaging*. 2013 Mar;37(2):295-301. doi: 10.1016/j.clinimag.2012.07.005. PMID: 23465982.

Johnson KA, Minoshima S, Bohnen NI, **Donohoe KJ**, Foster NL, Herscovitch P, Karlawish JH, Rowe CC, Carrillo MC, Hartley DM, Hedrick S, Pappas V, Thies WH; Alzheimer's Association; Society of Nuclear Medicine and Molecular Imaging; Amyloid Imaging Taskforce. **Appropriate use criteria for amyloid PET: a report of the Amyloid Imaging Task Force, the Society of Nuclear Medicine and Molecular Imaging, and the Alzheimer's Association**. *Alzheimers Dement*. 2013 Jan;9(1):e-1-16. PMCID: PMC3733252.

Johnson KA, Minoshima S, Bohnen NI, **Donohoe KJ**, Foster NL, Herscovitch P, Karlawish JH, Rowe CC, Carrillo MC, Hartley DM, Hedrick S, Pappas V, Thies WH. **Appropriate use criteria for amyloid PET: A report of the Amyloid Imaging Task Force, the Society of Nuclear Medicine and Molecular Imaging, and the Alzheimer's Association**. *J Nucl Med*. 2013 Mar;54(3):476-90. doi: 10.2967/jnumed.113.120618. Review. PMID: 23359661.

Johnson KA, Minoshima S, Bohnen NI, **Donohoe KJ**, Foster NL, Herscovitch P, Karlawish JH, Rowe CC, Hedrick S, Pappas V, Carrillo MC, Hartley DM. **Update on appropriate use criteria for amyloid PET imaging: dementia experts, mild cognitive impairment, and education**. *J Nucl Med*. 2013 Jul;54(7):1011-3. doi: 10.2967/jnumed.113.127068. PMID: 23753186.

Johnson KA, Minoshima S, Bohnen NI, **Donohoe KJ**, Foster NL, Herscovitch P, Karlawish JH, Rowe CC, Hedrick S, Pappas V, Carrillo MC, Hartley DM. **Update on appropriate use criteria for amyloid PET imaging: dementia experts, mild cognitive impairment, and education**. *Alzheimers Dement*. 2013 Jul;9(4):e106-9. doi: 10.1016/j.jalz.2013.06.001. PMID: 23809369.

Joshi S, **Dialani V**, Marotti J, **Mehta TS**, **Slanetz PJ**. Breast disease in the pregnant and lactating patient: radiological-pathological correlation. *Insights Imaging*. 2013 Oct;4(5):527-38. doi: 10.1007/s13244-012-0211-y. PMCID: PMC3781252.

Kadiyala V, Lee LS, Banks PA, Suleiman S, Paulo JA, Wang W, Rosenblum J, Sainani NI, **Morteale K**, Conwell DL. Cigarette smoking impairs pancreatic duct cell bicarbonate secretion. *JOP*. 2013 Jan 10;14(1):31-8. doi: 10.6092/1590-8577/1195. PMID: 23306332.

Kanne JP, Jensen LE, Mohammed TL, Kirsch J, Amorosa JK, Brown K, Chung JH, Dyer DS, Ginsburg ME, Heitkamp DE, Kazerooni EA, Ketai LH, **Parker JA**, Ravenel JG, Saleh AG, Shah RD; Expert Panel on Thoracic Imaging. ACR appropriateness Criteria® radiographically detected solitary pulmonary nodule. *J Thorac Imaging*. 2013 Jan;28(1):W1-3. doi: 10.1097/RTI.0b013e31827657c8. PMID: 23197285.

Kapoor K, Repas K, Singh VK, Conwell DL, **Morteale KJ**, Wu BU, Banks PA. Does the duration of abdominal pain prior to admission influence the severity of acute pancreatitis? *JOP*. 2013 Mar 10;14(2):171-5. doi: 10.6092/1590-8577/1283. PMID: 23474564.

Ketwaroo G, Brown A, Young B, Kheraj R, Sawhney M, **Morteale KJ**, Najarian R, Tewani S, Dasilva D, Freedman S, Sheth S. Defining the Accuracy of Secretin Pancreatic Function Testing in Patients With Suspected Early Chronic Pancreatitis. *Am J Gastroenterol*. 2013 May 28. doi: 10.1038/ajg.2013.148. PMID: 23711627.

Khosa F, **Khan AN**, Nasir K, Bedayat A, Malik Z, Jon AF, Cheema AR, **Clouse ME**, Welty FK. Comparison of coronary plaque subtypes in male and female patients using 320-row MDCTA. *Atherosclerosis*. 2013 Feb;226(2):428-32. doi: 10.1016/j.atherosclerosis.2012.11.033. PMID: 23287639.

Khouri MN, **Gheuens S**, **Ngo L**, **Wang X**, **Alsop DC**, **Koralnik IJ**. Hyperperfusion in progressive multifocal leukoencephalopathy is associated with disease progression and absence of immune reconstitution inflammatory syndrome. *Brain*. 2013 Oct 1. [Epub ahead of print] PMID: 24088807.

Kressel HY. Herding bees: restricting overuse of abbreviations in biomedical literature. *Radiology*. 2013 Feb;266(2):372-3. PMID: 23479780.

Kung JW, **Melenevsky Y**, **Hochman MG**, **Didolkar MM**, **Yablon CM**, **Eisenberg RL**, **Wu JS**. On-call musculoskeletal radiographs: discrepancy rates between radiology residents and musculoskeletal radiologists. *AJR Am J Roentgenol*. 2013 Apr;200(4):856-9. PMID: 23521460.

Kwak Y, Nam S, Akçakaya M, Basha TA, Goddu B, **Manning WJ**, Tarokh V, Nezafat R. Accelerated aortic flow assessment with compressed sensing with and without use of the sparsity of the complex difference image. *Magn Reson Med*. 2012 Oct 12. doi: 10.1002/mrm.24514. PMID: 23065722.

Lalani T, Couto CA, **Rosen MP**, Baker ME, Blake MA, Cash BD, Fidler JL, Greene FL, Hindman NM, Katz DS, Kaur H, Miller FH, Qayyum A, Small WC, Sudakoff GS, Yaghmai V, Yarmish GM, Yee J. ACR Appropriateness Criteria Jaundice. *J Am Coll Radiol*. 2013 Apr 27. doi:pii: S1546-1440(13)00120-8. 10.1016/j.jacr.2013.02.020. PMID: 23632132.

Lee EY, Jenkins KJ, Muneeb M, Marshall AC, Tracy DA, Zurakowski D, **Boiselle PM**. Proximal pulmonary vein stenosis detection in pediatric patients: value of multiplanar and 3-D VR imaging evaluation. *Pediatr Radiol*. 2013 Mar 10. PMID: 23475282.

Lee EY, Zucker EJ, Restrepo R, Daltro P, **Boiselle PM**. Advanced large airway CT imaging in children: evolution from axial to 4-D assessment. *Pediatr Radiol*. 2013 Mar;43(3):285-97. doi: 10.1007/s00247-012-2470-7.

Lee JH, Park S, Hyun H, Bordo MW, Oketokoun R, Nasr KA, **Frangioni JV**, Choi HS. High-throughput screening of small molecule ligands targeted to live bacteria surface. *Anal Chem*. 2013 Apr 2;85(7):3508-14. doi: 10.1021/ac303199x. PMID: 236321038.

Lennerz BS, **Alsop DC**, Holsen LM, Stern E, **Rojas R**, Ebbeling CB, Goldstein JM, Ludwig DS. Effects of dietary glycemic index on brain regions related to reward and craving in men. *Am J Clin Nutr*. 2013 Sep;98(3):641-7. doi: 10.3945/ajcn.113.064113. PMID: 2363743729.

Levine D, **Bankier AA**, **Kressel HY**. Spin in radiology research: let the data speak for themselves. *Radiology*. 2013 May;267(2):324-5. doi: 10.1148/radiol.13130108. PMID: 23610092.

Li X, **Sarkar SN**, Purdy DE, Spence JS, Haley RW, Briggs RW. Anteroposterior perfusion heterogeneity in human hippocampus measured by arterial spin labeling MRI. *NMR Biomed*. 2013 Feb 19. doi: 10.1002/nbm.2898. [Epub ahead of print] PubMed PMID: 23420779.

Li Y, Estroff JA, Khwaja O, **Mehta TS**, Robson CD, Poussaint TY, Feldman HA, Ware J, **Levine D**. Callosal dysgenesis in fetuses with ventriculomegaly: levels of agreement between imaging modalities and postnatal outcome. *Ultrasound Obstet Gynecol*, in press. *Ultrasound Obstet Gynecol*. 2012 Jan 20. doi: 10.1002/uog.11098. PMID: 22262510

Madhuranthakam AJ, **Lee KS**, Yassin A, Brittain JH, Pedrosa I, Rofsky NM, **Alsop DC**. Improved short tau inversion recovery (iSTIR) for increased tumor conspicuity in the abdomen. *MAGMA*. 2013 Sep 20. PMID: 24052241.

Makowski MR, Henningsson M, Spuentrup E, Kim WY, Maintz D, **Manning WJ**, Botnar RM. Characterization of Coronary Atherosclerosis by Magnetic Resonance Imaging. *Circulation*. 2013 Sep 10;128(11):1244-1255. PMID: 24019445.

Manning WJ. Asymptomatic aortic stenosis in the elderly: a clinical review. *JAMA*. 2013 Oct 9;310(14):1490-7. doi: 10.1001/jama.2013.279194. PMID: 24104373.

Maron BJ, Rowin EJ, Casey SA, Haas TS, Chan RH, Udelson JE, Garberich RF, Lesser JR, Appelbaum E, **Manning WJ**, Maron MS. Risk Stratification and Outcome of Patients with Hypertrophic Cardiomyopathy over 60 Years of Age. *Circulation*. 2013 Feb 5;127(5):585-93. doi: 10.1161/CIRCULATIONAHA.112.136085.

Maurer AH, Mariani G, Madsen JL, **Donohoe K**, Knight LC, Van Dolsen J, Parkman HP, Camilleri M. The SNMMI and EANM Practice Guideline for Small-Bowel and Colon Transit 1.0. *J Nucl Med*. 2013 Oct 3. PMID: 24092937.

Moghari MH, Roujol S, Henningsson M, Kissinger KV, Annese D, Nezafat R, **Manning WJ**, Geva T, Powell AJ. Three-dimensional heart locator for whole-heart coronary magnetic resonance angiography. *Magn Reson Med*. 2013 Jul 22. doi: 10.1002/mrm.24881. PMID: 23878103.

Molinari F, Tack DM, **Boiselle P**, Ngo L, Mueller-Mang C, **Litmanovich D**, **Bankier AA**. Radiation dose management in thoracic CT: an international survey. *Diagn Interv Radiol*. 2013 May-Jun;19(3):201-7. doi: 10.4261/1305-3825.DIR.6381-12.1. PMID: 23271505.

Moran DE, **Bennett AE**, **Sheiman RG**. Diagnostic radiology of transjugular intrahepatic portosystemic shunts. *Semin Ultrasound CT MR*. 2013 Aug;34(4):352-64. doi: 10.1053/j.sult.2013.03.001. PMID: 23895907.

Mortelé KJ. Cystic pancreatic neoplasms: imaging features and management strategy. *Semin Roentgenol*. 2013 Jul;48(3):253-63. doi: 10.1053/j.ro.2013.03.006. PMID: 23796376.

Moussa M, **Goldberg SN**, Tasawwar B, Sawant RR, Levchenko T, Kumar G, Torchilin VP, **Ahmed M**. Adjuvant Liposomal Doxorubicin Markedly Affects Radiofrequency Ablation-induced Effects on Periablational Microvasculature. *J Vasc Interv Radiol*. 2013 Jul;24(7):1021-33. doi: 10.1016/j.jvir.2013.03.006. PMID: 23664809.

Naidich DP, **Bankier AA**, Macmahon H, Schaefer-Prokop CM, Pistolesi M, Goo JM, Macchiarini P, Crapo JD, Herold CJ, Austin JH, Travis WD. Recommendations for the Management of Subsolid Pulmonary Nodules Detected at CT: A Statement from the Fleischner Society. *Radiology*. 2013 Jan;266(1):304-317.

Nam S, Akçakaya M, Basha T, Stehning C, **Manning WJ**, Tarokh V, Nezafat R. Compressed sensing reconstruction for whole-heart imaging with 3D radial trajectories: a graphics processing unit implementation. *Magn Reson Med*. 2013 Jan;69(1):91-102. doi: 10.1002/mrm.24234. PMID: 23371294.

Nam S, Hong SN, Akçakaya M, Kwak Y, Goddu B, Kissinger KV, **Manning WJ**, Tarokh V, Nezafat R. Compressed sensing reconstruction for undersampled breath-hold radial cine imaging with auxiliary free-breathing data. *J Magn Reson Imaging*. 2013 Jul 15. doi: 10.1002/jmri.24098. PMID: 23857797.

Nemec SF, **Bankier AA**, **Eisenberg RL**. Pulmonary hyperlucency in adults. *AJR Am J Roentgenol*. 2013 Feb;200(2):W101-15. doi: 10.2214/AJR.12.8917. PMID: 23345374.

Nemec SF, **Bankier AA**, **Eisenberg RL**. Upper lobe-predominant diseases of the lung. *AJR Am J Roentgenol*. 2013 Mar;200(3):W222-37.

Nemec SF, **Bankier AA**, **Eisenberg RL**. Lower lobe-predominant diseases of the lung. *AJR Am J Roentgenol*. 2013 Apr;200(4):712-28. doi: 10.2214/AJR.12.9253. PMID: 23521438.

Nemec SF, **Eisenberg RL**, **Bankier AA**. Noninfectious inflammatory lung disease: imaging considerations and clues to differential diagnosis. *AJR Am J Roentgenol*. 2013 Aug;201(2):278-94. doi: 10.2214/AJR.12.9772. PMID: 23883208.

Nguyen JT, Ashitate Y, Venugopal V, Neacsu F, Kettenring F, **Frangioni JV**, Gioux S, Lee BT. Near-infrared imaging of face transplants: are both pedicles necessary? *J Surg Res*. 2013 Sep;184(1):714-21. doi: 10.1016/j.jss.2013.04.039. PMID: 23758778.

Nguyen JT, Lin SJ, Tobias AM, Gioux S, Mazhar A, Cuccia DJ, Ashitate Y, Stockdale A, Oketokoun R, Durr NJ, Moffitt LA, Durkin AJ, Tromberg BJ, **Frangioni JV**, Lee BT. A Novel Pilot Study Using Spatial Frequency Domain Imaging to Assess Oxygenation of Perforator Flaps During Reconstructive Breast Surgery. *Ann Plast Surg*. 2013 Sep;71(3):308-315. PubMed PMID: 23945533.

Ni Mhuirheartaigh J, Abedin S, Bennett AE, Tyagi G. Imaging features of bariatric surgery and its complications. *Semin Ultrasound CT MR.* 2013 Aug;34(4):311-24. doi: 10.1053/j.sult.2013.04.005. PMID: 23895904.

Ní Mhuirheartaigh JM, Sun MR, Callery MP, Siewert B, Vollmer CM, Kane RA. Pancreatic Surgery: A Multidisciplinary Assessment of the Value of Intraoperative US. *Radiology.* 2013 Mar;266(3):945-55. doi: 10.1148/radiol.12120201.

O’Gorman RL, Poil SS, Brandeis D, Klaver P, Bollmann S, Ghisleni C, Lüchinger R, Martin E, Shankaranarayanan A, **Alsop DC**, Michels L. Coupling Between Resting Cerebral Perfusion and EEG. *Brain Topogr.* 2012 Nov 18. PMID: 23160910.

Olivotto I, Maron BJ, Tomberli B, Appelbaum E, Salton C, Haas TS, Michael Gibson C, Nistri S, Servattini E, Chan RH, Udelson JE, Lesser JR, Cecchi F, **Manning WJ**, Maron MS. Obesity and its Association to Phenotype and Clinical Course in Hypertrophic Cardiomyopathy. *J Am Coll Cardiol.* 2013 Apr 30. doi:pii: S0735-1097(13)01731-2. 10.1016/j.jacc.2013.03.062. PMID: 23643593.

Peters DC, Shaw JL, Knowles BR, Moghari MH, **Manning WJ.** Respiratory bellows-gated late gadolinium enhancement of the left atrium. *J Magn Reson Imaging.* 2012 Nov 29. doi: 10.1002/jmri.23954. PMID: 23197465.

Qi L, Qi Q, Prudente S, Mendonca C, Andreozzi F, di Pietro N, Sturma M, Novelli V, Mannino GC, Formoso G, Gervino EV, **Hauser TH**, Muehlschlegel JD, Niewczasz MA, Krolewski AS, Biolo G, Pandolfi A, Rimm E, Sesti G, Trischitta V, Hu F, Doria A. Association between a genetic variant related to glutamic acid metabolism and coronary heart disease in individuals with type 2 diabetes. *JAMA.* 2013 Aug 28;310(8):821-8. doi: 10.1001/jama.2013.276305. PMID: 23982368.

Quesnel AM, **Moonis G**, Appel J, O’Malley JT, McKenna MJ, Curtin HD, Merchant SN. Correlation of computed tomography with histopathology in otosclerosis. *Otol Neurotol.* 2013 Jan;34(1):22-8. doi: 10.1097/MAO.0b013e318277a1f7. PMC3523308.

Quesnel AM, **Moonis G**, Appel J, O’Malley JT, Curtin HD, McKenna MJ. RESPONSE TO LETTER TO THE EDITOR BY DR. TAMAS KAROSI RE: “CORRELATION OF COMPUTED TOMOGRAPHY WITH HISTOPATHOLOGY IN OTOSCLEROSIS”, QUESNEL ET AL. *OTOL NEUROTOL* 2013; 34(1): 22-28. *Otol Neurotol.* 2013 Sep;34(7):1363-1364. PMID: 23921922.

Rangwala NA, Hackney DB, Dai W, Alsop DC. Diffusion restriction in the human spinal cord characterized in vivo with high b-value STEAM diffusion imaging. *Neuroimage.* 2013 Nov 15;82:416-25. doi: 10.1016/j.neuroimage.2013.05.122. PMID: 23747289.

Rayatzadeh H, Patel SJ, **Hauser TH**, Ngo LL, Shaw JL, Tan A, Buxton AE, Zimetbaum P, Josephson ME, Appelbaum E, **Manning WJ**, Nezafat R. Volumetric Left Ventricular Ejection Fraction is Superior to 2-Dimensional Echocardiography for Risk Stratification of Patients for Primary Prevention Implantable Cardioverter-Defibrillator Implantation. *Am J Cardiol.* 2013 Apr 15;111(8):1175-9. doi: 10.1016/j.amjcard.2012.12.051. PMC3619203.

Rayatzadeh H, Tan A, Chan RH, Patel SJ, **Hauser TH**, Ngo L, Shaw JL, Hong SN, Zimetbaum P, Buxton AE, Josephson ME, **Manning WJ**, Nezafat R. Scar heterogeneity on cardiovascular magnetic resonance as a predictor of appropriate implantable cardioverter defibrillator therapy. *J Cardiovasc Magn Reson.* 2013 Apr 10;15(1):31. PMID: 23574733.

Ridge CA, Litmanovich D, Bukoye BA, Lin PJ, Wilcox C, Boiselle PM, Bankier AA. Computed tomography angiography for suspected pulmonary embolism: comparison of 2 adaptive statistical iterative reconstruction blends to filtered back-projection alone. *J Comput Assist Tomogr.* 2013 Sep-Oct;37(5):712-7. doi:10.1097/RCT.0b013e31829727d2. PMID: 24045246.

Ridge CA, Litmanovich D, Molinari F, Bankier AA, Eisenberg RL. Radiographic evaluation of central venous catheter position: anatomic correlation using gated coronary computed tomographic angiography. *J Thorac Imaging.* 2013 Mar;28(2):129-33. doi: 10.1097/RTI.0b013e31825d2db9.

Rosenkrantz AB, Sekhar A, Genega EM, Melamed J, Babb JS, Patel AD, Lo A, Najarian RM, **Ahmed M**, Pedrosa I. Prognostic implications of the magnetic resonance imaging appearance in papillary renal cell carcinoma. *Eur Radiol.* 2013 Feb;23(2):579-87. doi: 10.1007/s00330-012-2631-y. PMID: 22903703.

Sacks BA, Brook OR, Brennan IM. Adrenal venous sampling: promises and pitfalls. *Curr Opin Endocrinol Diabetes Obes.* 2013 Jun;20(3):180-5. doi: 10.1097/MED.0b013e32835f26c9. PMID: 23571509.

Sarkar SN, Mangosing JL, Sarkar PR. Effect of low refocusing angle in t1-weighted spin echo and fast spin echo MRI on low-contrast detectability: a comparative phantom study at 1.5 and 3 tesla. *Biomed Res Int.* 2013;2013:680292. doi: 10.1155/2013/680292. PMID: 23986908.

Sarwar A, Ding A, Slanetz PJ. Getting involved in organized medicine -a remedy for the current health care crisis? *Acad Radiol.* 2013 Apr;20(4):519-20. doi:10.1016/j.acra.2012.10.001. PMID: 23498996.

Sarwar A, Eisenberg RL, Boiselle PM, Siewert B, Kruskal JB. Improving resident education in quality improvement: role for a resident quality improvement director. *Acad Radiol.* 2013 Apr;20(4):500-5. doi: 10.1016/j.acra.2012.10.011. PMID: 23498993.

Schaafsma BE, Verbeek FP, van der Vorst JR, Hutteman M, Kuppen PJ, **Frangioni JV**, van de Velde CJ, Vahrmeijer AL. Ex vivo sentinel node mapping in colon cancer combining blue dye staining and fluorescence imaging. *J Surg Res.* 2013 Jul;183(1):253-7. doi: 10.1016/j.jss.2013.01.003. PMID: 23391167.

Siewert B, Brook OR, Mullins MM, Eisenberg RL, Kruskal JB. Practice policy and quality initiatives: strategies for optimizing staff safety in a radiology department. *Radiographics.* 2013 Jan;33(1):245-61. doi: 10.1148/rg.331125174. PMID: 23322840.

Shaw JL, Knowles BR, Goldfarb JW, Manning WJ, Peters DC. Left atrial late gadolinium enhancement with water-fat separation: The importance of phase-encoding order. *J Magn Reson Imaging.* 2013 Sep 16. doi: 10.1002/jmri.24340. PMID: 24105717.

Slanetz PJ, Kung J, Eisenberg RL. Teaching radiology in the millennial era. *Acad Radiol.* 2013 Mar;20(3):387-9. doi: 10.1016/j.acra.2012.09.022. PMID: 23452486.

Sullivan EV, Müller-Oehring E, Pitel AL, Chanraud S, Shankaranarayanan A, **Alsop DC**, Rohlfing T, Pfefferbaum A. A selective insular perfusion deficit contributes to compromised salience network connectivity in recovering alcoholic men. *Biol Psychiatry.* 2013 Oct 1;74(7):547-55. doi: 10.1016/j.biopsych.2013.02.026. PMCID: PMC3766441

Tsai LL, Donohoe KJ, Stokes MK, Hauser TH, Kolodny GM, Hill TC, Parker JA. Sources of apical defects on a high-sensitivity cardiac camera: experiences from a practice performance assessment. *J Nucl Med Technol.* 2013 Sep;41(3):197-202. doi: 10.2967/jnmt.113.124198. PMID: 23949876.

Tsai J, Lee EY, Restrepo R, **Eisenberg RL.** Focal large airway anomalies and abnormalities in pediatric patients. *AJR Am J Roentgenol.* 2013 Aug;201(2):W163-73. doi: 10.2214/AJR.12.9439. PMID: 23883231.

Tsao CW, Frost LE, Fanning K, **Manning WJ, Hauser TH.** Radiation dose in close proximity to patients after myocardial perfusion imaging: potential implications for hospital personnel and the public. *J Am Coll Cardiol.* 2013 Jul 23;62(4):351-2. doi: 10.1016/j.jacc.2013.04.032. PMID: 23665101.

Tung P, Hong SN, Chan RH, Peters DC, **Hauser TH, Manning WJ**, Josephson ME. Aortic injury is common following pulmonary vein isolation. *Heart Rhythm*. 2013 May;10(5):653-8. doi: 10.1016/j.hrthm.2013.01.012. PMID: 23318348.

Vachha B, Brodoefel H, Wilcox C, Hackney DB, Moonis G. Radiation dose reduction in soft tissue neck CT using adaptive statistical iterative reconstruction (ASIR). *Eur J Radiol*. 2013 Aug 23. doi:pii: S0720-048X(13)00413-0. 10.1016/j.ejrad.2013.08.014. PMID: 24016832.

Vachha B, Cunnane MB, Mallur P, Moonis G. Losing your voice: etiologies and imaging features of vocal fold paralysis. *J Clin Imaging Sci*. 2013 Mar 29;3:15. doi: 10.4103/2156-7514.109751. PMID: PMC3690671.

Vahrmeijer AL, Hutteman M, van der Vorst JR, van de Velde CJ, **Frangioni JV**. Image-guided cancer surgery using near-infrared fluorescence. *Nat Rev Clin Oncol*. 2013 Sep;10(9):507-18. doi: 10.1038/nrclinonc.2013.123. PMID: PMC3755013.

van der Vorst JR, Schaafsma BE, Hutteman M, Verbeek FP, Liefers GJ, Hartgrink HH, Smit VT, Löwik CW, van de Velde CJ, **Frangioni JV**, Vahrmeijer AL. Near-infrared fluorescence-guided resection of colorectal liver metastases. *Cancer*. 2013 Sep;119(18):3411-8. doi: 10.1002/cncr.28203. PMID: PMC3775857.

van der Vorst JR, Schaafsma BE, Verbeek FP, Keereweer S, Jansen JC, van der Velden LA, Langeveld AP, Hutteman M, Löwik CW, van de Velde CJ, **Frangioni JV**, Vahrmeijer AL. Near-infrared fluorescence sentinel lymph node mapping of the oral cavity in head and neck cancer patients. *Oral Oncol*. 2013 Jan;49(1):15-9. doi: 10.1016/j.oraloncology.2012.07.017. PMID: PMC3608510.

van der Vorst JR, Schaafsma BE, Verbeek FP, Swijnenburg RJ, Tummers Q, Hutteman M, Hamming JF, Kievit J, **Frangioni JV**, van de Velde CJ, Vahrmeijer AL. Intraoperative Near-Infrared Fluorescence Imaging of Parathyroid Adenomas using Low-Dose Methylene Blue. *Head Neck*. 2013 May 29. doi: 10.1002/hed.23384. PMID: 23720199.

Verbeek FP, van der Vorst JR, Schaafsma BE, Swijnenburg RJ, Gaarenstroom KN, Elzevier HW, van de Velde CJ, **Frangioni JV**, Vahrmeijer AL. Intraoperative near infrared fluorescence guided identification of the ureters using low dose methylene blue: a first in human experience. *J Urol*. 2013 Aug;190(2):574-9. doi: 10.1016/j.juro.2013.02.3187. PMID: PMC3686854.

Wang X, Zhang L, O'Neill A, Bahamon B, **Alsop DC**, Mier JW, **Goldberg SN**, Signoretti S, Atkins MB, Wood CG, Bhatt RS. Cox-2 inhibition enhances the activity of sunitinib in human renal cell carcinoma xenografts. *Br J Cancer*. 2013 Feb 5;108(2):319-26. doi: 10.1038/bjc.2012.591. PMID:23322198

Wang Y, Ma Y, Zhu B, **Brook OR, Raptopoulos V**. Metal artifact reduction software must be used with caution. *Radiology*. 2013 Feb;266(2):687. doi: 10.1148/radiol.12121476. PMID: 23362100.

Watadani T, Sakai F, Johkoh T, Noma S, Akira M, Fujimoto K, **Bankier AA**, Lee KS, Müller NL, Song JW, Park JS, Lynch DA, Hansell DM, Remy-Jardin M, Franquet T, Sugiyama Y. Interobserver Variability in the CT Assessment of Honeycombing in the Lungs. *Radiology*. 2013 Mar;266(3):936-44. doi: 10.1148/radiol.12112516. PMID: 23220902.

Watanabe M, Saito N, Nadgir RN, Liao JH, **Flower EN**, Steinberg MH, Sakai O. Craniofacial bone infarcts in sickle cell disease: clinical and radiological manifestations. *J Comput Assist Tomogr*. 2013 Jan;37(1):91-7. doi: 10.1097/RCT.0b013e3182752967. PMID: 23321839.

Warraich HJ, Matyal R, Bergman R, Hess PE, Khabbaz K, **Manning WJ**, Mahmood F. Impact of Aortic Valve Replacement for Aortic Stenosis on Dynamic Mitral Annular Motion and Geometry. *Am J Cardiol*. 2013 Jul 25. doi:pii: S0002-9149(13)01435-5. 10.1016/j.amjcard.2013.06.013. PMID: 23891429.

Weingärtner S, Akçakaya M, Basha T, Kissinger KV, Goddu B, Berg S, **Manning WJ**, Nezafat R. Combined saturation/inversion recovery sequences for improved evaluation of scar and diffuse fibrosis in patients with arrhythmia or heart rate variability. *Magn Reson Med*. 2013 May 6. doi: 10.1002/mrm.24761. PMID: 23650078.

Yan RT, Miller JM, Rochitte CE, Dewey M, Niinuma H, **Clouse ME**, Vavere AL, Brinker J, Lima JA, Arbab-Zadeh A. Predictors of Inaccurate Coronary Arterial Stenosis Assessment by CT Angiography. *JACC Cardiovasc Imaging*. 2013 Aug 2. doi:pii: S1936-878X(13)00477-4. 10.1016/j.jcmg.2013.02.011. PMID: 23932641.

Yablon CM, Wu JS, Newman LR, Downie BK, **Hochman MG, Eisenberg RL**. A needs assessment of musculoskeletal fellowship training: a survey of practicing musculoskeletal radiologists. *AJR Am J Roentgenol*. 2013 Apr;200(4):732-40. doi: 10.2214/AJR.12.9105. PMID: 23521440.

Yamada K, Slanetz PJ, Boieselle PM. Perceived Benefits of a Radiology Resident Mentoring Program: Comparison of Residents with Self-Selected vs Assigned Mentors. *Can Assoc Radiol J*. 2013 Sep 18. doi:pii: S0846-5371(13)00039-9. 10.1016/j.carj.2013.04.001. PMID: 24054832.

Zhu H, **Bhadelia RA**, Liu Z, Vu L, Li H, Scott T, Bergathon P, Mwamburi M, Rosenzweig JL, Rosenberg I, Qiu WQ. The Association Between Small Vessel Infarcts and the Activities of Amyloid- β Peptide Degrading Proteases in Apolipoprotein E4 Allele Carriers. *Angiology*. 2012 Oct 23.

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