

# Radical Views...

from the Department of Radiology

Volume 7, Number 6  
**JANUARY 2015**



Beth Israel Deaconess  
Medical Center



HARVARD MEDICAL SCHOOL  
TEACHING HOSPITAL



### FROM THE CHIEF

Jonathan B. Kruskal, MD PhD

## Of note ...

This month also marks the one year anniversary of the passing of **Sven Paulin**. See **February Radical Views** for updates on Sven's legacy!

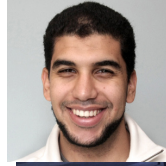
2014 Departmental Bibliography total: **179 publications (including 24 Epubs which will be in print in 2015)**, see page 11.

Check out the achievements of our **Breast Imagers!**



IR Tech Assistant **Jefferson Roach** spreads holiday cheer on the West Clinical Center

## ➤ Congratulations



Marwan Moussa



Gaurav Kumar



Muneeb Ahmed

Nahum Goldberg

I am very pleased to announce that BIDMC interventional radiology members have won the SIR/JVIR Editor's Award for Distinguished Laboratory Investigation two years in a row!

Moussa M, **Goldberg SN**, Kumar G, Sawant RR, Levchenko T, Torchilin V, **Ahmed M**. Radiofrequency ablation-induced upregulation of hypoxia-inducible factor-1 $\alpha$  can be suppressed with adjuvant bortezomib or liposomal chemotherapy. *J Vasc Interv Radiol*. 2014 Dec;25(12):1972-82. PMID: 25439675.

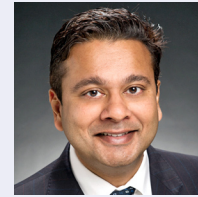
This award is supported by the Society of Interventional Radiology Foundation as acknowledgment of the essential, best-in-class research that is conducted in interventional radiology and published within JVIR. This paper was chosen by a review of all manuscripts published in 2014, voted by the editorial board members, and selected by the editor-in-chief. *The award will be presented at the SIR 2015 Annual Scientific Meeting in Atlanta March 3, 2015.*

In 2013, Dr. Ahmed and his team won the same award for: 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. PMID: 23664809; PMCID: PMC3782857.



Congratulations also to our new physicist, **Dr. Da Zhang** who joined BIDMC in September, for co-authoring the education exhibit "Radiation Dose and Image Quality for Low Dose Fecal-tagging CT Colonography: A Comparison of Electronic Cleansing between Single-energy and Dual-energy

CTC" which received a certificate of merit award; and a scientific talk, "Effect of Patient Centering Technique on In-Vitro Human Organ Doses for Abdominal CT" which was awarded a Trainee Research Prize in Chicago at at RSNA 2014.



Please welcome **Dr. Salil Soman**, our newest

faculty member in Neuroradiology.

Dr. Soman comes to BIDMC following completion of a radiology fellowship at the Radiological Sciences Laboratory (RSL) of Stanford University and which also included a research fellowship in clinical neuroscience at the War Related Illness and Injury Study Center, Dept. of Veterans Affairs (RSL).

Dr. Soman earned his MD and radiology residency training from the Robert Wood Johnson Medical School in New Brunswick, an MS in computer science at MIT, and a BA in Chemistry and public health at Johns Hopkins University, Baltimore.

In addition to his clinical work in emerging neuroimaging techniques to evaluate traumatic brain injury and clinical data system development, he has also served as webmaster in medical school and at MIT.

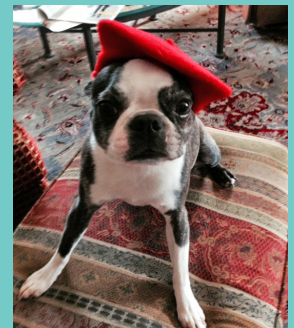
Currently he is a member of the Society for Imaging Informatics in Medicine and an ad hoc reviewer for Medical Imaging Analysis.

We look forward to taking advantage of his skills and experience at BIDMC!

Mon	Tues	Wed	Thurs	Fri
Weekly Mon Section Meetings: 3:00-4:00 ED section meeting [ED annex, WCC]		Weekly Wed Section Meetings: 11:00-12:00 MSK clinical conference 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	Friday Grand Rounds: 12 noon Sherman Auditorium, East Campus (unless stated otherwise)
			<b>1</b> 7:30 - 9:00 No conference (New Year's Day)	<b>2</b> 7:30-8:30 No conference (New Year's Day) 12:00-1:00 pm No Grand Rounds
<b>5</b> 8:00 - 9:00 Pulmonary angiography and cases (Diana Litmanovich)	<b>6</b> 7:30 - 8:15 Management of pulmonary nodules (Alexander Bankier) 8:15 - 9:00 Chest cases (Alexander Bankier)  5:00-6:30 Mentoring Meeting How to Write a research manuscript: Part 2 (Alexander Bankier) [Kirstein Living Rm]	<b>7</b> 7:30 - 9:00 Physics - MRI - modules 6 and 7 (visiting professor Dr. Georgeta Mihai)	<b>8</b> 7:30 - 9:00 TBD - possible town hall meeting (chief residents)	<b>9</b> 12:00-1:00 pm NERRS: NO Grand Rounds
<b>12</b> 7:30 - 8:15 MRI of the ovary (Karen Lee) 8:15 - 9:00 MRI of the ovary - cases (Karen Lee) 12:00-1:00 MRI Meeting [Ansin 2]	<b>13</b> 7:30 - 8:15 Fetal abnormalities (Colin Mcardle) 8:15 - 9:00 MDCT applications in the abdomen (Vassilios Raptopoulos) 10:30-11:30 NMMI meeting [GZ-103]	<b>14</b> 7:30 - 8:15 Aortic Interventions (Barry Sacks) 8:15 - 9:00 Renal angiography (Barry Sacks) 7:15-8:00 US meeting [WCC-304A]	<b>15</b> 7:30 - 8:15 Ultrasound imaging of TIPS (Robert Sheiman) 8:15 - 9:00 Renal masses (Maryellen Sun) 2:00-3:00 West MedRads - Body Senior	<b>16</b> 12:00-1:00 pm Grand Rounds: <i>How to Do a PQI Project</i> (Jonathan B. Kruskal, MD PhD)
<b>19</b> 7:30 - 9:00 No conference (Martin Luther King Day)	<b>20</b> 7:30 - 9:00 ED lecture series (TBD) 8:00-9:00 IR Meeting [West Recovery] 10:30-11:30 NMMI meeting [GZ-103]	<b>21</b> 7:30 - 9:00 ED lecture series (TBD)	<b>22</b> 7:30 - 9:00 ED lecture series (TBD)	<b>23</b> 12:00-1:00 pm Grand Rounds: Chiefs' Rounds
<b>26</b> 7:30 - 9:00 ED lecture series (TBD)	<b>27</b> 7:30 - 9:00 ED lecture series (TBD) 10:30-11:30 NMMI meeting [GZ-103]	<b>28</b> 7:30 - 9:00 ED lecture series (TBD)	<b>29</b> 7:30 - 9:00 ED lecture series (TBD) 2:00-3:00 West MedRads - Body Senior	<b>30</b> 12:00-1:00 pm Grand Rounds: The Value of Nonvascular Thoracic MRI (Jeanne Ackman, MD)

## The Gallery at WCC-304B

*Betsy Grady*, Manager,  
Diagnostic Radiology  
& Avid Traveller



The new Gallery show features Betsy Grady's mementos of her travels to Europe, including one she brought back for her own furry friend. (Thanks to Betsy Grady for allowing the rescheduling so that Kevin Donohoe could share a chronological history of his seasonal holiday cards!)

As always, please contact Donna Wolfe if you, too would like to share your photos, paintings or sculptures: [dwolfe@bidmc.harvard.edu](mailto:dwolfe@bidmc.harvard.edu) or 4-2515

## DEPARTMENTAL NEWS - JANUARY GRAND ROUNDS



Friday, January 30th, 2015  
12 noon - 1:00 PM • Sherman Auditorium

### The Value of Nonvascular Thoracic MRI

**Jeanne B. Ackman, MD** - Director of Thoracic MRI, MGH; Assistant Professor of Radiology, HMS

Dr. Ackman earned her MD from Yale University School of Medicine and completed an internship in Internal Medicine at Greenwich Hospital in Connecticut before coming to Boston for her Radiology residency and Mini-fellowship training in Pediatric Radiology at Massachusetts General Hospital. Following a fellowship in Women's Imaging at Brigham & Women's Hospital, Dr. Ackman served as a Radiology Associate at Emerson Hospital in Concord, MA between 1998 and 2007 when she returned to Mass General as an Associate Radiologist (and as a Consultant Radiologist at Spaulding Rehab, Martha's Vineyard and Nantucket Cottage Hospitals). In 2009, she was appointed Director of Thoracic MRI at Mass General and in 2014, she was promoted to Assistant professor of Radiology at HMS. In 2013, she served as Course Director and Moderator of the Thoracic Radiology and the Abdominal Radiology Programs of the New England Roentgen Ray Society (NERRS) and currently serves on the Harvard School of Public Health Leadership Council. In 2014 her "How I Do It" JTI article, "A practical guide to non-vascular thoracic magnetic resonance imaging" was selected by Lippincott Williams & Wilkins, publisher of Journal of Thoracic Imaging (JTI), as a "Hot Topic" feature, enabling more marketing and Open Access of this article.

## 2015 MENTORING MEETINGS SCHEDULE

We wanted to make the meetings easier for people to attend and so, after our ballot last year, have moved them to Tuesday evenings from 5:00-6:30 pm. Given the after hours time, we will be serving wine (along with non-alcoholic beverages!) and cheese. This will give us about 15 minutes for socializing prior to each talk, and time at the end for discussion and informal mentoring/networking. Faculty, fellows, and residents are all invited to attend.



Debbie Levine, MD,  
Vice Chair of Academic Affairs

2014-2015 Mentoring Meeting Schedule:

Nov 4, 2014	How to write a research manuscript: Part 1	Dr. Alexander Bankier	Leventhal Conference Rm
Jan 6, 2015	How to write a research manuscript: Part 2	Dr. Alexander Bankier	Kirstein Living Room
Feb 3, 2015	Designing a research study	Dr. David Alsop	Kirstein Living Room
Mar 10, 2015	Promotions at HMS at the junior faculty level. What is new? What do faculty need to know?	Dr. Carol Bates, Assistant Dean for Faculty Affairs, HMS	Kirstein Living Room
Apr 7, 2015	Sources and strategies for funding your research study	Dr. David Alsop	Kirstein Living Room
May 5, 2015	Ethics in publication of scientific research	Dr. Herbert Kressel	Kirstein Living Room
Jun 2, 2015	How to optimize your CV	Dr. Deborah Levine	Kirstein Living Room

### Body MRI celebrates Achievements of 2014

The Body MRI section had their annual Staff recognition/Holiday Party this year at the Dali Restaurant in Cambridge. It was an evening of joy, laughter, camaraderie, and great food.



Special thanks also to the clinical fellows Nadia Caplan (l) and Elena Resnick (r), and research fellow Francesco Allesandrino (middle).



The screenshot shows a web browser window displaying the ACR website. The address bar shows the URL: www.acr.org/Quality-Safety/eNews/Issue-08-December-2014/Q-and-A-Kruskal. The page features the ACR logo (American College of Radiology) and navigation menus. The main content area is titled "Q&A with Jonathan B. Kruskal, MD, PhD" and contains a quote from Jonathan B. Kruskal, MD, PhD, followed by an introduction to his role as chair of the new ACR Quality Management Committee. The article discusses the importance of the Quality Management Committee and the challenges of meeting new regulatory requirements. A sidebar on the left lists various categories under "QUALITY & SAFETY" and "eNews".

ACR  
AMERICAN COLLEGE OF  
RADIOLOGY  
QUALITY IS OUR IMAGE

Join ACR | Login | About Us | Media Center | Contact Us

Search ACR...

My ACR | ACR Catalog | Shopping Cart (0)

HOME | ANNUAL MEETING | EDUCATION | **QUALITY & SAFETY** | ADVOCACY | MEMBERSHIP | RESEARCH | NEWS & PUBLICATIONS | MEETINGS/COURSES

Home / Quality & Safety / eNews / December 2014 / Q and A

## QUALITY & SAFETY

- Accreditation
- Centers of Excellence
- Lung Cancer Screening
- Appropriateness Criteria®
- Practice Parameters
- Quality Measurement
- Radiology Data Registries
- Radiology Safety
- RADPEER™
- Additional Resources

### eNews

- December 2014
- September 2014
- June 2014
- March 2014
- December 2013
- September 2013
- June 2013
- March 2013

Contact Q&S

## Q&A with Jonathan B. Kruskal, MD, PhD

*"You shouldn't wait to be invited into the quality realm; you have to jump in yourself, knowing full well that this is a journey of many small, incremental steps. You must walk with the blinkers of your mind wide open, asking appropriate questions and looking to learn and identify where improvement opportunities are lurking."*

—Jonathan B. Kruskal, MD, PhD

In this issue, we talk with Jonathan B. Kruskal, who serves as chair of the new [ACR Quality Management Committee](#).

### Why is the Quality Management Committee important? Why now?

The timing and importance are interwoven. The ACR offers wonderful quality tools and processes, managed and populated by teams of recognized national experts and thought leaders. As outcomes metrics and the value paradigm start to permeate all aspects of our ever-changing practices, the opportunity exists now to harmonize these silo efforts, to bring leaders together and to harness and align these tools to best support practices in their continuous efforts to improve performance.

Why now? Well, the rather vague concept of "quality" has always been the "right thing to do," but the emerging value paradigm — coupled with a direct link between service quality and reimbursement — has changed the equation. It requires linking our performance to reimbursement to get radiologists genuinely interested in quality. That's all happening now!

The goal posts are moving pretty rapidly now, and the ACR wants to help the radiology community keep pace with all the regulatory changes, to understand them and to meet them.

It might sound corny, but the tide of health care reform and quality requirements is clearly rising, and one goal of this committee is to help keep ACR members afloat and to remain dry!

### Why is it critical to help members achieve the new regulatory requirements?

Quite simple really: to get paid. I've been sitting on various metrics committees for several years; and, as a whole, we have become almost paralyzed by confusion about which metrics we should be using. As a result, the regulatory groups are telling us what they think the metrics should be. The old metrics we've all been trying to meet are related to process and outcomes, but the new value paradigm requires that we do things very differently. Now is the time to focus on making that shift and rethinking the metrics by which we want to (and really should be) measured.

Help achieve, and also help formulate what we believe are metrics that reflect our contribution to the value stream. It's time to move away from process metrics such as volume and productivity and modality breakdown — because these don't reflect quality or how we impact patient outcomes or provide value at all.

What do we mean by value? What do we mean by outcomes? How can we measure outcomes? From which perspective are outcomes defined? What can we do to reduce costs? Are we willing to do this?

How can we get radiologists to understand that we have to shift from fee-for-service to impacting the entire health care system and each individual patient during his or her episode of care? These are relevant and timely questions; we have a big task ahead.

**How does what you're doing on the Quality Management Committee relate to Imaging 3.0™ and the transformation from volume to value?**

Transforming the value paradigm into practical and realistic radiologist performance metrics is one goal of our team and is a foundation of Imaging 3.0. We aim to define outcomes and value-reflecting metrics that will be the framework for radiology practices to know exactly what their targets are, and how these can be met. Together with the Informatics group, we aim to facilitate this through deployment of new point-of-care tools and easier access to currently available tools, such as registries. We aim to help practices market their excellence to their patients, local hospitals and referring physicians.

**What are your top three goals for the committee for the coming year?**

Number one is to harmonize the ACR's many quality domains. Part of that is to harness the expertise within the ACR to expand the education and training mission as well as utilization of current quality and safety tools that the ACR offers. For example, we want to transform the registries to become tools that reflect value rather than simply process metrics. We also need to look at new tools that can be used at the point of care to help radiologists provide value. A second goal is to define a process and metrics for illustrating the value that we contribute, both from diagnostic and interventional services. And we've got to be proactive, rather than reactive, in defining these metrics; or they will be defined for us. Third, we plan to build a framework to help practices develop their own quality infrastructures, for example, training the Radiology Quality Officers (RQOs) and their teams. I don't think that these are ambitious goals since we are all traveling down these paths already, albeit at different paces and in slightly different directions.

**What are you most excited about for the Quality Management Committee and the opportunity that lies ahead?**

We have a great group of true thought leaders on this team, and the opportunity to learn from them excites me. These are people with track records of being able to think outside the box and are devoted and committed to improving quality and outcomes, and to teaching others how to do this. The team consists not of talkers, but of walkers who want to and can make a difference now. Just think of that opportunity!

**Why did you choose to focus on quality and safety in your career and why are you heading up this new committee?**

My background spans many years of efforts to improve quality, safety and performance, and not all have been successful! I have led several radiology quality efforts at the section, modality and department level, and transitioned this experience up to various national societies. I truly enjoy sharing my experience with those

commencing this journey, and teaching and mentoring others already on the path. I have been able to marry this passion with an academic mission and share my project outcomes in our literature and in my role as the quality initiative section editor of RadioGraphics. The Quality Management Committee represents a natural progression in my commitment to help the radiology community strengthen its ability to enhance quality and safety and deliver better patient care.

**What advice do you have for radiologists who want to follow your path and become more involved and engaged in quality initiatives?**

Improving quality is not something one learns from lectures or reading books. You shouldn't wait to be invited into the quality realm; you have to jump in yourself, knowing full well that this is a journey of many small, incremental steps. You must walk with the blinkers of your mind wide open, asking appropriate questions and looking to learn and identify where improvement opportunities are lurking. We are literally surrounded by opportunities for improving what we do, and if you can engage your colleagues and your staff in a constructive and proactive way, that's an important step to inviting them on board. This involves teamwork, embracing a culture of seeking improvement, of willingness to admit mistakes and failures, but persisting and sharing the successes. As radiologists, we can always improve what we're doing to make it better for everybody. Along the way, we must keep our eye on the patient and remember that it's all about improving their care. A first step is to shift from the radiologist-centric model, and that's often quite a hurdle over which to help your colleagues.

Let me add that this Committee would like to facilitate the transformation of the ACR's Annual Quality Conference on Quality and Safety into a boot camp for practice and department RQOs. This will be an ideal training and mentoring ground for anybody interested in this field or who is given the responsibility for overseeing practice quality management.

*Speaking of Quality ...*

At the Dec. 19<sup>th</sup> Grand Rounds, Gold Humanism Society Representatives (and 3<sup>rd</sup> yr residents) Chip Watts and Pritesh



Mehta present the Humanism Award to the Department of Radiology's first recipient **Priscilla Slanetz** on behalf of the Gold Humanism Honor Society (GHHS). The Gold Humanism Honor Society is a national honor society that honors senior medical students, residents, role-model physician teachers and other exemplars recognized for demonstrated excellence in clinical care, leadership, compassion and dedication to service. The purpose of GHHS is to recognize the importance of humanistic care and to honor physicians who achieve this excellence.

## BREAST IMAGING ACCOMPLISHMENTS: PRISCILLA J. SLANETZ & VALERIE FEIN-ZACHARY IN THE ACR/MRS -

*We are pleased to acknowledge the tremendous amount of effort and commitment by Drs. Slanetz and Fein-Zachary to assist in the success of this legislation!*



MASSACHUSETTS RADIOLOGICAL SOCIETY, INC.  
Chapter of the American College of Radiology

Dear MRS Member,

Earlier this year, the Massachusetts Radiological Society (MRS) became aware that the legislature in this state was working on a breast density notification bill, as has been done in many other states. The MRS, with the assistance of Drs. Alan Semine, Robyn Birdwell, Phoebe Freer, **Priscilla Slanetz**, and **Valerie Fein-Zachary**, was proactive in engaging the legislature and assisting in the wording of this bill. The major issue from the perspective of the MRS was the onus of responsibility for discussion with the patient should rest with the referring physician and not the interpreting physician. There was some opposition to this concept, but this was ultimately accepted and is within the new law, Chapter 150. In addition, as the science of medicine evolves, we felt that the actual letter of notification may need to be altered as time passes. This was incorporated into the law as well and the onus for creating the text for notification rests with the Department of Public Health (DPH), and may be altered as time passes without legislative intervention. The DPH is therefore charged with promulgating regulations to implement the new law. This new law is attached and goes into effect on 1 January, 2015 - assuming that DPH has created a regulatory or guidance process at that time.

The MRS has worked with the Massachusetts Hospital Association (MHA) over the last few months and has created a template letter of notification that we believe meets the intent of this law. As the majority of mammography services in Massachusetts are hospital based, we want to ensure that the notification is acceptable to the institutions responsible for these services. The template letter has been given to DPH. **[See right]**

Over the last few days, we have received indications from DPH that, as a letter of notification to the patient for mammography results is already required, they will not, at least at this point in time, be issuing any regulations for breast density notification. This therefore can be interpreted to mean that breast density notification requirement will go into effect as planned. We, following consultation with the MHA, feel that as of 1 January, providers of mammography services will be required to notify patients of their breast density.

The committee of breast imagers above believe that although breast density notification is only required for those patients with heterogeneously dense breasts and extremely dense breasts, the recommendation is to notify all patients of their breast density to ensure that no one slips through the cracks. This can be done by adding language referable to breast density to the BI-RADS result letter that is already being sent to every patient. The general template described above adds useful information for the patient and should be given to the patient along with the result and breast density notification letter.

Please note that the website referenced in the general template is a work in progress that we hope to have operational in the near future.

The MHA is also sending an advisory with respect to this turn of events to its membership. We will keep you informed of any additional information as it becomes available.

Sincerely,

Philip Rogoff, MD, FACR, FSIR.  
President, Massachusetts Radiological Society

Template Letter:

Dear \_\_\_\_\_,

Massachusetts law now requires any patient whose recent mammogram shows dense breast tissue to receive more information about what this means and where to find answers to additional questions.

The appearance of breast tissue on mammograms ranges on a continuum from fatty to dense. If your mammogram report describes your breasts as being dense, this means that there is more fibrous and glandular tissue in your breasts than there is fatty tissue. This is a normal pattern that is seen in 40 to 50% of women. If you would like to learn more about breast density and screening, useful information is available at the following website: [www.breast.massrad.org](http://www.breast.massrad.org).

While dense breast tissue is a common and normal finding on a mammogram, it may limit our ability to detect breast cancer and may indicate an increased risk of breast cancer. However, it is important to know that having dense breasts is not abnormal.

Following our regular procedures, a copy of your mammogram report has been sent to your primary care provider to be included in your medical record. Included in this report is a description of the density of your breast tissue. You may want to make an appointment with your primary care provider to discuss your test results. It is possible that an additional screening examination such as breast ultrasound or breast MRI may be appropriate even if your breasts are not dense. Your provider considers several risk factors such as family history and results of prior breast biopsies before determining if additional screening should occur. You may also contact your radiologist with any questions. Please be aware that any additional screening examinations are subject to the coverage and notice rules required by your health insurance plan, so we also urge you to check with your insurance carrier before scheduling any additional screening.

***Regardless of breast density, mammography remains the most important examination to screen for breast cancer so please ensure that you continue having an annual mammography.***

Sincerely,  
Your radiologist

**Chapter 150 AN ACT RELATIVE TO BREAST CANCER EARLY DETECTION**

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same as follows:

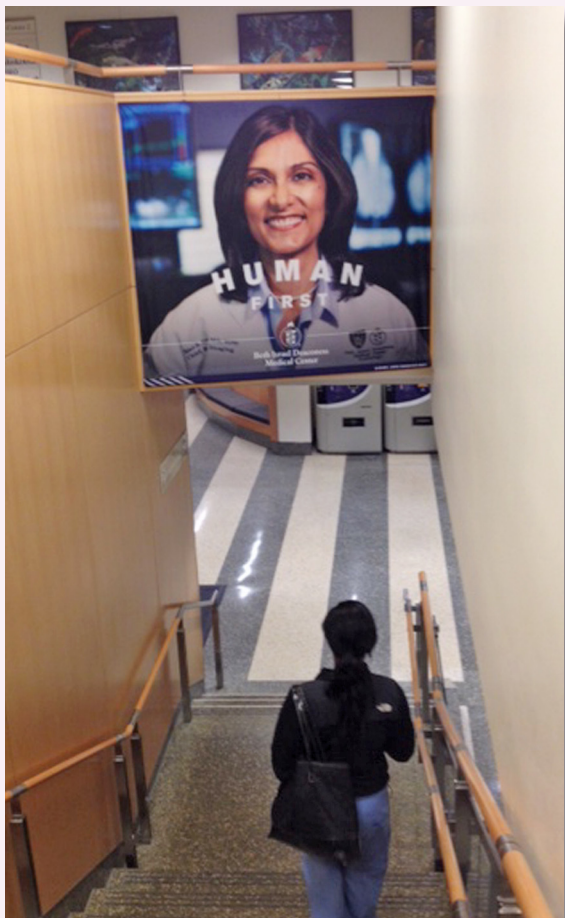
**SECTION 1.** Subsection (b) of [section 5Q of chapter 111 of the General Laws](#), as appearing in the 2012 Official Edition, is hereby amended by adding the following paragraph:-

Every provider of mammography services shall, if a patient's mammogram reveals dense breast tissue, as determined by the interpreting physician based on standards promulgated by the American College of Radiology, provide written notification to the patient, in terms easily understood by a lay person. The notification shall include, at minimum, the following information:

- (1) that the patient's mammogram shows dense breast tissue;
- (2) that the degree of density apparent and an explanation of that degree of density;
- (3) that dense breast tissue is common and not abnormal but that dense breast tissue may increase the risk of breast cancer;
- (4) that dense breast tissue can make it more difficult to find cancer on a mammogram and that additional testing may be needed for reliable breast cancer screening;
- (5) that additional screening may be advisable and that the patient should discuss the results of the mammogram with the patient's referring physician or primary care physician;
- (6) that the patient has the right to discuss the results of the patient's mammogram with the interpreting radiologist or the referring physician;
- (7) that a report of the patient's mammogram has been sent to the referring physician and will become part of the patient's medical record; and
- (8) where the patient can find additional information about dense breast tissue.

**SECTION 2.** The department of public health shall promulgate regulations to implement the second paragraph of subsection (b) of [section 5Q of chapter 111 of the General Laws](#) by January 1, 2015.

*Approved, June 26, 2014.*



# HUMAN FIRST

*"At the heart of everything we do at Beth Israel Deaconess Medical Center is a fervent belief that before patients are patients, they are people. We don't see MRI number 137. We don't see a label on a test tube. We don't see a case of the flu. We see a mother who's planning her son's graduation party, a teacher with a classroom full of kids waiting for her return, a grandpa who never misses his granddaughter's piano recitals.*

*What we do every day at BIDMC makes a difference in people's lives. That's why we are passionate about caring for our patients like they are family, finding new cures, using the finest and the latest technologies, and teaching and inspiring caregivers of tomorrow.*

*We put people at the center of everything we do. Because we believe in medicine that puts people first."*

– <http://www.bidmc.org/About-BIDMC/BIDMC-Campaign.aspx>

We were pleased to see that **Tejas Mehta**, our Chief of Breast Imaging was chosen by the hospital to illustrate our commitment to patient care in the large Human First philosophy campaign. Her image is mounted in the Shapiro Clinical Center first floor staircase and she joins a group of employees honored to represent BIDMC.

## BREAST IMAGING ACCOMPLISHMENTS: JORDANA PHILLIPS' CESM PROGRAM

On December 18, 2014, with Dr. Jordana Phillips as principal investigator, our IRB approved, dual-energy contrast-enhanced digital spectral mammography (CESM) program at BIDMC came to fruition. We are excited to be the only site in New England offering this relatively new technology.

Our research study is being done to test how well CESM compares to MRI in screening for breast cancer in high risk women. In the preliminary studies performed in women already diagnosed with breast cancer, CESM was shown to have a similar sensitivity for finding breast cancer but detected fewer of the benign findings which would result in fewer unnecessary biopsies. It is also a faster and less expensive exam compared to MRI. CESM was FDA approved in 2011 to be used as a tool to help work-up abnormalities seen on standard mammography and ultrasound. We believe that CESM will also be a beneficial tool to screen high risk patients for breast cancer and possibly replace MRI in the future.

Jordana and I would like to personally thank the research group and Radiology department for supporting this project, and thank all of the many individuals in the section, department and institution who helped make this project a reality. We look forward to updating you on our progress and results.

Sincerely,

Tejas S. Mehta, MD MPH  
Chief, Breast Imaging  
Co-Director, BreastCare Center



Jordana Phillips with mammogram and CESM.



CESM nursing and research team: Rita Monahan-Early, research coordinator; Jordana Phillips, PI; and research nurses Audrey Nathanson, RN and Wendy Hori, RN.

## BREAST IMAGERS ENJOY TEACHING AT THE HMS CME CLINICAL MRI 2014, MARRIOTT LONG WHARF HOTEL



Guest faculty Steven Poplack (Dartmouth-Hitchcock Medical Center), Vandana Dialani, Valerie Fein-Zachary, Eren Yeh (BWH), Tejas Mehta and Priscilla Slanetz (course co-director) at the Boston Marriott Long Wharf Hotel December 17-19, 2014.

**HARVARD MEDICAL SCHOOL**  
Department of Continuing Education

**Beth Israel Deaconess Medical Center**  
Department of Radiology

Harvard Medical School CME:  
**Clinical MRI 2014**  
From Structure to Function

Wednesday - Friday  
**December 17 - 19, 2014**  
Boston Marriott Long Wharf  
Boston, MA

**Guest Faculty**  
Mauricio Castillo • Emmanuel Kanal  
John Leyendecker • Neel Madan  
Steven Poplack • David Rubin • Jorge Soto

**Course Co-Directors**  
Mary Hochman • Koenraad J. Mortele  
Rafael Rojas • Priscilla J. Slanetz



## RADIOLOGY IN THE COMMUNITY -

Dec 9, 2014 - First of all, I would like to sincerely thank all of you who have already made donations to my BIDMC fundraising account with regards to the 2015 Boston Marathon. Because of you, I have currently reached 27% of my fundraising goal which is fantastic! Needless to say, I would love to raise more money for the annual BIDMC fund and truly hope I can count on your contributions. Here is the link again: <https://www.crowdraise.com/TeamBIDMC2015/fundraiser/koenraadmortele>

This week, my 20-week prep schedule kicked off and today we have our first "team" meeting. Let's say that I am currently already very comfortable running 27% of the distance....and as the contributions go up my confidence level will go up too...!)

Thanks again for all the support,  
- Koenraad



BENEFITING: BIDMC  
ORGANIZER: BIDMC  
EVENT: 2015 Boston  
Marathon  
EVENT DATE: Apr 20, 2015  
THE STORY:

Hi all,

I am very excited to be accepted to the BIDMC Boston Marathon Team in 2015 and will be fundraising for the Beth

Israel Deaconess Medical Center Annual Fund! For the past 3 years, I have been working as the Clinical Director of MRI in the Department of Radiology at BIDMC and have been truly amazed by the quality of care that is being offered here. Every day, patients are being evaluated, diagnosed, and treated with the highest standards and I am proud to be a member of this incredible Institution and Department. By partaking in the Boston Marathon as a member of the BIDMC Team, I feel comforted that all of the money I raise will go directly to the support of the patients at BIDMC.

In addition to being motivated to run for the patients at BIDMC, I am personally very excited to be running the marathon for two specific reasons. Firstly, although running has always been one of my favorite "outlets" I never have found the time and courage to sign up for such an endeavor. I know now, however, that finishing the Boston Marathon in 2015 will make me a healthier and stronger person and hopefully inspire people around me. Secondly, during my recent time at BIDMC, I have had the unfortunate experience to see my dad pass away and some of my friends and colleagues fall ill, unexpectedly. I want to complete the Boston Marathon in 2015 in their honor and support and they will be in my thoughts all the way, 26.2 miles long.

I hope that you will consider supporting my fundraising efforts and help me reach my fundraising goal of \$7,500. The quality of the care that is occurring at BIDMC is truly outstanding, and with your support, it can continue benefitting the patients we all care about so much.

Thank you so much!!

Sincerely,  
- Koenraad

2015 BOSTON MARATHON | John Hancock

crowdrise Login

# 2015 BOSTON MARATHON

KOENRAAD MORTELE'S FUNDRAISER: TEAM BIDMC 2015

**TEAM BIDMC**  
TREAD STRING

**BENEFITING:** BIDMC  
**ORGANIZER:** BIDMC  
**EVENT:** 2015 Boston Marathon  
**EVENT DATE:** APR 20, 2015  
**DAYS TO GO:** 123  
**THE STORY:**  
Hi all,  
I am very excited to be accepted to the BIDMC Boston Marathon Team in 2015 and will be fundraising for the Beth Israel Deaconess Medical Center Annual Fund! For the past 3 years, I have been working as the Clinical Director of MRI in the Department of Radiology at BIDMC and have been truly amazed by the quality of care that is being offered here. Every day, patients are being evaluated, diagnosed, and treated with the highest standards and I am proud to be a member of this incredible Institution and Department. By partaking in the Boston Marathon as a member of the BIDMC Team, I feel comforted that all of the money I raise will go directly to the support of the patients at BIDMC.

**DONATE TO THIS FUNDRAISER**

**\$3,356**  
MONEY RAISED

49% Raised of \$7,500 Goal

**FUNDRAISE FOR THIS CAMPAIGN**

**THE TEAM: \$52,530** TOTAL RAISED SO FAR

Team Member	Amount Raised
REBECCA LEFCOURT	\$8,582
ORAN BRADLEY	\$5,968
MARISSA MONACO	\$3,550
KOENRAAD MORTELE	\$3,356



## Where in the world is ... Verena Stinshoff, MD

Verena Stinshoff, MD - former interventional radiology research fellow

at BIDMC under Dr. Elvira Lang, now part of Doctors Without Borders and stationed in Papua, New Guinea.



From the bits and pieces you read on facebook you know that I have been working in Papua New Guinea for the last four years. I started working there with Doctors without Borders at a small bush hospital as the only doctor for 300,000 people. We see a lot of trauma due to the high level of violence, domestic and tribal fighting, with spear, arrow and ax wounds.

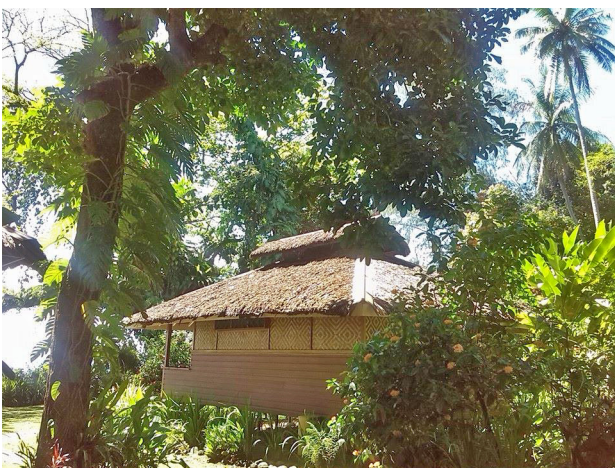
On average we conduct 8-9 amputations due to fighting wounds a day at the hospital. It is a very different place. I am also taking care of the national HIV program, travelling throughout the country by boat, helicopter and trekking to very remote places deep in the bush. It is a very adventures life and I love it!



Delicious fresh organic veggies at Goroka market



Out and about in Hela, a province of Papua, New Guinea



Left: Walindi resort, new Britain, Papua, New Guinea - definitely ranking quite high on my top ten best bamboo huts in the world...

## KOMMUNITY KORNER: Harrington to Open Urgent Care in Charlton, MA



**Jeffrey Bernard, RT**  
Manager, Community  
Radiology Network Services

Harrington HealthCare System is extending "Total Local Care" beyond its emergency rooms and primary care offices and into urgent care. Following the recent approval of a plan presented to its Board of Directors, Harrington is planning to convert its space in Charlton into an Urgent Care Center that is expected to open in the spring of 2015. Harrington will relocate its Wound Care program at the Charlton location and we will capitalize on its existing radiology and lab services that will remain at the site.

"We performed careful due diligence, and our research found that Charlton is an ideal location for urgent care given its demographics of residents and employers and its close proximity to towns like Oxford, Dudley, and Spencer," says Ed Moore.

He adds, "There are many reasons why urgent care is such a vital, emerging trend. The benefits of urgent care include walk-in service, especially after-hours and on weekends; lower co-pays compared to emergency departments; and integration with primary care physicians through electronic medical records. By opening a new center, we also have an opportunity to create more jobs and add a direct new source of hospital revenue." Moore projects that the new center will treat more than 8,000 patients its first year and then increase volume to 10,000 in the following year. The center, he says, will provide access for acute illness and injuries that are beyond the scope and availability of primary care providers and retail clinics.

Jim Waddick, the Board Chair of Harrington HealthCare System, said, the Urgent Care Center will fill a void in the community and build on Harrington's continuum of care.

"As Harrington expands its role as a major regional healthcare system, we are always looking for ways to bring quality, accessible, and affordable care to patients close to where they live and work," says Waddick. "Urgent care is another example of how we are furthering our mission of bringing Total Local Care, or TLC, to more and more patients."



**2015 BIDMC Radiology Publications** - A PubMed search for new BIDMC publications is made each month; however, if we miss your paper, please send the reference to [dwolfe@bidmc.harvard.edu](mailto:dwolfe@bidmc.harvard.edu).

Note that Epub dates are included only in publications where the Epub and paper publication dates occur in different years, i.e., Epub in 2013 and paper publication in 2014.

**Boiselle PM, Reddy GP.** Reviewer awards and acknowledgements editors' recognition awards for distinction in reviewing in 2014. *J Thorac Imaging*. 2015 Jan;30(1):14. doi: 10.1097/RTI.000000000000126. PMID: 25525779.

**Boiselle PM.** Celebrating 30 years of the journal of thoracic imaging. *J Thorac Imaging*. 2015 Jan;30(1):1. doi: 10.1097/RTI.0000000000000129. PMID: 25525776.

**Brook OR, Romero J, Brook A, Kruskal JB, Yam CS, Levine D.** The complementary nature of peer review and quality assurance data collection. *Radiology*. 2015 Jan;274(1):221-9. doi: 10.1148/radiol.14132931. Epub 2014 Sep 1. PMID: 25188432.

**Chadashvili T, Ghosh E, Fein-Zachary V, Mehta TS, Venkataraman S, Dialani V, Slanetz PJ.** Nonmass Enhancement on Breast MRI: Review of Patterns With Radiologic-Pathologic Correlation and Discussion of Management. *AJR Am J Roentgenol*. 2015 Jan;204(1):219-27. doi: 10.2214/AJR.14.12656. PMID: 25539260.

**Ha D, Dialani V, Mehta TS, Keefe W, Iuanow E, Slanetz PJ.** Mucocele-like lesions in the breast diagnosed with percutaneous biopsy: is surgical excision necessary? *AJR Am J Roentgenol*. 2015 Jan;204(1):204-10. doi: 10.2214/AJR.13.11988. PMID: 25539258.

**Rybicki FJ, Mather RT, Kumamaru KK, Brinker J, Chen MY, Cox C, Matheson MB, Dewey M, DiCarli MF, Miller JM, Geleijns J, George RT, Paul N, Texter J, Vavere A, Yaw TS, Lima JA, Clouse ME.** Comprehensive Assessment of Radiation Dose Estimates for the CORE320 Study. *AJR Am J Roentgenol*. 2015 Jan;204(1):W27-36. doi: 10.2214/AJR.13.12375. PMID: 25539270.

## 2014 BIDMC Radiology Publications - 179 Total (including 24 Epubs which will be in print in 2015)

A PubMed search for new BIDMC publications is made each month; however, if we miss your paper, please send the reference to [dwolfe@bidmc.harvard.edu](mailto:dwolfe@bidmc.harvard.edu).

Note that Epub dates are included only in publications where the Epub and paper publication dates occur in different years, i.e., Epub in 2013 and paper publication in 2014. **Note the citations in blue which were found after Dec 24, 2014 in PubMed.**

**Agarwal MD, Levenson RB, Siewert B, Camacho MA, Raptopoulos V.** Limited added utility of performing follow-up contrast-enhanced CT in patients undergoing initial non-enhanced CT for evaluation of flank pain in the emergency department. *Emerg Radiol.* 2014 Aug 1. PMID: 25082439.

**Ahmed M,** Solbiati L, Brace CL, Breen DJ, Callstrom MR, Charboneau JW, Chen MH, Choi BI, de Baère T, Dodd GD 3rd, Dupuy DE, Gervais DA, Gianfelice D, Gillams AR, Lee FT Jr, Leen E, Lencioni R, Littrup PJ, Livraghi T, Lu DS, McGahan JP, Meloni MF, Nikolic B, Pereira PL, Liang P, Rhim H, Rose SC, Salem R, Sofocleous CT, Solomon SB, Soulen MC, Tanaka M, Vogl TJ, Wood BJ, **Goldberg SN**; International Working Group on Image-guided Tumor Ablation, Interventional Oncology Sans Frontières Expert Panel, Technology Assessment Committee of the Society of Interventional Radiology, and the Standard of Practice Committee of the Cardiovascular and Interventional Radiological Society of Europe. Image-guided Tumor Ablation: Standardization of Terminology and Reporting Criteria-A 10-Year Update. *Radiology.* 2014 Oct;273(1):241-60. doi: 10.1148/radiol.14132958. PMID: 24927329.

**Ahmed M,** Solbiati L, Brace CL, Breen DJ, Callstrom MR, Charboneau JW, Chen MH, Choi BI, de Baère T, Dodd GD 3rd, Dupuy DE, Gervais DA, Gianfelice D, Gillams AR, Lee FT Jr, Leen E, Lencioni R, Littrup PJ, Livraghi T, Lu DS, McGahan JP, Meloni MF, Nikolic B, Pereira PL, Liang P, Rhim H, Rose SC, Salem R, Sofocleous CT, Solomon SB, Soulen MC, Tanaka M, Vogl TJ, Wood BJ, **Goldberg SN**; International Working Group on Image-Guided Tumor Ablation; Interventional Oncology Sans Frontières Expert Panel; Technology Assessment Committee of the Society of Interventional Radiology; Standard of Practice Committee of the Cardiovascular and Interventional Radiological Society of Europe. Image-guided tumor ablation: standardization of terminology and reporting criteria-a 10-year update. *J Vasc Interv Radiol.* 2014 Nov;25(11):1691-1705.e4. doi: 10.1016/j.jvir.2014.08.027. PMID: 25442132.

**Ahmed M;** Technology Assessment Committee of the Society of Interventional Radiology. Image-guided tumor ablation: standardization of terminology and reporting criteria-a 10-year update: supplement to the consensus document. *J Vasc Interv Radiol.* 2014 Nov;25(11):1706-8. doi: 10.1016/j.jvir.2014.09.005. PMID: 25442133.

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.* 2014 Sep;72(3):629-39. doi: 10.1002/mrm.24963. Epub 2013 Oct 7. PMID: 24123058; PMCID: PMC3979508.

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.* 2014 Jun;71(6):2172-9. doi: 10.1002/mrm.24874. Epub 2013 Jul 30. PMID: 23900942; PMCID: PMC3870033.

Al-Hawary MM, Francis IR, Chari ST, Fishman EK, Hough DM, Lu DS, Macari M, Megibow AJ, Miller FH, **Mortele KJ,** Merchant NB, Minter RM, Tamm EP, Sahani DV, Simeone DM. Pancreatic ductal adenocarcinoma radiology reporting template: consensus statement of the society of abdominal radiology and the american pancreatic association. *Gastroenterology.* 2014 Jan;146(1):291-304.e1. doi: 10.1053/j.gastro.2013.11.004. PMID: 24355035.

Al-Hawary MM, Francis IR, Chari ST, Fishman EK, Hough DM, Lu DS, Macari M, Megibow AJ, Miller FH, **Mortele KJ,** Merchant NB, Minter RM, Tamm EP, Sahani DV, Simeone DM. Pancreatic ductal adenocarcinoma radiology reporting template: consensus statement of the society of abdominal radiology and the american pancreatic association. *Radiology.* 2014 Jan;270(1):248-60. doi: 10.1148/radiol.13131184. PMID: 24354378.

Alkalay RN, **Burstein D,** Westin CF, Meier D, **Hackney DB.** MR diffusion is sensitive to mechanical loading in human intervertebral disks ex vivo. *J Magn Reson Imaging.* 2014 Jun 3. doi: 10.1002/jmri.24624. [Epub ahead of print] PMID: 24889510.

**Alsop DC,** Detre JA, Golay X, Günther M, Hendrikse J, Hernandez-Garcia L, Lu H, Macintosh BJ, Parkes LM, Smits M, van Osch MJ, Wang DJ, Wong EC, Zaharchuk G. Recommended implementation of arterial spin-labeled perfusion MRI for clinical applications: A consensus of the ISMRM perfusion study group and the European consortium for ASL in dementia. *Magn Reson Med.* 2014 Apr 8. doi: 10.1002/mrm.25197. PMID: 24715426; PMCID: PMC4190138.

**Anderson TJ,** Atalay MK, Grand DJ, Baird GL, Cronan JJ, Beland MD. Management of nodules with initially nondiagnostic results of thyroid fine-needle aspiration: can we avoid repeat biopsy? *Radiology.* 2014 Sep;272(3):777-84. doi: 10.1148/radiol.14132134. PMID: 24749714.

Andriyanov AV, Koren E, Barenholz Y, **Goldberg SN.** Therapeutic Efficacy of Combining PEGylated Liposomal Doxorubicin and Radiofrequency (RF) Ablation: Comparison between Slow-Drug-Releasing, Non-Thermosensitive and Fast-Drug-Releasing, Thermosensitive Nano-Liposomes. *PLoS One.* 2014 May 1;9(5):e92555. doi: 10.1371/journal.pone.0092555. eCollection 2014. PMID: 24786533; PMCID: PMC4006748.

Anter E, Silverstein J, Tschabrunn CM, Shvilkin A, Haffajee CI, Zimetbaum PJ, Buxton AE, Josephson ME, Gelfand E, **Manning WJ.** Comparison of intracardiac echocardiography and transesophageal echocardiography for imaging of the right and left atrial appendages. *Heart Rhythm.* 2014 Nov;11(11):1890-7. doi: 10.1016/j.hrthm.2014.07.015. PMID: 25034183.

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.* 2014 Feb;270(2):416-24. doi: 10.1148/radiol.13130349. Epub 2013 Oct 28. PMID: 24126371.

Appelbaum E, **Manning WJ.** Left atrial fibrosis by late gadolinium enhancement cardiovascular magnetic resonance predicts recurrence of atrial fibrillation after pulmonary vein isolation: do you see what I see? *Circ Arrhythm Electrophysiol.* 2014 Feb 1;7(1):2-4. doi: 10.1161/CIRCEP.114.001354. PMID: 24550404.

Ashitate Y, Hyun H, Kim SH, Lee JH, Henary M, **Frangioni JV,** Choi HS. Simultaneous mapping of pan and sentinel lymph nodes for real-time image-guided surgery. *Theranostics.* 2014 Apr 24;4(7):693-700. doi: 10.7150/thno.8721. eCollection 2014. PMID: 24883119; PMCID: PMC4038751.

Avadhani R, Fowler K, Barbato C, Thomas S, Wong W, Paul C, Aksakal M, **Hauser TH,** Weinger K, Goldfine AB. Glycemia and cognitive function in metabolic syndrome and coronary heart disease. *Am J Med.* 2014 Sep 11. pii: S0002-9343(14)00791-8. doi: 10.1016/j.amjmed.2014.08.025. PMID: 25220612.

**Barille ME, Wu JS, McMahon CJ.** Femoral head avascular necrosis: a frequently missed incidental finding on multidetector CT. *Clin Radiol.* 2014 Mar;69(3):280-5. doi: 10.1016/j.crad.2013.10.012. Epub 2013 Dec 2. PMID: 24295736.

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.* 2014 Sep;72(3):689-98. doi: 10.1002/mrm.24977. Epub 2013 Oct 7. PMID: 24123153; PMCID: PMC3979504.

**Beard RE, Yee EU, Morteale KJ, Khwaja K.** Multicystic biliary hamartoma: A report of a rare entity and a review of the literature. *Int J Surg Case Rep.* 2014;5(12):919-23. doi: 10.1016/j.ijscr.2014.10.014. Epub 2014 Oct 17. PMID: 25460436.

**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.* 2014 Feb;12(1):55-62. doi: 10.1016/j.clgc.2013.07.006. Epub 2013 Oct 19. PMID: 24145001.

Beland MD, **Anderson TJ**, Atalay MK, Grand DJ, Cronan JJ. Resident experience increases diagnostic rate of thyroid fine-needle aspiration biopsies. *Acad Radiol.* 2014 Nov;21(11):1490-4. [Education Issue] doi: 10.1016/j.acra.2014.06.006. PMID: 25088838.

**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.* 2014 Feb;11(2):180-4. doi: 10.1016/j.jacr.2013.04.017. Epub 2013 Jun 25. PMID: 23809171.

Black WC, Gareen IF, Soneji SS, Sicks JD, Keeler EB, Aberle DR, Naeim A, Church TR, Silvestri GA, Gorelick J, Gatsonis C; National Lung Screening Trial Research Team [**Boiselle PM**, collaborator]. Cost-effectiveness of CT screening in the National Lung Screening Trial. *N Engl J Med.* 2014 Nov 6;371(19):1793-802. doi: 10.1056/NEJMoa1312547. PMID: 25372087.

Boellaard R, Delgado-Bolton R, Oyen WJ, Giammarile F, Tatsch K, Eschner W, Verzijlbergen FJ, Barrington SF, Pike LC, Weber WA, Stroobants S, Delbeke D, **Donohoe KJ**, Holbrook S, Graham MM, Testanera G, Hoekstra OS, Zijlstra J, Visser E, Hoekstra CJ, Pruim J, Willemsen A, Arends B, Kotzerke J, Bockisch A, Beyer T, Chiti A, Krause BJ. FDG PET/CT: EANM procedure guidelines for tumour imaging: version 2.0. [Epub ahead of print] *Eur J Nucl Med Mol Imaging.* 2014 Dec 2. PMID: 25452219.

Bogusz AM, Joyce R, **Kolodny G**, Buck T, Pihan G, Bhargava P. An unusual patient with shortness of breath--clinical, radiologic, and pathologic pitfalls. *Am J Hematol.* 2014 May;89(5):558-63. doi: 10.1002/ajh.23689. PMID: 24496963.

**Boiselle PM.** A new year brings new opportunities. *J Thorac Imaging.* 2014 Jan;29(1):1. doi: 10.1097/RTI.000000000000063. PMID: 24361972.

**Boiselle PM.** "Readers' opinion". *J Thorac Imaging.* 2014 Mar;29(2):67. doi: 10.1097/RTI.000000000000074. PMID: 24552881.

**Boiselle PM.** Lung cancer screening: narrowing the gaps. *J Thorac Imaging.* 2014 Sep;29(5):259. doi: 10.1097/RTI.0000000000000104. PMID: 25100143.

**Boiselle PM, Bluemke D, Moon J, Wince WB.** Expert opinion: how and when to perform cardiac magnetic resonance myocardial t1 mapping. *J Thorac Imaging.* 2014 May;29(3):133. doi: 10.1097/RTI.000000000000085. PMID: 24743857.

**Boiselle PM, Chiles C, Patz E, Tammemägi M, Wood DE.** Expert Opinion: United States Preventive Services Task Force Recommendation on Screening for Lung Cancer. *J Thorac Imaging.* 2014 Jul;29(4):197. PMID: 24905632.

**Boiselle PM, Collins J, Sosna J, Woodcock R.** Expert Opinion: What is the Greatest Challenge or Barrier for Performing Peer Review in Cardiothoracic Imaging? *J Thorac Imaging.* 2014 Sep;29(5):261. doi: 10.1097/RTI.0000000000000103. PMID: 25100142.

**Boiselle PM, Henzler T, Sodickson A, Tack D.** Expert Opinion: Submillisievert Cardiothoracic CT Imaging in Daily Practice. *J Thorac Imaging.* 2014 Nov;29(6):317. doi: 10.1097/RTI.0000000000000117. PMID: 25340387.

**Boiselle PM, Nensa F, Ohno Y, Torigian DA.** Expert Opinion: Which Cardiothoracic Imaging Applications of PET/CT are Most Likely to be Replaced by PET/MRI? *J Thorac Imaging.* 2014 Jan;29(1):3. doi: 10.1097/RTI.000000000000066. PMID: 24322909.

**Boiselle PM, Reddy GP.** Reviewer awards and acknowledgements editors' recognition awards for distinction in reviewing in 2013. *J Thorac Imaging.* 2014 Jan;29(1):2. doi: 10.1097/RTI.000000000000065. PMID: 24361973.

**Boiselle PM, White CS, Ravenel JG.** Computed tomographic screening for lung cancer: current practice patterns at leading academic medical centers. *JAMA Intern Med.* 2014 Feb 1;174(2):286-7. doi: 10.1001/jamainternmed.2013.12693. PMID: 24322527.

**Brennan IM, Faintuch S, Sacks B.** Superselective splenic artery embolization for the management of splenic laceration following colonoscopy. *Acta Radiol Short Rep.* 2014 Apr 23;3(3):2047981614524199. doi: 10.1177/2047981614524199. PMID: 25298862; PMCID: PMC4184410.

**Brook OR, Abadi S, Shreiber R, Engel A, Mendiratta-Lala M, Brook A, Sheiman RG.** Calcium score: semiautomatic calculation using different vendors versus fully automatic software. *J Comput Assist Tomogr.* 2014 May-Jun;38(3):434-8. doi: 10.1097/RCT.000000000000063. PMID: 24681862.

**Brook OR, Mullan CP, Mendiratta-Lala M, Joyce R, Sheiman R, Brook A, Siewert B.** Pancreatic atrophy in patients with chronic graft-versus-host disease. *Abdom Imaging.* 2014 Apr;39(2):342-7. doi: 10.1007/s00261-013-0072-y. PMID: 24441578.

**Brook OR, Brook A, Vollmer CM, Kent TS, Sanchez N, Pedrosa I.** Structured Reporting of Multiphase CT for Pancreatic Cancer: Potential Effect on Staging and Surgical Planning. *Radiology.* 2014 Oct 3;140206. [Epub ahead of print] PMID: 25286323.

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-elastasonography of solid thyroid nodules: assessment of diagnostic efficacy and interobserver variability in a large patient cohort. *Eur Radiol.* 2014 Jan;24(1):143-50. doi: 10.1007/s00330-013-2991-y. PMID: 23979108.

Carter BW, Tomiyama N, Bhora FY, Rosado de Christenson ML, Nakajima J, **Boiselle PM**, Detterbeck FC, Marom EM. A modern definition of mediastinal compartments. *J Thorac Oncol.* 2014 Sep;9(9 Suppl 2):S97-S101. doi: 10.1097/JTO.0000000000000292. PMID: 25396318.

Chang PT, Lee EY, Restrepo R, **Eisenberg RL.** Gastrointestinal tract filling defects in pediatric patients. *AJR Am J Roentgenol.* 2014 Jul;203(1):W3-13. doi: 10.2214/AJR.13.12421. Review. PMID: 24951227.

Chan RH, Maron BJ, Olivetto I, Pencina MJ, Assenza GE, Haas T, Lesser JR, Gruner C, Crean AM, Rakowski H, Udelson JE, Rowin E, Lombardi M, Cecchi F, Tomberli B, Spirito P, Formisano F, Biagini E, Rapezzi C, De Cecco CN, Autore C, Cook EF, Hong SN, Gibson CM, **Manning WJ**, Appelbaum E, Maron MS. Prognostic value of quantitative contrast-enhanced cardiovascular magnetic resonance for the evaluation of sudden death risk in patients with hypertrophic cardiomyopathy. *Circulation.* 2014 Aug 5;130(6):484-95. doi: 10.1161/CIRCULATIONAHA.113.007094. PMID: 25092278.

Chen PH, **Slanetz PJ**. Incremental clinical value of ultrasound in men with mammographically confirmed gynecomastia. *Eur J Radiol*. 2014 Jan;83(1):123-9. doi: 10.1016/j.ejrad.2013.09.021. Epub 2013 Oct 6. PMID: 24161780.

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*. 2014 Apr;39(4):895-900. doi: 10.1002/jmri.24239. Epub 2013 Oct 7. PMID: 24123369; PMCID: PMC3961548.

Chuang ML, Gona P, Oyama-Manabe N, Manders ES, Salton CJ, Hoffmann U, **Manning WJ**, O'Donnell CJ. Risk factor differences in calcified and noncalcified aortic plaque: the Framingham Heart Study. *Arterioscler Thromb Vasc Biol*. 2014 Jul;34(7):1580-6. doi: 10.1161/ATVBAHA.114.303600. PMID: 24833796; PMCID: PMC4099001.

Conwell DL, Lee LS, Yadav D, Longnecker DS, Miller FH, **Mortele KJ**, Levy MJ, Kwon R, Lieb JG, Stevens T, Toskes PP, Gardner TB, Gelrud A, Wu BU, Forsmark CE, Vege SS. American pancreatic association practice guidelines in chronic pancreatitis: evidence-based report on diagnostic guidelines. *Pancreas*. 2014 Nov;43(8):1143-62. doi: 10.1097/MPA.0000000000000237. PMID: 25333398.

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*. 2014 Nov;73(11):1935-41. doi: 10.1136/annrheumdis-2012-203083. Epub 2013 Jul 19. PMID: 23873880.

Crema MD, Hunter DJ, **Burstein D**, Roemer FW, Li L, Krishnan N, Marra MD, Hellio Le-Graverand MP, Guermazi A. Delayed Gadolinium-Enhanced Magnetic Resonance Imaging of Medial Tibiofemoral Cartilage and Its Relationship With Meniscal Pathology: A Longitudinal Study Using 3.0T Magnetic Resonance Imaging. *Arthritis Rheumatol*. 2014 Jun;66(6):1517-24. doi: 10.1002/art.38518. PMID: 24577996.

De Filippis EA, Sabet A, **Sun MR**, Garber JR. Pemberton's sign: explained nearly 70 years later. *J Clin Endocrinol Metab*. 2014 Jun;99(6):1949-54. doi:10.1210/jc.2013-4240. PMID: 24646105.

De Kock I, **Mortelé KJ**, Smet B, Gillardin P, Pauwels W, De Backer AI. Hepatic adenomatosis: MR imaging features. *JBR-BTR*. 2014 Mar-Apr;97(2):105-8. PMID: 25073243.

Delling FN, Gona P, Larson MG, Lehman B, **Manning WJ**, Levine RA, Benjamin EJ, Vasan RS. Mild expression of mitral valve prolapse in the Framingham offspring: expanding the phenotypic spectrum. *J Am Soc Echocardiogr*. 2014 Jan;27(1):17-23. doi: 10.1016/j.echo.2013.09.015. Epub 2013 Oct 24. PMID: 24206636; PMCID: PMC4239996.

**Dialani V, Venkataraman S**, Frieling G, Schnitt SJ, **Mehta TS**. Does isolated flat epithelial atypia on vacuum-assisted breast core biopsy require surgical excision? *Breast J*. 2014 Nov-Dec;20(6):606-14. doi: 10.1111/tbj.12332. PMID: 25264188.

Dunnick NR, **Kressel HY**, Ouellette HA. Book reviewers: a note of thanks. *Radiology*. 2014 Dec;273(3):641. doi: 10.1148/radiol.14142113. PMID: 25420163.

Dunnick NR, **Kressel HY**. Manuscript reviewers: a note of thanks. *Radiology*. 2014 Dec;273(3):634-40. doi: 10.1148/radiol.14142061. PMID: 25420162.

**Eisenberg RL, Cunningham ML, Siewert B, Kruskal JB**. Survey of faculty perceptions regarding a peer review system. *J Am Coll Radiol*. 2014 Apr;11(4):397-401. doi: 10.1016/j.jacr.2013.08.011. Epub 2013 Oct 19. PMID: 24144835.

**Eisenberg RL**, Ngo LH, **Bankier AA**. Honorary authorship in radiologic research articles: do geographic factors influence the frequency? *Radiology*. 2014 May;271(2):472-8. doi: 10.1148/radiol.13131710. PMID: 24475845.

Faintuch J, Hayashi SY, Nahas SC, Yagi OK, **Faintuch S**, Ceconello I. Do colorectal cancer resections improve diabetes in long-term survivors? A case-control study. *Surg Endosc*. 2014 Mar;28(3):1019-26. doi: 10.1007/s00464-013-3273-0. Epub 2013 Nov 1. PMID: 24178865.

Farina L, Weiss N, Nissenbaum Y, Cavagnaro M, Lopresto V, Pinto R, Tosoratti N, Amabile C, Cassarino S, **Goldberg SN**. Characterisation of tissue shrinkage during microwave thermal ablation. *Int J Hyperthermia*. 2014 Nov;30(7):419-28. doi: 10.3109/02656736.2014.957250. PMID: 25323026.

Farr OM, Fiorenza C, Papageorgiou P, Brinkoetter M, Ziemke F, Koo BB, **Rojas R**, Mantzoros CS. Leptin therapy alters appetite and neural responses to food stimuli in brain areas of leptin-sensitive subjects without altering brain structure. *J Clin Endocrinol Metab*. 2014 Dec;99(12):E2529-38. doi: 10.1210/jc.2014-2774. PMID: 25279500.

Fidler JL, Zhang Z, Herman BA, Limburg PJ, Fletcher JG, Dachman A, Heiken JP, Kuo MD, Menias CO, **Siewert B**, Cheema JI, Obregon RG, Zimmerman P, Horton KM, Coakley K, Iyer RB, Hara A, Halvorsen RA Jr, Casola G, Yee J, Burgart LJ, Johnson CD. CT Colonography for the Detection of Nonpolypoid Adenomas: Sensitivity Assessed With Restricted National CT Colonography Trial Criteria. *AJR Am J Roentgenol*. 2014 Dec;203(6):W614-22. doi: 10.2214/AJR.13.12356. PMID: 25415726.

Fleming LM, **Manning WJ**. Extracardiac findings on echocardiography: blissful ignorance or a call to improve our training? *J Am Soc Echocardiogr*. 2014 May;27(5):547-8. doi: 10.1016/j.echo.2014.03.006. PMID: 24767434.

**Franquet E, Palmer MR**, Gifford AE, Selen DJ, Chen YC, **Sedora-Roman N**, Joyce RM, **Kolodny GM**, Moss AC. Rifaximin suppresses background intestinal 18F-FDG uptake on PET/CT scans. *Nucl Med Commun*. 2014 Oct;35(10):1026-31. doi: 10.1097/MNM.0000000000000170. PMID: 25076161.

Garren IF, Duan F, Greco EM, Snyder BS, **Boiselle PM**, Park ER, Fryback D, Gatsonis C. Impact of lung cancer screening results on participant health-related quality of life and state anxiety in the National Lung Screening Trial. *Cancer*. 2014 Nov 1;120(21):3401-9. doi: 10.1002/cncr.28833. PMID: 25065710; PMCID: PMC4205265.

George RT, Mehra VC, Chen MY, Kitagawa K, Arbab-Zadeh A, Miller JM, Matheson MB, Vavere AL, Kofoed KF, Rochitte CE, Dewey M, Yaw TS, Niinuma H, Brenner W, Cox C, **Clouse ME**, Lima JA, Di Carli M. Myocardial CT Perfusion Imaging and SPECT for the Diagnosis of Coronary Artery Disease: A Head-to-Head Comparison from the CORE320 Multicenter Diagnostic Performance Study. *Radiology*. 2014 Aug;272(2):407-16. doi: 10.1148/radiol.14140806. PMID: 24865312.

Ghersin E, Martinez CA, Singh V, Fishman JE, Macon CJ, Runco Therrien JE, **Litmanovich DE**. ECG-Gated MDCT After Aortic and Mitral Valve Surgery. *AJR Am J Roentgenol*. 2014 Dec;203(6):W596-604. doi: 10.2214/AJR.13.12404. PMID: 25415724.

Girard OM, Prevost VH, Varma G, Cozzone PJ, **Alsop DC**, Duhamel G. Magnetization transfer from inhomogeneously broadened lines (ihMT): Experimental optimization of saturation parameters for human brain imaging at 1.5 Tesla. *Magn Reson Med*. 2014 Jun 24. doi: 10.1002/mrm.25330. [Epub ahead of print] PMID: 24962257.

**Goldberg SN.** Science to Practice: Can We Turn the Undesired Heating Effects of MR Imaging into Effective Cancer Therapies? *Radiology*. 2014 Feb;270(2):315-7. doi: 10.1148/radiol.13132417. PMID: 24471379.

**Goldberg SN.** Science to practice: why debate the role of dbait for improving tumor ablation? *Radiology*. 2014 Mar;270(3):635-7. doi: 10.1148/radiol.13132824. PMID: 24568699.

Gottumukkala RV, Romero JM, Riascos RF, **Rojas R**, Glikstein RS. Imaging of the brain in patients with human immunodeficiency virus infection. *Top Magn Reson Imaging*. 2014 Oct;23(5):275-91. doi: 10.1097/RMR.0000000000000031. PMID: 25296273.

Gruner C, Chan RH, Crean A, Rakowski H, Rowin EJ, Care M, Deva D, Williams L, Appelbaum E, Gibson CM, Lesser JR, Haas TS, Udelson JE, **Manning WJ**, Siminovitch K, Ralph-Edwards AC, Rastegar H, Maron BJ, Maron MS. Significance of left ventricular apical-basal muscle bundle identified by cardiovascular magnetic resonance imaging in patients with hypertrophic cardiomyopathy. *Eur Heart J*. 2014 Oct 14;35(39):2706-13. doi: 10.1093/eurheartj/ehu154. PMID: 24810389.

Guideline developed in collaboration with the American College of Radiology (ACR); Society for Pediatric Radiology (SPR); Society of Radiologists in Ultrasound (SRU). AIUM practice guideline for the performance of an ultrasound examination of solid-organ transplants. *J Ultrasound Med*. 2014 Jul;33(7):1309-20. doi: 10.7863/ultra.33.7.1309. PubMed PMID: 24958421. [**MR Sun**, Collaborator]

**Hall FM.** Breast density categorization creep. *Radiology*. 2014 Jun;271(3):927. doi: 10.1148/radiol.14140169. PMID: 24848964.

**Hall FM.** Old dogs and plain radiographs. *Radiology*. 2014 Aug;272(2):613. doi: 10.1148/radiol.14140779. PMID: 25058139.

**Hall FM, Bankier AA.** Sven Paulin, MD, PhD. *Radiology*. 2014 Sep;272(3):922. doi: 10.1148/radiol.14144020. PMID: 25153281.

**Hall FM.** Screening mammography guidelines: an alternative proactive approach. *Radiology*. 2014 Dec;273(3):646-51. doi: 10.1148/radiol.14140958. PMID: 25420165.

Henry TS, Kirsch J, Kanne JP, Chung JH, Donnelly EF, Ginsburg ME, Heitkamp DE, Kazerooni EA, Ketai LH, McComb BL, **Parker JA**, Ravenel JG, Restrepo CS, Saleh AG, Shah RD, Steiner RM, Suh RD, Mohammed TL; Expert Panel on Thoracic Imaging: ACR Appropriateness Criteria® Rib Fractures. *J Thorac Imaging*. 2014 Nov;29(6):364-6. doi: 10.1097/RTI.0000000000000113. PMID: 25340388.

Hsing J, Peters DC, Knowles BR, **Manning WJ**, Josephson ME. Cardiovascular magnetic resonance imaging of scar development following pulmonary vein isolation: a prospective study. *PLoS One*. 2014 Sep 24;9(9):e104844. doi: 10.1371/journal.pone.0104844. PMID: 25251403; PMCID: PMC4174508.

Hyun H, Wada H, Bao K, Gravier J, Yadav Y, Laramie M, Henary M, **Frangioni JV**, Choi HS. Phosphonated near-infrared fluorophores for biomedical imaging of bone. *Angew Chem Int Ed Engl*. 2014 Sep 26;53(40):10668-72. doi: 10.1002/anie.201404930. PMID: 25139079.

Inoue K, Gibbs SL, Liu F, Lee JH, Xie Y, Ashitate Y, Fujii H, **Frangioni JV**, Choi HS. Microscopic validation of macroscopic in vivo images enabled by same-slide optical and nuclear fusion. *J Nucl Med*. 2014 Nov;55(11):1899-904. doi: 10.2967/jnumed.114.141606. PMID: 25324521.

Jerome SD, Farrell MB, Godiwala T, Heller GV, Bezold LI, Choi JY, Cockroft KM, Gornik HL, Katanick SL, **Manning WJ**. Facility perception of nuclear cardiology accreditation: Results of an Intersocietal Accreditation Commission (IAC) survey. *J Nucl Cardiol*. 2014 Oct 29. [Epub ahead of print] PMID: 25352528.

**Jon AF, Cheema AR, Khan AN, Raptopoulos V, Hauser T, Nasser I, Welty FK, Karellas A, Clouse ME.** Assessment of liver fat in an obese patient population using noncontrast CT fat percent index. *Clin Imaging*. 2014 May-Jun;38(3):259-64. doi: 10.1016/j.clinimag.2014.01.005. PMID: 24559751; PMCID: PMC3999172.

Khoury MN, **Alsop DC**, Agnihotri SP, Pfannl R, Wuthrich C, Ho ML, **Hackney D**, Ngo L, Anderson MP, Koralnik JJ. Hyperintense cortical signal on magnetic resonance imaging reflects focal leukocortical encephalitis and seizure risk in progressive multifocal leukoencephalopathy. *Ann Neurol*. 2014 May;75(5):659-69. doi: 10.1002/ana.24144. PMID: 24752885.

Kisilevzky N, **Faintuch S.** Is Prostatic Artery Embolization Similar to Uterine Artery Embolization? *Cardiovasc Intervent Radiol*. 2014 Mar 20. PMID: 24647656.

Korn A, Bender B, Spira D, Schabel C, **Bhadelia R**, Claussen C, Ernemann U, Brodoefel H. Added Value of Integrated Circuit Detector in Head CT: Objective and Subjective Image Quality in Comparison to Conventional Detector Design. *Acad Radiol*. 2014 Dec;21(12):1506-11. doi: 10.1016/j.acra.2014.07.012. PMID: 25201378.

**Kressel HY.** Editor's Recognition Awards. *Radiology*. 2014 Jan;270(1):8-9. doi: 10.1148/radiol.13132229. PMID: 24354370.

**Kressel HY.** Radiology editorial board 2014. *Radiology*. 2014 Jan;270(1):7. doi: 10.1148/radiol.13131900. PMID: 24354369.

**Kressel HY.** Beyond the impact factor: enhancing the impact of imaging research published in radiology. *Radiology*. 2014 Jan;270(1):3-6. doi: 10.1148/radiol.13132314. PMID: 24354368.

**Kressel HY.** Diagnosis please certificates of recognition awarded to six individuals and to international and north american radiology resident groups. *Radiology*. 2014 Oct;273(1):1-4. doi: 10.1148/radiol.14141505. PMID: 25247559.

**Kressel HY, Berlin L.** Tooltip to the rescue. *Radiology*. 2014 Nov;273(2):315-6. doi: 10.1148/radiol.14142112. PMID: 25340264.

Kroll KE, Camacho MA, Gautam S, **Levenson RB**, Edlow JA. Findings of chronic sinusitis on brain computed tomography are not associated with acute headaches. *J Emerg Med*. 2014 Jun;46(6):753-9. doi: 10.1016/j.jemermed.2013.08.016. PMID: 24750900.

**Kung JW, Wu JS, Shetty SK, Khasgiwala VC, Appleton P, Hochman MG.** Spectrum and detection of musculoskeletal findings on trauma-related CT torso examinations. *Emerg Radiol*. 2014 Aug;21(4):359-65. doi: 10.1007/s10140-014-1201-9. PMID: 24557456.

Larson DB, Duncan JR, Nagy PG, **Kruskal JB.** Guide to effective quality improvement reporting in radiology. *Radiology*. 2014 May;271(2):561-73. doi: 10.1148/radiol.14131930. PMID: 24555635.

Lee CH, **Wu JS**, Goldsmith JD, **Kung JW.** Reply to the letter to the editor: in response to "Lipomatosis of the sciatic nerve secondary to compression by a desmoid tumor". *Skeletal Radiol*. 2014 Feb;43(2):131-2. doi: 10.1007/s00256-013-1761-x. Epub 2013 Nov 23. PMID: 24270976.

**Levine D.** Waiting, not rushing, to diagnose a failed pregnancy. *Ultrasound Q*. 2014 Mar;30(1):11-2. doi: 10.1097/RUQ.0000000000000069. PMID: 24901773.

**Levine D, Kressel HY.** Exploring the evolution of imaging. *Radiology*. 2014 Nov;273(2 Suppl):5A-7A. doi: 10.1148/radiol.14141445. PMID: 25340429.

**Leylek AM, Kane RA.** Juvenile granulosa cell tumor of the testis. *Ultrasound Q*. 2014 Sep;30(3):219-20. doi: 10.1097/RUQ.0000000000000111. PMID: 25148497.

- Li X, **Sarkar SN**, Purdy DE, Briggs RW. Quantifying cerebellum grey matter and white matter perfusion using pulsed arterial spin labeling. *Biomed Res Int*. 2014;2014:108691. doi: 10.1155/2014/108691. Epub 2014 May 15. PMID: 24949416; PMCID: PMC4052111.
- Lin YC, Goldsmith JD, Gebhardt MG, **Wu JS**. Bursal synovial chondromatosis formation following osteochondroma resection. *Skeletal Radiol*. 2014 Jul;43(7):997-1000. doi: 10.1007/s00256-014-1821-x. PMID: 24453028.
- Lin YC, Juan YH, **Mhuircheartaigh JN**, Sheng TW, Saboo SS, Wong HF, **Wu JS**. Surgically challenging pulmonary and hepatic vascular malformations treated with Onyx application. *Vasa*. 2014 Sep;43(5):390-4. doi: 10.1024/0301-1526/a000376. PMID: 25147017.
- Litmanovich DE**, Ghersin E, Burke DA, Popma J, Shahrzad M, **Bankier AA**. Imaging in Transcatheter Aortic Valve Replacement (TAVR): role of the radiologist. *Insights Imaging*. 2014 Feb;5(1):123-45. doi: 10.1007/s13244-013-0301-5. PMID: 24443171; PMCID: PMC3948900.
- Litmanovich DE**, Hartwick K, Silva M, **Bankier AA**. Multidetector computed tomographic imaging in chronic obstructive pulmonary disease: emphysema and airways assessment. *Radiol Clin North Am*. 2014 Jan;52(1):137-54. doi:10.1016/j.rcl.2013.09.002. PMID: 24267715.
- Litmanovich DE**, Tack D, **Lee KS**, Shahrzad M, **Bankier AA**. Cardiothoracic imaging in the pregnant patient. *J Thorac Imaging*. 2014 Jan;29(1):38-49. doi: 10.1097/RTI.000000000000064. PMID: 24361975.
- Litmanovich DE**, Tack DM, Shahrzad M, **Bankier AA**. Dose Reduction in Cardiothoracic CT: Review of Currently Available Methods. *Radiographics*. 2014 Oct;34(6):1469-89. doi: 10.1148/rg.346140084. PMID: 25310412.
- MacMahon H, **Bankier AA**, Naidich DP. Lung Cancer Screening: What Is the Effect of Using a Larger Nodule Threshold Size to Determine Who Is Assigned to Short-term CT Follow-up? *Radiology*. 2014 Nov;273(2):326-7. doi:10.1148/radiol.14141860. PMID: 25340268.
- 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*. 2014 Jun;27(3):245-55. doi: 10.1007/s10334-013-0410-7. Epub 2013 Sep 20. PMID: 24052241.
- Magnani JW, Yin X, McManus DD, Chuang ML, Cheng S, Lubitz SA, Arora G, **Manning WJ**, Ellinor PT, Benjamin EJ. Genetic loci associated with atrial fibrillation: relation to left atrial structure in the Framingham Heart Study. *J Am Heart Assoc*. 2014 Apr 2;3(2):e000616. doi: 10.1161/JAHA.113.000616. PMID: 24695651; PMCID: PMC4187503.
- Mauri G, Cova L, De Beni S, Ierace T, Tondolo T, Cerri A, **Goldberg SN**, Solbiati L. Real-Time US-CT/MRI Image Fusion for Guidance of Thermal Ablation of Liver Tumors Undetectable with US: Results in 295 Cases. *Cardiovasc Intervent Radiol*. 2014 May 8. PMID: 24806953.
- McWilliams JP, Kuo MD, Rose SC, Bagla S, Caplin DM, Cohen EI, **Faintuch S**, Spies JB, Saad WE, Nikolic B. Society of interventional radiology position statement: prostate artery embolization for treatment of benign disease of the prostate. *J Vasc Interv Radiol*. 2014 Sep;25(9):1349-51. doi: 10.1016/j.jvir.2014.05.005. PMID: 24993818.
- Mendiratta-Lala M, **Sheiman R**, **Brook OR**, Gourtsoyianni S, Mahadevan A, **Siewert B**. CT-guided core biopsy and percutaneous fiducial seed placement in the lung: can these procedures be combined without an increase in complication rate or decrease in technical success? *Eur J Radiol*. 2014 Apr;83(4):720-5. doi: 10.1016/j.ejrad.2014.01.006. PMID: 24534120.
- Mhuircheartaigh JN**, Lin YC, **Wu JS**. Bone tumor mimickers: A pictorial essay. *Indian J Radiol Imaging*. 2014 Jul;24(3):225-36. doi: 10.4103/0971-3026.137026. PMID: 25114385; PMCID: PMC4126137. [**Ni Mhuircheartaigh**]
- Millo NZ, Yee EU, **Mortele KJ**. Mammary-type myofibroblastoma of the liver: multi-modality imaging features with histopathologic correlation. *Abdom Imaging*. 2014 Jun;39(3):482-7. doi: 10.1007/s00261-014-0078-0. PMID: 24463957.
- 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*. 2014 Jun;71(6):2118-26. doi: 10.1002/mrm.24881. Epub 2013 Jul 22. PMID: 23878103.
- Molinari F, Madhuranthakam AJ, **Lenkinski R**, **Bankier AA**. Ultrashort echo time MRI of pulmonary water content: assessment in a sponge phantom at 1.5 and 3.0 Tesla. *Diagn Interv Radiol*. 2014 Jan-Feb;20(1):34-41. doi: 10.5152/dir.2013.13232. PMID: 24317335.
- Moussa M, **Goldberg SN**, Kumar G, Sawant RR, Levchenko T, Torchilin VP, **Ahmed M**. Nanodrug-enhanced radiofrequency tumor ablation: effect of micellar or liposomal carrier on drug delivery and treatment efficacy. *PLoS One*. 2014 Aug 18;9(8):e102727. doi: 10.1371/journal.pone.0102727. PMID: 25133740; PMCID: PMC4136708.
- Moussa M, **Goldberg SN**, Kumar G, Sawant RR, Levchenko T, Torchilin V, **Ahmed M**. Radiofrequency ablation-induced upregulation of hypoxia-inducible factor-1 $\alpha$  can be suppressed with adjuvant bortezomib or liposomal chemotherapy. *J Vasc Interv Radiol*. 2014 Dec;25(12):1972-82. doi: 10.1016/j.jvir.2014.08.025. PMID: 25439675; PMCID: PMC4269608.
- Murphy SN, Herrick C, Wang Y, Wang TD, Sack D, Andriole KP, **Wei J**, Reynolds N, Plesniak W, Rosen BR, Pieper S, Gollub RL. High Throughput Tools to Access Images from Clinical Archives for Research. *J Digit Imaging*. 2014 Oct 15. [Epub ahead of print] PMID: 25316195.
- 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*. 2014 Jan;39(1):179-88. doi: 10.1002/jmri.24098. Epub 2013 Jul 15. PMID: 23857797; PMCID: PMC3800245.
- Pahade J, **Rosen MP**. Direct communication of results to patients. *AJR Am J Roentgenol*. 2014 Jan;202(1):W121. doi: 10.2214/AJR.13.11170. PMID: 24370158.
- Palacios E, **Rojas R**, Rodulfa J, González-Toledo E. Magnetic resonance imaging in fungal infections of the brain. *Top Magn Reson Imaging*. 2014 Jun;23(3):199-212. doi: 10.1097/RMR.000000000000025. PMID: 24887690.
- Park MH, Hyun H, Ashitate Y, Wada H, Park G, Lee JH, Njiojob C, Henary M, **Frangioni JV**, Choi HS. Prototype nerve-specific near-infrared fluorophores. *Theranostics*. 2014 Jun 7;4(8):823-33. doi: 10.7150/thno.8696. eCollection 2014. PMID: 24955143; PMCID: PMC4063980.
- Parker JA**, Christian P, Jadvar H, Sattler B, Wallis JW. The SNMMI and EANM practice guideline for tele-nuclear medicine 2.0. *J Nucl Med Technol*. 2014 Mar;42(1):15-9. doi: 10.2967/jnmt.113.133231. Epub 2013 Dec 27. PMID: 24375155.
- Patel SP, Anthony SG, Zurakowski D, **Didolkar MM**, Kim PS, **Wu JS**, **Kung JW**, Dolan M, Rozental TD. Radiographic scoring system to evaluate union of distal radius fractures. *J Hand Surg Am*. 2014 Aug;39(8):1471-9. doi: 10.1016/j.jhssa.2014.05.022. PMID: 24996677.
- Pflugli S, Roujol S, Akçakaya M, Kawaji K, Foppa M, Heydari B, Goddu B, Kissinger K, Berg S, **Manning WJ**, Kozerke S, Nezafat R. Accelerated cardiac MR stress perfusion with radial sampling after physical exercise with an MR-compatible supine bicycle ergometer. *Magn Reson Med*. 2014 Aug 8. doi: 10.1002/mrm.25405. [Epub ahead of print] PMID: 25105469.



**Phillips J, Fein-Zachary VJ, Mehta TS, Littlehale N, Venkataraman S, Slanetz PJ.** Breast imaging in the transgender patient. *AJR Am J Roentgenol.* 2014 May;202(5):1149-56. doi: 10.2214/AJR.13.10810. Review. PMID: 24758673.

**Proulx F, Levine D.** Decidualization of endometrioma in pregnancy. *Ultrasound Q.* 2014 Sep;30(3):211-2. doi: 10.1097/RUQ.0000000000000106. PMID: 25148494.

Ravenel JG, Rosenzweig KE, Kirsch J, Ginsburg ME, Kanne JP, Kestin LL, **Parker JA**, Rimner A, Saleh AG, Mohammed TL. ACR Appropriateness Criteria Non-invasive Clinical Staging of Bronchogenic Carcinoma. *J Am Coll Radiol.* 2014 Jul 30. pii: S1546-1440(14)00285-3. doi: 10.1016/j.jacr.2014.05.020. PMID: 25086958.

Reddy UM, Abuhamad AZ, **Levine D**, Saade GR; Fetal Imaging Workshop Invited Participants. Fetal imaging: executive summary of a joint Eunice Kennedy Shriver National Institute of Child Health and Human Development, Society for Maternal-Fetal Medicine, American Institute of Ultrasound in Medicine, American College of Obstetricians and Gynecologists, American College of Radiology, Society for Pediatric Radiology, and Society of Radiologists in Ultrasound fetal imaging workshop. *J Ultrasound Med.* 2014 May;33(5):745-57. doi: 10.7863/ultra.33.5.745. PMID: 24764329.

Reddy UM, Abuhamad AZ, **Levine D**, Saade GR; Fetal Imaging Workshop Invited Participants. Fetal imaging: Executive Summary of a Joint Eunice Kennedy Shriver National Institute of Child Health and Human Development, Society for Maternal-Fetal Medicine, American Institute of Ultrasound in Medicine, American College of Obstetricians and Gynecologists, American College of Radiology, Society for Pediatric Radiology, and Society of Radiologists in Ultrasound Fetal Imaging Workshop. *Am J Obstet Gynecol.* 2014 May;210(5):387-397. doi:10.1016/j.ajog.2014.02.028. Review. PMID: 24793721.

Reddy UM, Abuhamad AZ, **Levine D**, Saade GR; Fetal Imaging Workshop Invited Participants. Fetal imaging: executive summary of a joint Eunice Kennedy Shriver National Institute of Child Health and Human Development, Society for Maternal-Fetal Medicine, American Institute of Ultrasound in Medicine, American College of Obstetricians and Gynecologists, American College of Radiology, Society for Pediatric Radiology, and Society of Radiologists in Ultrasound fetal imaging workshop. *Obstet Gynecol.* 2014 May;123(5):1070-82. doi: 10.1097/AOG.0000000000000245. PMID: 24785860.

**Ridge CA**, Hobbs BD, Bukoye BA, Aronson MD, **Boiselle PM**, Leffler DA, Sternberg SB, Roberts DH. Incidentally detected lung nodules: clinical predictors of adherence to Fleischner Society surveillance guidelines. *J Comput Assist Tomogr.* 2014 Jan-Feb;38(1):89-95. doi: 10.1097/RCT.0b013e3182a939a5. PMID: 24424558.

Rochitte CE, George RT, Chen MY, Arbab-Zadeh A, Dewey M, Miller JM, Niinuma H, Yoshioka K, Kitagawa K, Nakamori S, Laham R, Vavere AL, Cerri RJ, Mehra VC, Nomura C, Kofoed KF, Jinzaki M, Kuribayashi S, de Roos A, Laule M, Tan SY, Hoe J, Paul N, Rybicki FJ, Brinker JA, Arai AE, Cox C, **Clouse ME**, Di Carli MF, Lima JA. Computed tomography angiography and perfusion to assess coronary artery stenosis causing perfusion defects by single photon emission computed tomography: the CORE320 study. *Eur Heart J.* 2014 May;35(17):1120-30. doi: 10.1093/eurheartj/eh488. Epub 2013 Nov 19. PMID: 24255127.

**Rojas R.** MRI in brain and spinal infection. *Top Magn Reson Imaging.* 2014 Jun;23(3):151. doi: 10.1097/RMR.0000000000000022. PMID: 24887689.

Roujol S, Basha TA, Akçakaya M, Foppa M, Chan RH, Kissinger KV, Goddu B, Berg S, **Manning WJ**, Nezafat R. 3D late gadolinium enhancement in a single prolonged breath-hold using supplemental oxygenation and hyperventilation. *Magn Reson Med.* 2014 Sep;72(3):850-7. doi: 10.1002/mrm.24969. Epub 2013 Oct 15. PMID: 24186772; PMCID: PMC3988269.

Roujol S, Foppa M, Weingärtner S, **Manning WJ**, Nezafat R. Adaptive registration of varying contrast-weighted images for improved tissue characterization (ARCTIC): Application to T(1) mapping. *Magn Reson Med.* 2014 May 5. doi: 10.1002/mrm.25270. PMID: 24798588.

Roujol S, Weingärtner S, Foppa M, Chow K, Kawaji K, Ngo LH, Kellman P, **Manning WJ**, Thompson RB, Nezafat R. Accuracy, precision, and reproducibility of four T1 mapping sequences: a head-to-head comparison of MOLLI, ShMOLLI, SASHA, and SAPPHERE. *Radiology.* 2014 Sep;272(3):683-9. doi: 10.1148/radiol.14140296. PMID: 24702727.

Runner GJ, Corwin MT, **Siewert B, Eisenberg RL.** Gallbladder wall thickening. *AJR Am J Roentgenol.* 2014 Jan;202(1):W1-W12. doi: 10.2214/AJR.12.10386. Review. PMID: 24370153.

Rutkove SB, Geisbush TR, Mijailovic A, Shklyar I, Pasternak A, Visyak N, **Wu JS**, Zaidman C, Darras BT. Cross-sectional evaluation of electrical impedance myography and quantitative ultrasound for the assessment of Duchenne muscular dystrophy in a clinical trial setting. *Pediatr Neurol.* 2014 Jul;51(1):88-92. doi: 10.1016/j.pediatrneurol.2014.02.015. PMID: 24814059; PMCID: PMC4063877.

**Sarkar SN**, Papavassiliou E, **Hackney DB, Alsop DC**, Shih LC, Madhuranthakam AJ, Busse RF, La Ruche S, **Bhadelia RA.** Three-dimensional brain MRI for DBS patients within ultra-low radiofrequency power limits. *Mov Disord.* 2014 Apr;29(4):546-9. doi: 10.1002/mds.25808. PMID: 24442797.

**Sarkar SN**, Sarkar PR, Papavassiliou E. Subthalamic Nuclear Tissue Contrast in Inversion Recovery MRI Decreases with Age in Medically Refractory Parkinson's Disease. *J Neuroimaging.* 2014 Mar 19. doi: 10.1111/jon.12111. [Epub ahead of print] PMID: 24641526.

**Sarkar SN**, Sarkar PR, Papavassiliou E, **Rojas RR.** Utilizing fast spin echo MRI to reduce image artifacts and improve implant/tissue interface detection in refractory Parkinson's patients with deep brain stimulators. *Parkinsons Dis.* 2014;2014:508576. doi: 10.1155/2014/508576. Epub 2014 Feb 25. PMID: 24724036; PMCID: PMC3956280.

**Sarwar A, Wu JS, Kung J, Brook A, Lee KS**, Gauguet JM, Rosen MP. Graphic representation of clinical symptoms: a tool for improving detection of subtle fractures on foot radiographs. *AJR Am J Roentgenol.* 2014 Oct;203(4):W429-33. doi: 10.2214/AJR.13.11932. PMID: 25247972.

**Scheidegger R**, Wong ET, **Alsop DC.** Contributors to contrast between glioma and brain tissue in chemical exchange saturation transfer sensitive imaging at 3Tesla. *Neuroimage.* 2014 Oct;99:256-68. doi: 10.1016/j.neuroimage.2014.05.036. PMID: 24857712.

Schonberg MA, Birdwell RL, Bychkovsky BL, Hintz L, **Fein-Zachary V**, Wertheimer MD, Silliman RA. Older women's experience with breast cancer treatment decisions. *Breast Cancer Res Treat.* 2014 May;145(1):211-23. doi: 10.1007/s10549-014-2921-y. PMID: 24682710.

Schonberg MA, Silliman RA, Ngo LH, Birdwell RL, **Fein-Zachary V**, Donato J, Marcantonio ER. Older Women's Experience with a Benign Breast Biopsy-A Mixed Methods Study. *J Gen Intern Med.* 2014 Dec;29(12):1631-40. doi: 10.1007/s11606-014-2981-z. PMID: 25138983; PMCID: PMC4242866.

**Seckhar A, Sun MR, Siewert B.** A Tissue Phantom Model for Training Residents in Ultrasound-guided Liver Biopsy. *Acad Radiol.* 2014 Jul;21(7):902-8. doi: 10.1016/j.acra.2014.03.002. PMID: 24928159.

Sekiya K, Watanabe M, Nadgir RN, Buch K, **Flower EN**, Kaneda T, Sakai O. Nasopharyngeal cystic lesions: Tornwaldt and mucous retention cysts of the nasopharynx: findings on MR imaging. *J Comput Assist Tomogr.* 2014 Jan-Feb;38(1):9-13. doi: 10.1097/RCT.0b013e3182a77699. [Epub 2013] PMID: 24378893.

Shahrzad M, Le TS, Silva M, **Bankier AA**, **Eisenberg RL**. Anterior mediastinal masses. *AJR Am J Roentgenol*. 2014 Aug;203(2):W128-38. doi: 10.2214/AJR.13.11998. Review. PMID: 25055288. [Residents' Section, Pattern of the Month]

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*. 2014 Jul;40(1):119-25. doi: 10.1002/jmri.24340. Epub 2013 Sep 16. PMID: 24105717.

Sheth RA, Walker TG, Saad WE, Dariushnia SR, Ganguli S, Hogan MJ, Hohenwarter EJ, Kalva SP, Rajan DK, Stokes LS, Zuckerman DA, Nikolic B; Society of Interventional Radiology Standards of Practice Committee. Quality improvement guidelines for vascular access and closure device use. *J Vasc Interv Radiol*. 2014 Jan;25(1):73-84. doi: 10.1016/j.jvir.2013.08.011. Review. PMID: 24209907. [**Goldberg SN**, collaborator]

Shklyar I, Geisbush TR, Mijalovic AS, Pasternak A, Darras BT, **Wu JS**, Rutkove SB, Zaidman CM. Quantitative muscle ultrasound in duchenne muscular dystrophy: A comparison of techniques. *Muscle Nerve*. 2014 May 23. doi: 10.1002/mus.24296. PMID: 24862337.

**Smith MP**, Katz DS, Lalani T, Carucci LR, Cash BD, Kim DH, Piorkowski RJ, Small WC, Spottswood SE, Tulchinsky M, Yaghamai V, Yee J, Rosen MP. ACR Appropriateness Criteria® Right Lower Quadrant Pain-Suspected Appendicitis. *Ultrasound Q*. 2014 Oct 31. [Epub ahead of print] PMID: 25364964.

Tam AL, Abdelsalam ME, Gagea M, Ensor JE, Moussa M, **Ahmed M**, **Goldberg SN**, Dixon K, McWatters A, Miller JJ, Srimathveeravalli G, Solomon SB, Avritscher R, Wallace MJ, Gupta S. Irreversible electroporation of the lumbar vertebrae in a porcine model: is there clinical-pathologic evidence of neural toxicity? *Radiology*. 2014 Sep;272(3):709-19. doi: 10.1148/radiol.14132560. PMID: 24766034.

Taylor S, **Litmanovich DE**, Shahrzad M, **Bankier AA**, Gevenois PA, Tack D. Organ-based Tube Current Modulation: Are Women's Breasts Positioned in the Reduced-Dose Zone? *Radiology*. 2014 Aug 22;140694. PMID: 25153159.

Telischak NA, **Wu JS**, **Eisenberg RL**. Cysts and cystic-appearing lesions of the knee: A pictorial essay. *Indian J Radiol Imaging*. 2014 Apr;24(2):182-91. doi: 10.4103/0971-3026.134413. PMID: 25024531; PMCID: PMC4094974.

**Tsai LL**, Kaliannan K, **Mortele KJ**. Gallbladder splenosis: a hereto unreported mimicker of a gallbladder neoplasm. *Clin Imaging*. 2014 Nov 5. pii: S0899-7071(14)00267-8. doi: 10.1016/j.clinimag.2014.10.018. [Epub ahead of print] PMID: 25467423.

Tummers QR, Verbeek FP, Prevoo HA, Braat AE, Baeten CI, **Frangioni JV**, van de Velde CJ, Vahrmeijer AL. First Experience on Laparoscopic Near-Infrared Fluorescence Imaging of Hepatic Uveal Melanoma Metastases Using Indocyanine Green. *Surg Innov*. 2014 Jun 5. pii: 1553350614535857. PMID: 24902685.

Vachha B, **Rojas R**, Prabhu SP, **Bhadelia R**, **Moonis G**. Magnetic resonance imaging in viral and prion diseases of the central nervous system. *Top Magn Reson Imaging*. 2014 Oct;23(5):293-302. doi: 10.1097/RMR.000000000000033. PMID: 25296274.

Varma G, Duhamel G, de Bazelaire C, **Alsop DC**. Magnetization transfer from inhomogeneously broadened lines: A potential marker for myelin. *Magn Reson Med*. 2014 Mar 6. doi: 10.1002/mrm.25174. PMID: 24604578.

**Venkataraman S**, **Dialani V**, **Fein-Zachary V**, **Brook A**, **Slanetz PJ**. Targeted patient education: does it improve outcome of minimally invasive breast biopsy? *Breast J*. 2014 Jul-Aug;20(4):444-6. doi: 10.1111/tbj.12293. PMID: 24862234.

Verbeek FP, Schaafsma BE, Tummers QR, van der Vorst JR, van der Made WJ, Baeten CI, Bonsing BA, **Frangioni JV**, van de Velde CJ, Vahrmeijer AL, Swijnenburg RJ. Optimization of near-infrared fluorescence cholangiography for open and laparoscopic surgery. *Surg Endosc*. 2014 Apr;28(4):1076-82. [Epub 2013] PMID: 24232054; PMCID: PMC4021038.

Verbeek FP, Troyan SL, Mieog JS, Liefers GJ, Moffitt LA, Rosenberg M, Hirshfield-Bartek J, Gioux S, van de Velde CJ, Vahrmeijer AL, **Frangioni JV**. Near-infrared fluorescence sentinel lymph node mapping in breast cancer: a multicenter experience. *Breast Cancer Res Treat*. 2014 Jan;143(2):333-42. doi: 10.1007/s10549-013-2802-9. Epub 2013 Dec 13. PMID: 24337507; PMCID: PMC3899688.

Verbeek FP, van der Vorst JR, Tummers QR, Boonstra MC, de Rooij KE, Löwik CW, Valentijn AR, van de Velde CJ, Choi HS, **Frangioni JV**, Vahrmeijer AL. Near-infrared fluorescence imaging of both colorectal cancer and ureters using a low-dose integrin targeted probe. *Ann Surg Oncol*. 2014 Dec;21 Suppl 4:528-37. doi: 10.1245/s10434-014-3524-x. PMID: 24515567; PMCID: PMC4128907.

**Wang X**, Bullock AJ, Zhang L, Wei L, Yu D, Mahagaokar K, **Alsop DC**, Mier JW, Atkins MB, Coxon A, Oliner J, Bhatt RS. The role of angiopoietins as potential therapeutic targets in renal cell carcinoma. *Transl Oncol*. 2014 Apr;7(2):188-95. doi: 10.1016/j.tranon.2014.02.003. PMID: 24704536; PMCID: PMC4101387.

Warraich HJ, Gandhavadi M, **Manning WJ**. Mechanical discordance of the left atrium and appendage: a novel mechanism of stroke in paroxysmal atrial fibrillation. *Stroke*. 2014 May;45(5):1481-4. doi: 10.1161/STROKEAHA.114.004800. PMID: 24643411.

Wax J, Minkoff H, Johnson A, Coleman B, **Levine D**, Helfgott A, O'Keeffe D, Henningsen C, Benson C. Consensus report on the detailed fetal anatomic ultrasound examination: indications, components, and qualifications. *J Ultrasound Med*. 2014 Feb;33(2):189-95. doi: 10.7863/ultra.33.2.189. PMID: 24449720.

Weingärtner S, Akçakaya M, Roujol S, Basha T, Stehning C, Kissinger KV, Goddu B, Berg S, **Manning WJ**, Nezafat R. Free-breathing post-contrast three-dimensional T(1) mapping: Volumetric assessment of myocardial T(1) values. *Magn Reson Med*. 2014 Feb 5. doi: 10.1002/mrm.25124. [Epub ahead of print] PMID: 24554395; PMCID: PMC4122651.

Weiss N, **Goldberg SN**, **Sosna J**, Azhari H. Temperature-density hysteresis in X-ray CT during HIFU thermal ablation: heating and cooling phantom study. *Int J Hyperthermia*. 2014 Feb;30(1):27-35. doi: 10.3109/02656736.2013.860241. Epub 2013 Dec 10. PMID: 24325282.

Weiss N, **Sosna J**, **Goldberg SN**, Azhari H. Non-invasive temperature monitoring and hyperthermic injury onset detection using X-ray CT during HIFU thermal treatment in ex vivo fatty tissue. *Int J Hyperthermia*. 2014 Mar;30(2):119-25. doi: 10.3109/02656736.2014.883466. PMID: 24571175.

Wells CL, **Slanetz PJ**, **Rosen MP**. Mismatch in Breast and Detector Size during Screening and Diagnostic Mammography Results in Increased Patient Radiation Dose. *Acad Radiol*. 2014 Jan;21(1):99-103. doi: 10.1016/j.acra.2013.10.005. PMID: 24331271.

Westra C, **Dialani V**, **Mehta TS**, **Eisenberg RL**. Using t2-weighted sequences to more accurately characterize breast masses seen on MRI. *AJR Am J Roentgenol*. 2014 Mar;202(3):W183-90. doi: 10.2214/AJR.13.11266. PMID: 24555613.

Xie H, Hanai J, Ren JG, Kats L, Burgess K, Bhargava P, Signoretti S, Billiard J, Duffy KJ, **Grant A, Wang X**, Lorkiewicz PK, Schatzman S, Bousamra M 2nd, Lane AN, Higashi RM, Fan TW, Pandolfi PP, Sukhatme VP, Seth P. Targeting lactate dehydrogenase--a inhibits tumorigenesis and tumor progression in mouse models of lung cancer and impacts tumor-initiating cells. *Cell Metab.* 2014 May 6;19(5):795-809. doi: 10.1016/j.cmet.2014.03.003. PMID: 24726384; PMCID: PMC4096909.

Yamada K, **Slanetz PJ, Boisselle PM**. Perceived benefits of a radiology resident mentoring program: comparison of residents with self-selected vs assigned mentors. *Can Assoc Radiol J.* 2014 May;65(2):186-91. doi: 10.1016/j.carj.2013.04.001. PMID: 24054832.

Yarmish GM, **Smith MP, Rosen MP**, Baker ME, Blake MA, Cash BD, **Hindman NM**, Kamel IR, Kaur H, Nelson RC, Piorkowski RJ, Qayyum A, Tulchinsky M. ACR appropriateness criteria right upper quadrant pain. *J Am Coll Radiol.* 2014 Mar;11(3):316-22. doi: 10.1016/j.jacr.2013.11.017. PMID: 24485592.

Yee J, Kim DH, **Rosen MP**, Lalani T, Carucci LR, Cash BD, Feig BW, Fowler KJ, Katz DS, **Smith MP**, Yaghmai V. ACR Appropriateness Criteria colorectal cancer screening. *J Am Coll Radiol.* 2014 Jun;11(6):543-51. doi: 10.1016/j.jacr.2014.02.006. PMID: 24793959.

Yeon SB, Salton CJ, Gona P, Chuang ML, Blease SJ, Han Y, Tsao CW, Danias PG, Levy D, O'Donnell CJ, **Manning WJ**. Impact of age, sex, and indexation method on MR left ventricular reference values in the framingham heart study offspring cohort. *J Magn Reson Imaging.* 2014 May 12. doi: 10.1002/jmri.24649. PMID: 24817313.

Zaidman CM, **Wu JS**, Wilder S, Darras BT, Rutkove SB. Minimal training is required to reliably perform quantitative ultrasound of muscle. *Muscle Nerve.* 2014 Jul;50(1):124-8. doi: 10.1002/mus.24117. PMID: 24218288; PMCID: PMC4102884.

Zhang E, **Kircher MF**, Koch M, Eliasson L, **Goldberg SN**, Renström E. Dynamic Magnetic Fields Remote-Control Apoptosis via Nanoparticle Rotation. *ACS Nano.* 2014 Apr 22;8(4):3192-201. doi: 10.1021/nn406302j. PMID: 24597847.

Note that publications with PMCID numbers denote NIH-funded author manuscripts. (PMCIDs are also required by BIDMC grant administration policy for further funding applications and are included in this bibliography for your convenience.)

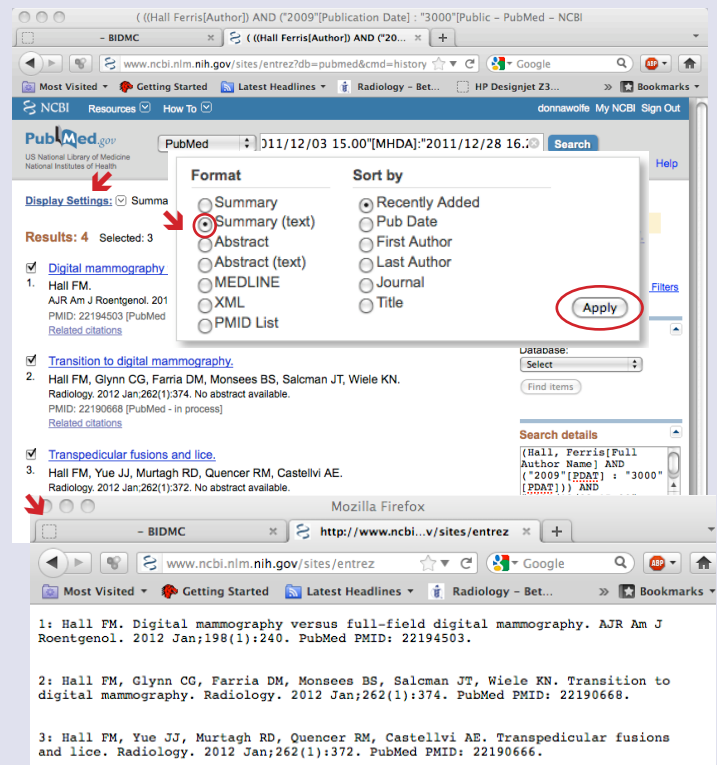
## Update on PubMed Tip for automatic formatting:

Did you know that PubMed can automatically convert publication citations into the format we use?

For each citation you have checked, instead of retyping,

1) click on **"Display Settings"** to view a drop down menu and click on 2) **Summary (text)** and then 3) click **"Apply"**. PubMed will display all the citations you asked for in the format we use here at HMS.

Copy and paste into MS Word using the **Paste Special** function in the Edit drop down menu in Word and click on "Unformatted Text". When you press "OK", the citations will paste into Word with the correct line spacing and in your default font (Times or Times New Roman)!



### \*New citations in blue...

Thanks to technology, PubMed is able to immediately list citations as they are published online (*Epub Ahead of Print*). These are listed in our bibliography in blue type denoting "new" publications; however, please note that when the print version comes out, the citation does not appear in blue as a new item, it is merely updated. So when updating your CVs from this bibliography, please keep checking for final citations which include print data. For example:

Ellis RJ, Norton AC, Overy K, Winner E, **Alsop DC**, Schlaug G. Differentiating maturational and training influences on fMRI activation during music processing. **Neuroimage.** 2012 Feb 9.

Ellis RJ, Norton AC, Overy K, Winner E, **Alsop DC**, Schlaug G. Differentiating maturational and training influences on fMRI activation during music processing. **Neuroimage.** 2012 Apr 15;60(3):1902-12.

Radical Views is published monthly (except for a hiatus in August). To submit corrections, news, comments, and publications, please email Donna Wolfe, Editor at: [dwolfe@bidmc.harvard.edu](mailto:dwolfe@bidmc.harvard.edu) or call 617-754-2515