



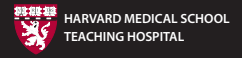
Radical Views...

from the Department of Radiology

Volume 9, Number 1
JULY 2016



Beth Israel Deaconess
Medical Center



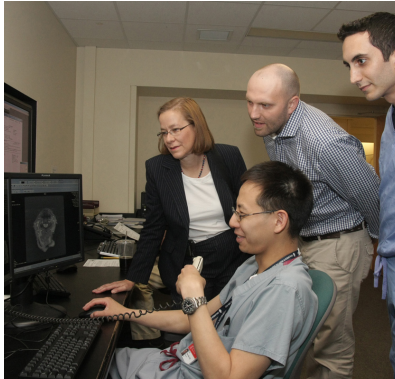
FROM THE CHIEF
Jonathan B. Kruskal, MD PhD

Congratulations Drs. Slanetz, Pisano and Bankier! What an amazing way to kick off our new year.

I am very proud to announce that the Dean of Medical Education at HMS, Ed Hundert, MD, has just

appointed **Priscilla Slanetz** to lead the radiology clerkship committee at HMS. As radiology education of medical students transforms out of the classroom and away from didactic lectures, we should anticipate and plan for greater involvement with direct patient care and the practical aspects of imaging.

Priscilla is an award winning teacher who will bring her expertise to this new portfolio, and is ideally suited to lead educational innovations for the medical



students at HMS. Based on her experience with residents, Priscilla will also be able to emphasize the contemporary challenges we embrace, such as appropriateness, utilization, dose, metrics, healthcare reform and informatics. Please join me in congratulating Priscilla on this appointment.

[Check out our Pub Callout on pg 34 for her latest work with BIDMC staff - and trainees- in Academic Radiology]



I am also very pleased to congratulate **Etta Pisano**, Vice Chair of Research, for being invited to represent medical imaging at the National Cancer Moonshot Initiative in Wash., DC on June 29th.



Pisano to Represent Medical Imaging at Cancer Moonshot National Summit

June 13, 2016

ACR member and renowned radiology researcher **Etta Pisano, MD, FACR**, will represent the medical imaging community at the June 29 National Summit for the National Cancer Moon Shot Initiative in Washington. The daylong conference is intended to galvanize the Obama Administration's push to double the pace of research toward curing cancer through the \$1 billion National Cancer Moonshot initiative.

The invitation enabling the Academy of Radiology Research (ARR) to send Pisano, who serves on the Academy's executive committee, is considered progress toward expanding the profile of imaging in the Moonshot program, headed by Vice President Joe Biden.

The radiology community, via the ARR, expressed concern regarding the lack of medical imaging expertise on the task force and blue ribbon panel that administer the Moonshot effort. The initiative's ambitious timetable calls for the National Cancer Institute to announce final research recommendations in August.

Pisano is vice-chair of research and a staff radiologist at Beth Israel Deaconess Medical Center. She was primary investigator for the landmark American College of Radiology Imaging Network (ACRIN) Digital Mammographic Imaging Screening Trial (DMIST), which showed that digital mammography was as accurate as film mammography in most women.

DMIST also showed that digital mammography detected more cancers than screen film in younger women, premenopausal and perimenopausal women, and women with dense breasts.

Announcement featured on the ACR Home Page (reprinted in higher resolution)

Please see page 2 for Dr. Bankier's achievement in the Fleischner Society.
- Jonny



At the Annual Meeting of the Fleischner Society on June 11-12, 2016, in New York City, **Alexander A. Bankier, MD PhD**, took over the presidency of the Society for this upcoming year.

Left: The presidential gavel was handed over to Alex by now immediate past-president William D. Travis, MD, Director, Thoracic Pathology at Memorial Sloan Kettering Cancer Center in New York.

The Fleischner Society is an international, multidisciplinary medical society for thoracic medicine, dedicated to the diagnosis and

treatment of diseases of the chest. Founded in 1969 by eight radiologists whose predominant professional interests were imaging of chest diseases, the Society was named in memory of **Felix Fleischner**, first radiologist-in-chief at Beth Israel Hospital. Felix Fleischner was an inspiring educator, clinician, and researcher who made many pivotal contributions to the field of chest radiology. The Society has an active membership of approximately 70 members and approximately 40 senior members who have retired from active medical practice or work in medical science

after years of active membership in the Society. Radiology at BIDMC has strong historical ties to the Fleischner Society: **Morris Simon**, another former radiologist-in-chief at Beth Israel Hospital, was a founding member of the Society and he designed the first version of the society's logo. **Phil Boiselle** is also a current active member. BIDMC Radiology also holds an annual Felix and Risa Fleischner Lecture and dinner as part of our annual graduation celebrations for residents and fellows.

The Fleischner Society maintains a diverse membership that includes experts in adult and pediatric radiology, pathology, adult and pediatric pulmonary medicine, thoracic surgery, physiology, morphology, epidemiology, and other related sciences. The membership supports a primary role of the Society, which is the publication of formal statements ("White Papers") that have since been adopted as the standards in chest imaging. Well known examples of White Papers include recommendations for the management of incidentally detected pulmonary nodules and the glossary of terms for thoracic imaging.

The Fleischner Society meets annually for scientific sessions where the latest advances in chest disease diagnosis and treatment are presented and discussed. While the preparation of Fleischner White Papers is a year-round activity, the annual meeting serves as an important touch point for discussion and consensus around these topics. The upcoming Annual Meeting will be organized by Alex and will be held at Wiley Inn and Conference Center at Endicott College, Beverly, MA, in June 2017, immediately preceding the World Congress of Thoracic Imaging in Boston.

Fleischner 2016 Graduation Dinner: *Exchange Conference Center, Boston Fish Pier*



Above (l to r): Fleischner organizers - Residency Program Coord. **Lynne Mills**, Residency Dir. **Priscilla Slanetz** and Medical Education Programs Mgr. **Katie Armstrong** enjoy a happy moment at this newest Fleischner waterfront venue.

Right: **Robert Kane** enjoys a glass with Fleischner guest of honor **Keith Dreyer** and far right: **Dr. and Mrs. Raptopoulos** welcome a guest visit from former MRI Chief **Neil Rofsky** and his wife who were also in town and able to join us for the 23rd Annual Risa & Felix Fleischner Graduation Dinner.



Fleischner 2016 - Graduating Fellows and where they are going next!



ABD IMAGING
presented by
Bettina Siewert

Borko Kereshi, MD - Staff Radiologist, Lancaster Radiology Associates, Lancaster General Hospital, Lancaster PA

Almamooun Justaniah, MD - Staff Radiologist, King Abdulla Medical City, Makkah, Saudi Arabia

Christina M. Chingkoe, MD, FRCPC - Staff Radiologist, Rouge Valley Health System and The Scarborough Hospital, Toronto, ON Canada

Trevor C. Morrison, MD - Attending in the ER and Body Sections; Director of Ultrasound, Boston Medical Center, Boston MA

Michele Perillo, MD CM, FRCPC - Staff Radiologist, McGill University Health Centre, Montreal, Canada

Summit Sawhney, MD, FRCPC - (Not shown)
Staff Radiologist, Foothills Medical Center, Calgary, Alberta, Canada

BODY MRI *[presented in absentia]*



Kristy Lee, MD, FRCPC - Staff Radiologist, Peace Arch Hospital Vancouver, British Columbia, Canada

Katherine M. Troy, MD - Wisconsin Radiology Specialists, Milwaukee, WI

CARDIOTHORACIC presented by Paul Spirn



Dominique C. DaBreo MD, FRCPC - Cardiothoracic Radiologist at Kingston General Hospital and Hotel Dieu Hospital, Queen's University, Ontario, Canada

BREAST IMAGING

presented by Jordana Phillips



Ann Leylek Brown, MD - Breast Imager, University of Cincinnati Medical Center, Cincinnati, OH

Monica D. Agarwal, MD - Private Practice, Seattle Radiologists, Seattle, WA



MSK
presented by
Jim Wu

Patrick Redmond, MD - VIR Fellow, BIDMC

Stephanie L. Coleman, MD, MPH - Attending, Kaiser Permanente, Baldwin Park, CA



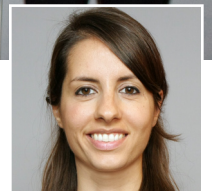
NEURORADIOLOGY presented by Rafeeqe Bhadelia

Sanford F. Brown, MD - Private practice, South Coast Radiology, Rhode Island

Roger Liu, MD - Private practice, Medical Imaging Northwest, Tacoma, WA

Priyanka Prakash, MD - Staff Radiologist, St. Vincent Hospital, Worcester, MA

Fatemeh Kadivar, MD - [inset] Private practice, Colorado Imaging Associates, Denver



Fleischner 2016 - Graduating Fellows and where they are going next!



Javier Perez-Rodriguez, MD - Private practice, National Radiology Consultants, PA. Oak Hill hospital, Hernandez county, FL

Daniel H. MacArthur, MD - Private practice, Radiologic Associates of Middletown, Middletown CT

Edward H. Ahn, MD - Private Practice at Advanced Radiology in Maryland

Ari Sacks, MD - Private practice, L&M radiology in Lawrence and Meuthen, MA



This was particularly special for interventionalist (and former IR Chair) Barry Sacks and his wife Yvonne, to be able to celebrate their son Ari's graduation.

Departmental In-house Awards:



Dr. Kruskal presented the 2016 Risa & Felix Fleischner Young Investigator Award to graduating resident **Matthew Miller**



Dr. Kruskal also presented the 2016 RSNA Roentgen Resident/Fellow Research Award to Cardiothoracic Imaging Research Fellow **Benedikt Heidinger**



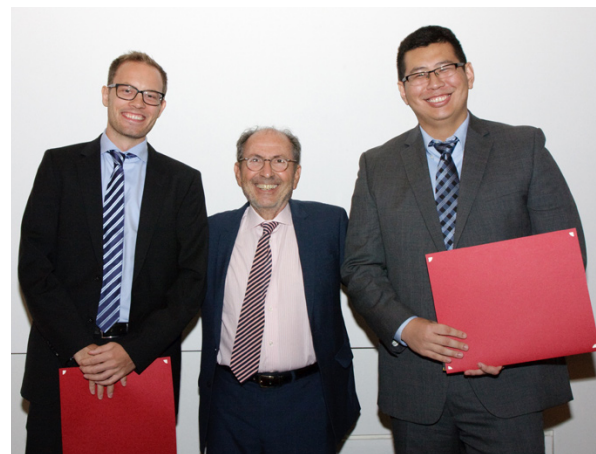
Hannah Perry with Abdominal Fellow **Christina Chingkoe** who was voted Fellow of the Year



The new Q Award for Health Services Research was presented to graduating resident **Pritesh Mehta** and Body MRI Fellow **Katherine Troy** (not shown)



CT Research presented by Vassilios Raptopoulos



Johannes Boos, MD - Returns to to Duesseldorf University Hospital, Germany for 2 more years of Rad Residency

Jieming Fang, MD - Staying on at BIDMC in Abd/CT Research

NMMI Research presented by Jonny Kruskal



Elisa Franquet, MD - Internship, Fort Worth, TX

Fleischner 2016 - Graduating Residents



What's next for the graduating Residents:

Caitlin M. Connolly, MD - Nuclear & Molecular Imaging Fellow, DFCI

Lauren E. Ferrara, MD - IR Fellow, BWH

David B. Khatami, MD PhD - Neuro Fellow, BIDMC

Jonathan Y. Kim, MD - Neuro Fellow, BIDMC

Pritesh J. Mehta, MD - Neuro Fellow, BIDMC

Matthew M. Miller, MD PhD - Breast Fellow, Duke University, Durham, NC

D. Amanda Rigas, MD - IR Fellow, Medical College of Wisconsin, Milwaukee, WI

Neda I. Sedora-Roman, MD - Interventional Neuro Fellow, University of Pennsylvania, Philadelphia, PA

Yuri Shif, MD - MSK Fellow, BIDMC

George J. Watts, MD - MSK Fellow, Thomas Jefferson University, Philadelphia, PA



Graduating Chief Residents: **Caitlin Connolly, George Watts** and **Amanda Rigas**.

Caitlin was also recognized with the 2016 Humanism Award for "for best demonstrating the ideals of compassionate and respectful care for the physical and emotional well being of patients".



Chip Watts: Voted by his class as this year's first Valedictorian, he considered BIDMC to be "Harvard with a Heart" and also spoke on the value of family and friends in supporting the resident's training – as well his first encounter with Ferris Hall. (Chip was also presented with the Berezin Award for clinical mentoring of fellow residents)



Priscilla Slanetz also presented Resident awards for teaching medical students + Distinguished Senior Resident Teaching Awards to both **Matthew Miller** and **Yuri Shif**

Fleischner 2016 - Faculty Awards



Dr. Kruskal was delighted to present The Section of the Year Award to **Abdominal Imaging** (finally, after years and years of trying!) to section chief Koenraad Mortelet technically *in absentia!*



The new and 1st annual Meteor Award for greatest impact and positive influence on the graduating class was presented to **Bettina Siewert**



Priscilla Slanetz presented Faculty Awards for Excellence in Teaching Medical Students to **Jim Wu, Paul Spirn and Gillian Lieberman** (not shown).



Dr. Kruskal presented the Norman Joffe Award given in Recognition of the Faculty Member *Who Best Exemplifies the Spirit & All Around Talent of the General Radiologist*: **Rafael Rojas** (left) and **Leo Tsai** (right, with Hannah Perry)



Dr. Kruskal presented the Ferris Hall Faculty Award for Excellence in Teaching Residents to neuroradiologist **Yu-Ming Chang** which nearly coincides with his 1-year anniversary as a BIDMC faculty member



Fleischner 2016 Lecture



We were honored to have **Dr. Keith Dreyer**, HMS Associate Professor of Radiology, Vice Chair of Radiology and Director of the Center for Clinical Data Science at MGH present the 23rd Annual Risa and Felix Fleischner Grand Rounds Lecture, **"When Machines Think: Radiology's Next Frontier"** on Friday, June 17th.

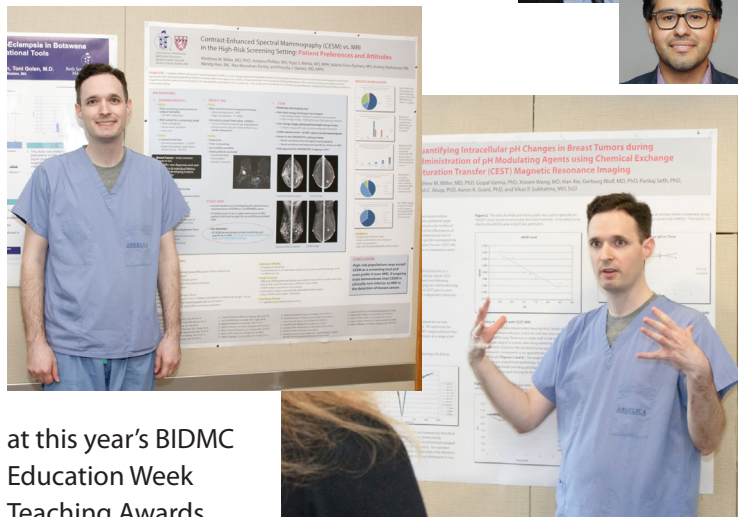
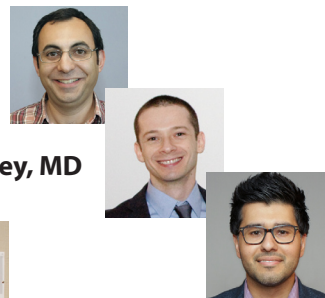
Dr. Dreyer has long been a leader in radiology informatics and has been instrumental in the clinical implementation of computer order entry, decision support and structured reports. He has led efforts to convert unstructured to searchable structured reports, to secure meaningful use dollars for radiologists, and in developing voice recognition products. Most recently, Dr. Dreyer was appointed Executive Director of the MGH Clinical data Science Center formed to drive efficiency, safety and improved delivery of value.

As Chairman of the ACR's Informatics Commission and Data Science Committee, Dr. Dreyer is leading efforts to improve our next big disruptive technology, big data and machine learning. This Fleischner address considered the emerging role and impact of efforts by Google and IBM's Watson to disrupt our current workflow and help us confront the realities of growing volumes and data, a predicted manpower shortage and requirements to improve safety and efficiency.

His presentation was very well received!

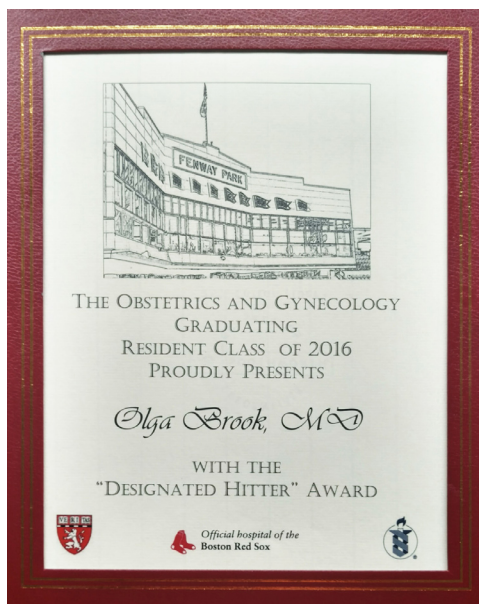
Just a few more end-of-year awards:

In addition to the teaching awards issued to graduating residents **David Khatami, MD PhD** and **Yuri Shif, MD** and Abdominal Fellow **Summit Sawhney, MD**



at this year's BIDMC Education Week Teaching Awards Ceremony held at

the Shapiro Clinical Center, Rabkin Board Room, on Monday, June 2016, graduating resident **Matthew Miller, MD PhD** was also chosen to present two research posters as part of the Education Week activities.



Dr. Olga Brook, Interventionalist and Associate Director for CT, was recognized this year by OB/GYN residents with a **Designated Hitter Award!**



Residency Program Tuesday Breakfast Awards -

The following were presented during a ceremony held in the Clouse conference room over breakfast:

Nominations for these awards were solicited from PGY2/3 for the PGY-5 class and the PGY-5 class were asked to nominate for the other awards that went to underclassman). Each award had a "prize" – for example, Mr. Congeniality got a paper crown; the Conde Nast Traveler Award came with a globe; Mr. Clean got a bottle of Mr. Clean; the Nice Guy got a smiley cookie on a pop; Vogue and Teen Vogue came with a copy of these magazines, respectively.



Awards to 4th year residents



"Wonder Woman" – awarded for her success at managing motherhood and Chief Residency: **Caitlin Connolly**



"Renaissance Man" - awarded to recognize his talents in videography, chocolate-making and research: **Matthew Miller**



"Vogue" - awarded to the best-dressed resident in the program: **Lauren Ferrara**



"Acrobat" – awarded to recognize her educational efforts to flip the classroom: **Amanda Rigas**



"Nice Guy" - awarded to the nicest and most self-sacrificing person in the program: **David Khatami**



"Conde Nast Traveler" - awarded to recognize her outstanding commitment and work in underserved countries: **Neda Sedora-Roman**



"Nike" - awarded for his speed and strength while on service: **Jonathan Kim**



"Mr. Clean" – awarded to the cleanest resident on any service: **Yuri Shif**



"Scrubs" - awarded to recognize the depth of his wardrobe: **Pritesh Mehta**



"Mr. Congeniality" – awarded to the friendliest and most agreeable resident: **Chip Watts**

Other Awards



"Morgan Freeman" – awarded to the resident whose voice can be heard everywhere: **Joe Bravocco (1st yr)**



"Mooch" – awarded to residents who attended the most applicant dinners: **Jason Song (2nd yr resident) and Alexei Kudla (1st yr)**



"Anthony Bourdain Parts Unknown" – awarded to our most experienced and committed tour guide: **Jawad Hussain (3rd yr)**



"Secret Service" – awarded to the BIDMC who can best impersonate a secret service agent: **Chris Hostage (2nd yr)**



"Captain America" – awarded to our most patriotic resident: **Alexei Kudla (1st yr)**



"Einstein" – awarded to a truly knowledgeable resident with the best hairstyle while on call: **Anthony Esparaz (2nd yr)**



"Teen Vogue" – awarded to the best-dressed junior resident: **Geunwon Kim (1st yr)**

Radiology Calendar JULY 2016

Check for the most up-to-date schedule at: <https://apps.bidmc.org/departments/radiology/residency/conferences/displayMonth.asp>

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	<i>Note that as of July 2016, our 12 noon Friday Grand Rounds will now be in the Rabkin Board Room, Shapiro-10, East Campus (except when noted otherwise)</i>
				1
4 Fourth of July Holiday	5 8:00 - 9:00 Welcome breakfast for residents 12:00 - 1:00 Neuro call prep session (Pritu Mehta)	6 8:00 - 9:00 2nd year town hall (Chief residents)	7 8:00 - 9:00 3rd year town hall (Chief residents)	8
11 7:30 - 8:15 Body lecture (TBD) 12:00-1:00 MRI Meeting [Ansin 2]	12 7:30 - 9:00 Body lecture (TBD) 10:30-11:30 NMMI meeting [GZ-103]	13 7:30 - 9:00 Body lecture (TBD) 12:00-1:00 Neuro Case Conference (neuro Fellows) 7:15-8:00 US meeting [WCC-304A]	14 7:30 - 9:00 Body lecture (TBD) 3:00-4:00 West MedRads - Sr Resident, West Body CT	15
18 7:30 - 9:00 Chest Lecture (TBD)	19 7:30 - 9:00 Chest Lecture (TBD) 8:00-9:00 IR Meeting [West Recovery]	20 7:30 - 9:00 Intro to neuroradiology (Salil Soman) 12:00-1:00 Neuro Case Conference (neuro Fellows)	21 7:30 - 9:00 Chest Lecture (TBD)	22
25 7:30 - 8:15	26 10:30-11:30 NMMI meeting [GZ-103]	27 12:00-1:00 Neuro Case Conference (neuro Fellows)	28	29

The Gallery presents

A World Travel Journal by

Aideen Snell, MSW

*Globe Trotting Backpacker,
Mom & Manager, Radiology
Service Excellence Program*

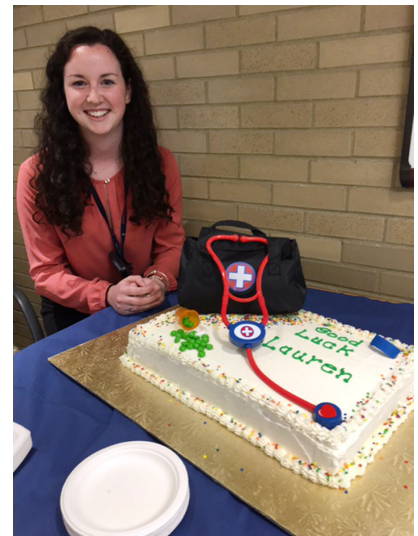


Please contact Donna Wolfe if you, too would like to share your photos, paintings or sculptures: dwolfe@bidmc.harvard.edu or 4-2515

BIDMC MRI wishes Lauren O'Loughlin Best Wishes in Medical School

On Thurs., June 30th, MRI said farewell to **Lauren O'Loughlin** who is leaving after 2 years in MRI Research to go to medical school at UMASS. Lois Gilden baked and frosted the fabulous cake with which the section sent her off!

Although we are sad to see her go and will greatly miss her, we are very proud of her and wish her well as she continues her education. - Lois Gilden



RESIDENCY PROGRAM NEWS



*Radiology Residency Program:
Priscilla J. Slanetz, MD, MPH, Director, and
Ronald Eisenberg, MD JD, Associate Director*



*Anu Shenoy-Bhangle, MD
New Associate Director*

Coinciding with the start of another academic year, we are pleased to welcome **Dr. Anu Shenoy-Bhangle as the new Associate Program Director**. She is particularly passionate about teaching and is sure to offer unique perspectives to the program given her diverse background and training.

We also want to thank **Justin Kung** for his multiple years of dedication to the residency program and wish him well in his new position as Director of Network Integration for the department.



Justin Kung, MD



In addition to having a new Associate Program Director, this year marks the start of our new wellness initiative. With burnout on the rise in our profession, it is critical that we instill life skills that promote wellness and balance. The program is comprised of a wide variety of activities ranging from quarterly birthday celebrations to community service. In addition, we have decided to monitor burnout levels and resiliency in our trainees throughout the year in order to better identify problematic experiences and develop targeted interventions. Although many of the activities are designed for residents, we hope that fellows and faculty will be interested in participating as well.

Our residency program has just begun its formal self-study as part of the new accreditation process. The self-study document outlining the strengths and areas for improvement has been submitted to the ACGME, and we look forward to the site visit which will take place in approximately 18 months. We have already made considerable progress on several of the initiatives listed on the self-study, including the wellness curriculum and redesign of the resident clinical rotations. We are excited about the prospect of developing and implementing a resident scorecard to capture resident performance on multiple levels. This will include clinical volume (total, relative to peers, by rotation), report accuracy, wet read discrepancy rates, report timeliness, communication skills, and research productivity, to name a few.

Finally, we would like to thank all the faculty members, technologists, and support staff who provide teaching and encouragement to the residents during their time with us at BIDMC. Without your dedication and support, we could not continue to have one of the best training programs in the country.

Below, we are also happy to introduce our incoming trainees to Katie Armstrong and Lynne Mills who are guaranteed to make your stay at BIDMC the most efficient and pleasurable.

– Priscilla and Ron



*Katie Armstrong
Manager, Medical
Education Programs*

Katie Armstrong joined Radiology as Manager of Medical Education Programs in March 2013. She works closely with the education leadership and administrators within the Department's extensive programs for residents, fellows and medical students. She also coordinates with the BIDMC Office of Graduate Medical Education and liaisons in other education offices in the Institution and at HMS. Previously, Katie was a Program Coordinator for the Internal Medicine Residency Program at Boston Medical Center (Boston University). Katie is a graduate of Northeastern University and completed coops with a public relations firm in Cape Town, South Africa and with the Massachusetts Convention Center Authority. Katie's office is located on Shapiro 408, her email is: kearmstr@bidmc.harvard.edu and she can also be reached by phone at 7-3532.



*Lynne Mills
Program Coordinator,
Radiology Residency*

Lynne Mills, Program Coordinator of the Diagnostic Radiology Residency Program joined our department in 2015. Prior to joining BIDMC, Lynne worked at Boston Children's Hospital for nearly 10 years as a Communications Specialist in the Department of Medicine and, more recently, the Division of General Pediatrics. Born and raised on the South Shore, Lynne attended Curry College in Milton, MA, where she earned a BA in Communication and Education. When not at work, Lynne enjoys sewing, refurbishing furniture and making custom clutch bags. Lynne's enthusiastic personality and experience in medical education have made her a wonderful addition to our team. Lynne's office is located on Shapiro 4 and she can be reached at lmills1@bidmc.harvard.edu or x7-3552.

Welcome to Academic Year 2016 - With the new academic year kicking into full gear on July 1st, we are once again delighted to welcome our incoming residents, clinical and research fellows to our department and offer the following introductions to help everyone bond into our Radiology family.

1st Year Residents (PGY-2)



Janeiro Achibiri, MD - graduated from UT Southwestern Medical School in Dallas. She returns to Boston where she earned a BA in Biology from Boston University and served as an environmental educator at the New England Aquarium and a choreographer/teacher of African dance. When not at work, she is also quite proud of her dog/puppy training skills.



Trevor K. Lewis, MD, MS - graduated from the University of South Florida Morsani College of Medicine in Tampa. Since 1998, he has served in various roles in the US Navy incl. officer, dept. head, and nuclear electrician's mate earning two medals and a letter of commendation. He enjoys his family, reading and training in Brazilian jiu-jitsu.



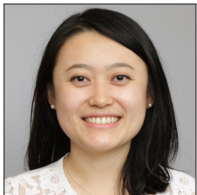
Sean D. Burn, MD - graduated from the University of Connecticut School of Medicine. In 2013, Sean was part of a medical team who treated >500 patients in villages along the Amazon River and has also served as a member of Habitat for Humanity in North Carolina building homes for those in need. When at

home, he enjoys long-distance running, mountain biking, rock climbing and percussion.



Ronald W. Mercer, MD - graduated from the University of Central Florida College of Medicine in Orlando. He too is a Habitat for Humanity volunteer home builder as well as the founder of a student run medical clinic in Orlando; fluent in Spanish, he also delivered care to the people of Cuzco and Quillabamba, Peru as part of a

medical outreach mission. He loves playing sports incl. martial arts and weight training, and is an avid Chicago sports fan.



Yi Cao, MD - graduated from the Warren Alpert Medical School of Brown University, Providence, RI during which she also studied Traditional Chinese Medicine in Hangzhou, China and spent 4 months in the Wilderness Medicine Preclinical Elective of the Alpert Medical School. When not working, she enjoys playing piano and violin,

travel, tennis, basketball, cooking cultural foods and drawing. Speaks Mandarin Chinese and Spanish.



Laura S. Misbach, MD - graduated from Tufts University School of Medicine, Boston after completing a BA in Psychology and a Post-Baccalaureate Pre-Med Studies Program both at Tufts University. Her experience as a pianist, actor and Director of Performing Arts, as well as her interest in conversational French (and some Italian and Greek) has no doubt helped her relate easily to patients.



Fady El-Gabalawy, MD - graduated from UC San Diego School of Medicine after earning a BS in computer science at California Institute of Technology. His academic interests include machine learning and computer vision in medical imaging and he enjoys travel, running and crossword puzzles when not working.



Pei-Kang (Ken) Wei, MD - graduated from the Geisel School of Medicine at Dartmouth College, NH after completing a BS in Biochemistry at the University of Wisconsin-Madison, WI. When not working, he enjoys oil painting, cooking, indoor climbing, yoga, learning languages, and traveling. Also speaks Mandarin Chinese.



Mohammed Elsayed, MD - graduated from the University of Central Florida College of Medicine in Orlando. Experienced in teaching and research, he is also a founding member of UCF Habitat for Humanity building homes in many states and enjoys soccer, hiking and camping, cooking, biking and ping pong.



Brian Y. Zhao, MD - After earning a BA in Chemistry and Economics at Dartmouth College, NH, Dr. Zhao served as a Management Consultant in New York City before earning his MD at Stony Brook University School of Medicine, NY. He studied Chinese language, history and literature at Beijing Normal University in China

through Dartmouth's study abroad program. Fluent in Mandarin, he enjoys skiing, tennis, comedy and astrophysics when at home.



3rd Year Resident (PGY4) - *Please also welcome*

Benjamin Carney, MD - has transferred from the University of Washington Diagnostic Residency Program in Seattle, WA where he was recognized with the following awards in 2015: Nuclear Medicine Outstanding Resident, Certificate of Excellence in Cardiothoracic Radiology and Outstanding Day Resident in Emergency Radiology. Dr. Carney earned his MD at the University of Illinois at Chicago and in 2013, he was made a Gold Humanism Honor Society Member 2013.

Abdominal Imaging



Fernanda Caseira Cabral, MD – completed her MD and residency at the Universidade Federal Fluminense, Rio de Janeiro, Brazil, as well as an MRI fellowship, also in Rio before coming to Boston where she completed fellowships in Clinical Cancer Imaging (DFCI), Chest and Emergency Radiology (BWH) and PET/CT and Nuclear Oncology (DFCI). In addition to English, she is also fluent in French and Portuguese.



Patricia C. Jo, MD – earned her MD at the University of Saskatchewan, Saskatoon, and completed residency training at the University of Calgary, Alberta, Canada. Outside of medicine she is active in music, dance, and graphic arts for which she has received numerous awards. She believes her lifelong interest in studio art and piano have helped her to develop excellent hand-eye coordination necessary for exceptional procedural skills.



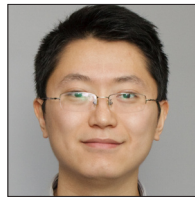
Laura E. Miller, MD – earned her MD at Tufts University, Boston, a BS in biological sciences at Carnegie Mellon University, Pittsburgh, PA and completed residency at Bridgeport Hospital (Yale New Haven Health), CT. She credits her ability to problem-solve in new environments and among diverse groups of people to her travels which have included hiking in Costa Rica and driving through Turkey and the Czech Republic.



Robert A. Ruef, MD – earned his MD at New York Medical College Valhalla, NY and then spent 2 years working on a Post-baccalaureate Research Training Award from the National Institute of Child Health and Human Development, Bethesda, MD before completing his residency at Boston University Medical Center. His experience working in emergency settings and being an avid climber have helped motivate him to specialize as a body radiologist.



Azize Sahin, MD – earned her MD at the University of Maryland School of Medicine in Baltimore and completed her residency at Northwestern Memorial Hospital in Chicago. Prior to medical school, she served as a research assistant at NIH's Cancer Genetics Branch to identify genetic variances in defective genes. When not working, she enjoys perfecting her krav maga skills and is fluent in both English and Turkish.



Yifei Wang, MD – earned his MD at University of Western Ontario, London and a BSc in Engineering Science at the University of Toronto, Ontario and completed his residency at McGill University, Montreal, Quebec. Eager to begin training in the mix of advanced imaging modalities and image-guided procedures inherent in this fellowship, he attributes his manual dexterity and hand-eye coordination used to perform a biopsy or a drainage to his skill at playing the guitar and violin.

Body MRI



David Becker-Weidman, MD – earned his MD at Emory University School of Medicine in Atlanta, GA and completed his residency at Thomas Jefferson University in Philadelphia, PA. He also holds a BA in Biology from the University of Pennsylvania.



Tarek M. Hegazi, MBBS FRCPC – earned his medical degree from King Faisal University, Dammam, Saudi Arabia, completed residency at McGill University in Montreal, Canada and a fellowship in Musculoskeletal Radiology at Thomas Jefferson University in Philadelphia, PA. An avid athlete and sports fan with an interest in marketing, he served as the Student Brand Manager for Red Bull energy drink and he also loves international travel and food.



Dinushi S. Perera, MD – earned her MD from Tulane University School of Medicine in New Orleans and completed residency at Pennsylvania Hospital, Philadelphia. She also holds a BS in Biology/Biochemistry and Spanish as well as an MS in Physiology and Biophysics from Georgetown University, Wash. D.C. When not working, she enjoys cooking, dance and travel.



*Karen S. Lee, MD
Director, Radiology
Fellowship Programs*

Welcome Radiology Fellows

We are very happy to welcome a terrific, talented, and diverse group of 23 fellows into our 7 clinical Radiology fellowship programs (as well as introduce you to our current research fellows)! 2016-17 promises to be an exciting academic year as we begin to implement a variety of initiatives from the ACGME self studies for Abdominal Imaging, Neuroradiology, and Vascular & Interventional Radiology in concert with the Radiology residency program and hopefully apply them to all fellowships throughout the department. Our general call system for fellows will also be redesigned this year for improved efficiency and shorter report turn-around-times for after-hours exams. We look forward to an educational and productive year!

Breast Imaging



Rashmi J. Mehta, MD, MBA – completed residency training at BIDMC and fellowship training in Pediatrics at Boston Children's Hospital before returning to BIDMC as a fellow in Breast Imaging.



Sean D. Raj, MD – earned his MD at New York University School of Medicine, NY, NY and completed residency at Baylor College of Medicine, Houston, TX. He is also AMA trained and certified in ALS and Core Disaster Life Support. An avid skier, he also enjoys foreign films and cooking, specializing in South Asian

fare. He has also served as Lead Saxophonist and Director of the NYU School of Medicine band, the Winged Scapulas.



Nancy Resteghini, DO, MS – earned her medical degree from the University of New England College of Osteopathic Medicine in Biddeford, ME and her MS in Pain Research, Education and Policy from Tufts University School of Medicine, Boston before completing her residency at UMASS Medical School in

Worcester, MA. Fluent in French, she also has a working knowledge of Italian and Luganda, the major language of Uganda, which she learned as an Omni-Med volunteer in 2012 during her internship training.

Cardiothoracic Imaging



A. Fourie Bezuidenhout, MB ChB - comes to BIDMC from South Africa where he earned his medical degree from the University of Pretoria and completed radiology residency training at Tygerberg Hospital, Stellenbosch University, Western Cape. In 2014, he was selected as 1 of 16 global candidates to participate in

RSNA's Introduction to Research for International Young Academics Program in Chicago.



Please also welcome, **Love T. Williams**, our new Fellowship Programs Coordinator. She comes to BIDMC from Oregon Health & Science University, Portland, where she gained eight years' experience in

clerkship, residency and fellowship programs in various departments. When not at work, Love enjoys Native American traditional dance and also serves as tribal council woman for the Nipmuc nation in Grafton, MA. Love can be reached at 7-3536 or emailed: ltwillia@bidmc.harvard.edu

Musculoskeletal Imaging



Allen S. Prober, MD - earned his MD from New York Medical College in Valhalla, NY and completed residency at Tufts Medical Center, Boston. When not preparing presentations for RSNA, ASNR or ARRS, he enjoys politics, tennis, football, and cooking and is also fluent in Russian.



Yuri Shif, MD - completed his residency at BIDMC and earned his MD from University of Texas Medical School in Houston. As a resident he was 1st author on two papers: *Overnight Red Herring* and *What CPR Means to Surrogate Decision Makers of ICU Patients*. A passionate teacher, Yuri received the

2015-2016 Outstanding Resident Teaching Award and became a Distinguished Senior Teaching Faculty of the HMS Core Clerkship in 2016. He also loves rock climbing and swing dancing.

Neuroradiology



David Khatami, MD, PhD - completed his residency at BIDMC, earned a *Cum Laude* Award for his exhibit at RSNA, 2015; he also co-authored a paper in the American Journal of Radiology and was inducted into the BIDMC Academy of Medical Educators. He earned his MD and a PhD in engineering at

the University of Illinois and we look forward to his continuing achievements as a fellow. In his free time, he enjoys spending time with his wife and playing racquetball and still hopes to learn to play piano for relaxation.



Jonathan Y. Kim, MD - completed his residency at BIDMC. He earned his MD at Washington University in St. Louis School of Medicine and brought a strong background in teaching and clinical research. He hopes to build life-long friendships and become a strong clinical radiologist. With his interest in

technology, Jonathan continues to be a great fit for our ongoing iPad initiative.



Pritesh J. Mehta, MD - completed his residency at BIDMC after graduating from Case Western Reserve University School of Medicine. He completed an executive business program this year at Harvard Business School and hopes to carry over and integrate many of those relationships within

Radiology to help foster innovation. He brings forth a strong passion for teaching and scholarship, and when he's not chasing after his two-year-old toddler, loves to ski and play basketball.



Archana Siddalingappa, MD - earned her MD through the Advanced Physician-Scientist Program of Albany Medical College, Albany, NY/Rensselaer Polytechnic Institute and completed her residency at Case Western Medical Center University Hospitals, Cleveland, OH. Co-founder of radiology curriculum for

medical students and Co-leader of radiology residency education classes, she comes to BIDMC after finishing a fellowship in Body MRI at Johns Hopkins University, Baltimore, MD.

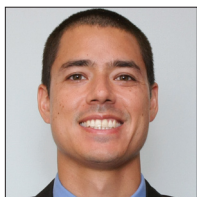
Vascular & Interventional Radiology



Roi Bittane, MD - earned his MD from the Sackler School of Medicine, Tel Aviv University, Israel and completed residency at the Winthrop-University Hospital, Mineola, NY. A certified pilot who has been flying since he was 15, he also enjoys martial arts, traveling/history and computers.



Ahmed Fadi, MD, MA - earned his MD from the SUNY Stony Brook School of Medicine in New York and completed residency at Winthrop-University Hospital, Mineola, NY. He also earned an MS in Applied Anatomy and as an undergraduate in Biophysics, he co-founded the Johns Hopkins University Billiards Association.



Patrick H.G. Redmond, MD - stays on for another fellowship, this time in VIR after completing an MSK fellowship and radiology residency at BIDMC. He earned his MD, *magna cum laude*, from Boston University School of Medicine and hopes to continue enjoying his family, traveling and all sports, especially tennis, basketball, golf and softball, as a new interventional fellow.



Brandon Shearer, DO - earned his medical degree from the Philadelphia College of Osteopathic Medicine and completed his residency at Drexel University College of Medicine, also in Philadelphia. With a BA in Life Science and BS in Wood Products, Business and Marketing, he brings an interesting set of skills to IR and also enjoys traveling, fishing and hiking.

Research Fellows*

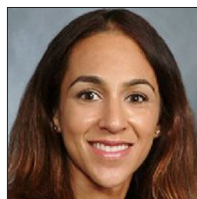


Nihara Chakrala, MBBS - has served as a research fellow in interventional radiology since July 2015. She earned her medical degree from Narayana Medical College, Andhra Pradesh, India. With her interest in fitness and health, travel, drawing and painting, she has acquired wide experience as a volunteer in malaria and polio eradication and social and preventative medicine in India.



Andrea Franconeri, MD - has served as a research fellow in Abominal Imaging since May 2016. He earned his MD from the University of Genoa, Italy and completed an internship in the Emergency and Surgical Oncology Departments of San Martino Hospital also in Genoa. An avid sportsman, he has served as a tennis instructor and athletic trainer in Italy.

New Faculty (Coming in August)



Emergency Radiology

Karina Illescas, MDCM - earned her medical degree at McGill University in Montreal, Canada following a BA in Politics, Hellenic Studies, Chemistry and Biology from New York University College of Arts and Science, NYC. She went on to complete an internship in Surgery and Medicine and Radiology residency at McGill University Health Center, finishing her training with a fellowship in Emergency Radiology/Body Imaging at Weill Cornell Medical Center, NYC. An avid runner, she also enjoys soccer, water polo and lacrosse and is fluent in French and Spanish and has conversational ability in Greek.



Emergency Radiology/
Neuroradiology

Vladimir Ivanovic, MD - earned his MD from the Medical College of Wisconsin in Milwaukee following a bachelor's in Biochemistry. He completed internship, radiology residency and a fellowship in Neuroradiology at the Mayo Clinic in Rochester, MN and served as a Radiologist at Wisconsin Radiology Specialists, Milwaukee before joining us at BIDMC. A passionate soccer player, he co-founded the Mayo Fellows United Soccer Club that six years later won the championships in the A League, Southern Minnesota Adult Soccer Association.



Vascular & Interventional Radiology

Sahil Mehta, MD - returns to BIDMC following a fellowship in Vascular & Interventional Radiology at MGH. He earned his MD at the University of Chicago's Pritzker School of Medicine and a BS in Civil Engineering from Columbia University in NYC before completing his radiology residency at BIDMC where he also completed mini-fellowships in both VIR and Global Health (which allowed him to help develop a tele-radiology program for the remote interpretation of radiographs from the Scottish Livingston Hospital in Botswana, Africa).



Ursula Nemec, MD - is a visiting Cardiothoracic research fellow who earned her MD from the Medical University of Vienna, Austria where she also completed her residency. A prolific academic, she has published 23 papers, with 7 as first author.

*See the March Issue of Radical Views for biosketches on 2016 incoming research fellows **Drs. Kevin Beker** (MRI), **Ching-Di Chang** (MSK) and **Alejandro Garces** (MRI)



BIDMC Radiology Department Code of Conduct

Our department is committed to leadership in the delivery of patient care through technical and clinical expertise in medical imaging. To be the best at what we do, we must hold ourselves to the highest standards. We have set the following values and expectations for ourselves in order to create the best working environment. By sharing these common goals we can build successful teams and a strong community that values safety, openness and respect for personal privacy and confidentiality.

Embrace the following values

- Honesty
- Integrity
- Trust
- Empathy
- Tolerance
- Compassion
- Equity

Exhibit Professionalism

- Be on time and fully engaged for meetings or lectures
- Show respect to patients and staff alike
- Give all stakeholders a voice
- Foster teamwork and be a good teammate
- Demonstrate a positive attitude and clean neat presentation in both dress and speech
- Seek to build a safe and supportive environment for a strong sense of community

Take Personal Responsibility

- Make patient care your number one priority
- Maintain the pursuit of excellence through continuous education, training, and professional certification
- Take a proactive, not reactive, approach
- Take the initiative and lead by example
- Provide a safe environment for all employees, free from bullying or coercion

Be Accountable

All Radiology employees must be accountable for their actions and empowered to hold others to the same standards. Accountability is evidenced by:

- Taking ownership of your work
- Following through on commitments
- Complying with all applicable policies and guidelines
- Making it safe and comfortable for employees to report problems or issues



Radiology Faculty 2016-2017








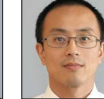

















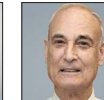
































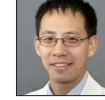







Beth Israel Deaconess
Medical Center













HARVARD MEDICAL SCHOOL
TEACHING HOSPITAL

Clinical and Teaching Faculty






The following
2 posters are DRAFTS
only, please contact
Donna Wolfe
at 4-2515 or
dwolfe@bidmc.harvard.edu
for any changes,
corrections, etc.
Thank you!

 Maneeb Ahmed, MD Vice Chair, Interventional Services / Chief, Vascular & Interventional Radiology 35326	 M. Julie Armada, MD Breast Imaging 30552	 Alexander A. Bankier, MD, PhD Chief, Cardiothoracic Imaging 30753	 Seth J. Berkowitz, MD Cardiothoracic & Interventional 94339	 Rafeeqe A. Bhadda, MD Clinical Director, Neuroradiology 31875	 Phillip M. Boelle, MD Cardiothoracic Imaging 33402	 Olga R. Brook, MD Vascular & Interventional / CT Associate Director, CT 90861	 Yu-Ming Chang, MD, PhD Neuroradiology 95253	 Felipe B. Collares, MD Vascular & Interventional 39676
 Vandana M. Dialani, MD Breast Imaging Director, Breast MRI 32581	 Kevin J. Donohoe, MD Nuclear Medicine & Molecular Imaging 32407	 Ronald L. Eisenberg, MD Cardiothoracic Imaging / MSK Assoc. Dir., Residency Prog. 30801	 Salomao Faintuch, MD Vascular & Interventional 38931	 Valerie Fein-Zachary, MD Breast Imaging 32841	 Alice Fisher, MD Neuroradiology / Community 91611	 Michael D. Fishman, MD Breast Imaging Pager	 Elisa N. Flower, MD Emergency / Neuroradiology 39321	 Joseph M. Fonte, MD Chief of Radiology, Harrington Hospital / Abd/MSK 00000
 David B. Hackney, MD Neuroradiology 33505	 Mary G. Hochman, MD, MBA Chief, Musculoskeletal Imaging 33000	 Karina Illescas, MDCM Emergency Radiology Abdominal Imaging 00000	 Vladimir Ivanovic, MD Emergency Radiology Abdominal Imaging 00000	 Robert A. Kane, MD Ultrasound / Abdominal Imaging 92055	 E. Jane Karimova, MD Breast Imaging 39145	 Jonathan Kleefeld, MD Neuroradiology 4-2009	 Gerald M. Kolodny, MD Chief, Nuclear Medicine & Molecular Imaging 31971	 Herbert Y. Kressel, MD Magnetic Resonance Imaging 7-0299
 Jonathan B. Kruskal, MD, PhD Chairman of Radiology, Abdominal Imaging 91408	 Justin Kung, MD Musculoskeletal Imaging Dir., Radiology Network Integration 91203	 Karen S. Lee, MD Emergency Radiology / MRI Director, Rad Fellowship Prog 91642	 Robin Levenson, MD Interim Chief, Emergency Radiology 32858	 Deborah Levine, MD Vice Chair, Academic Affairs / Director, OB/GYN Ultrasound 7-8901	 Gillian Lieberman, MD Director, HMS Student Radiological Education 4-2597	 Diana E. Litmanovich, MD Cardiothoracic Imaging Director, Cardiac Imaging 94016	 Colin McHardie, MD Ultrasound 31968	 Colin McMahon, MD Musculoskeletal Imaging 35854
 Sahil Mehta, MD Vascular & Interventional 00000	 Tejas S. Mehta, MD, MPH Chief, Breast Imaging 33053	 Koenraad J. Morteel, MD Chief, Abdominal Imaging / Director, MRI 35930	 Jenny Ni Muirdeartaigh, MD Musculoskeletal Imaging / Community 94354	 J. Anthony Parker, MD, PhD Nuclear Medicine & Nuclear Imaging 31978	 Jordana Phillips, MD Breast Imaging 93741	 Etta Pisano, MD Breast Imaging / Vice Chair, Research 7-3266	 Vassilios Raptopoulos, MD Vice Chair, Clinical Services Director, CT 32653	 Dean J. Rodman, MD Community Radiology Chief of Radiology, Needham 35130
 Rafael Rojas, MD Neuroradiology 34676	 Janeth Y. Romero, MD Thoracic Imaging / Ob/ Gyn US 91216	 Barry A. Sacks, MD Vascular & Interventional 91052	 Ammar Sarwar, MD Vascular & Interventional / Informatics 90857	 Sejal Shah, MD Emergency Radiology 94164	 Robert Sheiman, MD Abdominal Imaging Co-Director, Vascular Lab 33097	 Anuradha (Anu) Shenoy-Bhangle, MD Abdominal Imaging / Community 92833	 Bettina Siewert, MD Executive Vice Chair / Vice Chair, Quality Abdominal Imaging 35791	 Andrew M. Singer, MD Abdominal Imaging / Community 39748
 Sianetz, Priscilla J., MD, MPH Breast Imaging Director, Residency Program 90767	 Martin P. Smith, MD Abd Imaging / MRI Director, Community MRI 91218	 Saif Soman, MD, MS MR Radiology 33882	 Paul W. Spirn, MD Cardiothoracic Imaging 33484	 Maryellen R. Sun, MD Director, US Services Director, GU Imaging Abdominal Imaging / MRI 91701	 Leo Tsai, MD, PhD, MSc Abdominal Imaging / MRI 90858	 Girish Tyagi, MD Abdominal Imaging 33538	 Shambhavi Venkataraman, MD Breast Imaging 94023	 Jesse L. Wei, MD Abdominal Imaging / MRI Director, IT Radiology 39014
 Jeffrey L. Weinstein, MD Vascular & Interventional 30165	 Jim S. Wu, MD Musculoskeletal Imaging 38932							

Research Faculty & Technical/Adjunct Staff

 David L. Alsop, PhD Director, Basic and Translational Research Director, MR Research 7-0275	 Alexander Brook, PhD Statistician 7-0273	 Deborah Burstein, PhD MR Research 7-3349	 S. Nahum Goldberg, MD Adjunct Faculty Abd Imaging Research (4-2674 M. Ahmed)	 Aaron K. Grant, PhD MR Research 7-3265	 Warren J. Manning, MD Cardiac MR 31144
 Georgeta Mihai, PhD Physicist 7-0175	 Matthew R. Palmer, PhD Manager, Medical Imaging 38077	 Etta Pisano, MD Vice Chair, Research 7-3266	 Gopal Varma, PhD MR Research 7-0281	 Chun-Shan Yam, PhD Director, Departmental Computing 38076	 Da Zhang, PhD Physicist 92503

Per Diem Staff

 Janet Baum, MD Breast Imaging Harrington Hospital 508-765-30792	 Maria L. Darling, MD Breast Imaging 7-3102	 Peter Gross, MD Breast Imaging 35191
 Lynn Kim, MD Community Radiology 4-2506	 Phoebe Lewit Olhava, MD Breast Imaging 7-3102	 Laura Perry, MD Vascular & Interventional 32836

Residents (39)

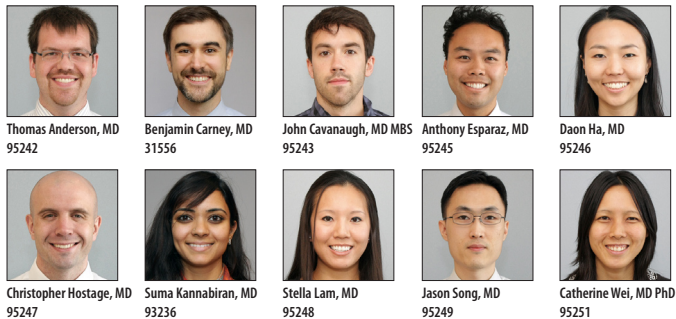
1st Years (10)



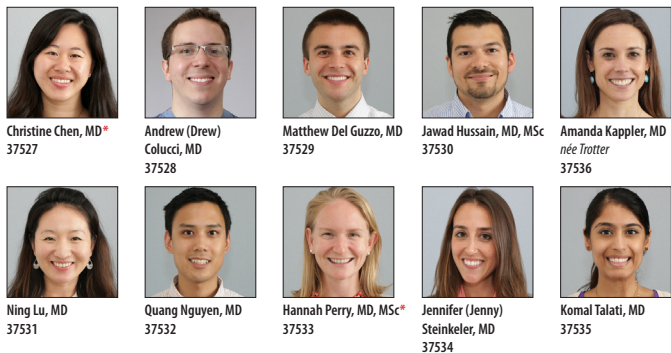
2nd Years (9)



3rd Years (10)

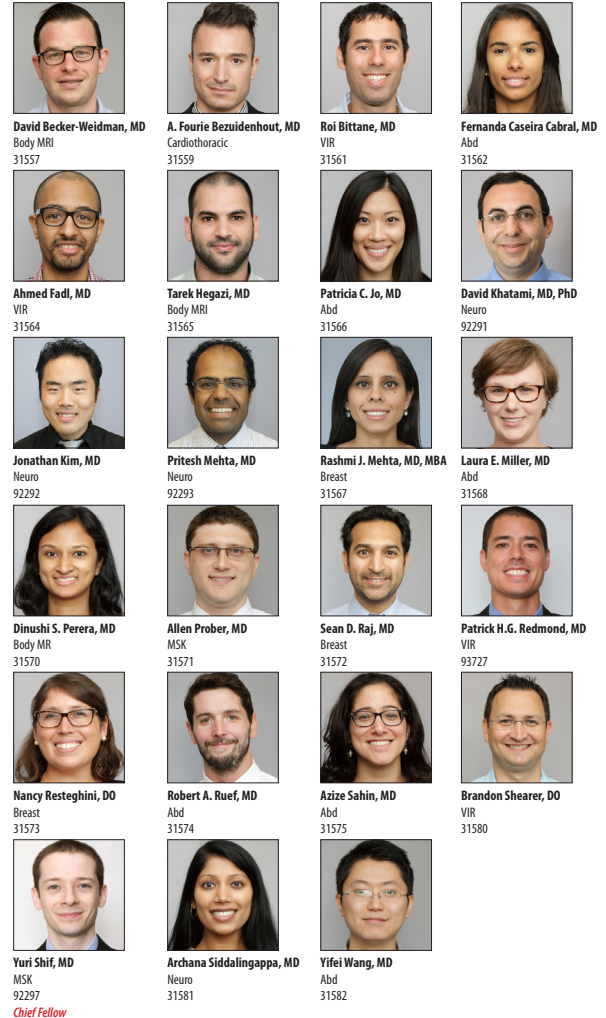


4th Years (10)



*Chief Residents: July 2016-June 2017

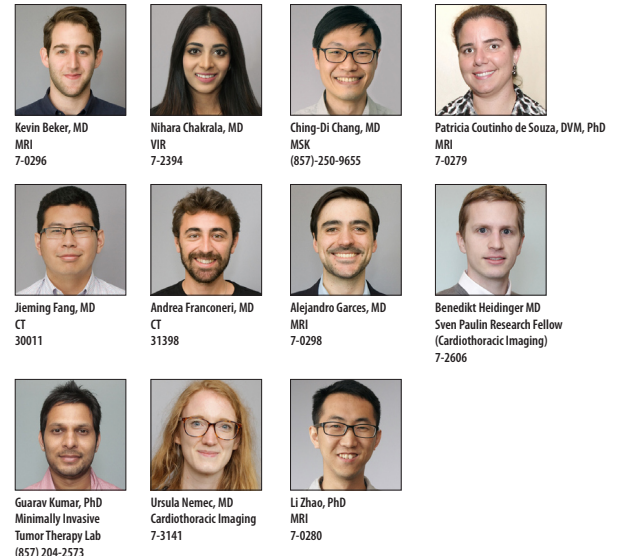
Clinical Fellows (23)



Clinical Fellows by Section:

Abd (6) - Caseira Cabral, Jo, Miller, Ruef, Sahin, Wang
 Body MRI (3) - Becker-Weidman, Hegazi, Perera
 Breast (3) - Mehta R, Raj, Resteghini
 Cardiothoracic - Bezuidenhout
 MSK (2) - Prober, Shif
 Neuroradiology (4) - Khatami, Kim, Mehta, P, Siddalingappa
 VIR (4) - Bittane, Fadi, Redmond, Shearer


Research Fellows (11)



1st ANNUAL BETTINA SIEWERT BIDMC ABDOMINAL IMAGING RESEARCH DAY:
Thurs, June 9, 2016

Chief of Abdominal Imaging and Director of MRI, Dr. Koenraad Mortele, welcomed us to the first annual Bettina Siewert Abdominal Imaging Research Day, named to honor the career efforts of Dr. Siewert who recently stepped down as Chief of Abdominal Imaging to serve as Executive Chair of Radiology in addition to serving as Vice Chair of Quality in Radiology.

Dr. Mortele started off with acknowledging the incredible clinical work efforts of this years Abdominal and body MRI fellows and thanked them for their efforts in pursuing research projects in addition to their clinical responsibilities. Held in the Clouse Conference Room in the Rosenberg Building (West Campus) on June 9th, the fellows presented the following talks:



Bettina Siewert, MD
Executive Vice Chair &
Vice Chair of Quality

Kristy Lee, MD (Body MRI) - Non-specific Common Bile Duct Dilation on Ultrasound: The Value of Subsequent MRCP and Role in Patient Management

Borko Kereshi, MD (Abd) - Abdominal-Pelvic MRI of Pregnant Patients: Acute Appendicitis and Beyond

Almamooun Justaniah, MD (Abd) - MRI of Cutaneous/ Subcutaneous Lesions seen on Body MRI Studies: The Skinny on Skin

Trevor Morrison, MD (Abd) - Diffusion-weighted Imaging of Pancreatic Ductal Adenocarcinoma: Correlation with Tumor Differentiation and Patient Outcome

Johannes Boos, MD (CT Research) - Prevalence of Ovarian Cancer in Adnexal Cysts Initially Identified on CT Exams

Michele Perillo, MD (Abd) - MRI of Adrenal Hemosiderosis: A Heretofor Underrecognized Entity

Jieming Fang, MD (CT Research) - Metal Implants on CT: Comparison of Iterative Reconstruction Algorithms with Single and Dual Energy CT Scanning

Summit Sawhney, MD* (Abd) - MR Defecography: Correlation with 4D Anal Manometry in Patients with Obstructed Defaecation

[**Christina Chingko, MD (Abd)** & **Kate Troy, MD (Body MRI)** were unable to present due to vacation and maternity leave, respectively]



Koenraad Mortele



Trevor Morrison



Kristy Lee



Johannes Boos



Borko Kereshi



Mike Perillo



Jieming Fang



Summit Sawhney



Moon Justaniah



Etta D. Pisano, MD
Vice Chair for
Research

Radiology RESEARCH: Update from the Office of the VC for Research

13 1-hour listening sessions held around the department helped determine the direction of research in Radiology:

- Provocative questions were distributed in advance.
- Almost every faculty member and many trainees gave their ideas to the committee.
- Three broad areas for research investment were proposed **Health Services Research***, Computer Science Research and Technology Development & Assessment.

- **Health Services Research (HSR)** was endorsed by the majority of the members of the committee.

**Health Services Research, also known as health systems research or health policy and health systems research, is a multidisciplinary scientific field that examines how people get access to health care practitioners and health care services, how much care costs, and what happens to patients as a result of this care.*

Advantages of HSR for BIDMC Radiology:

- This is a NATIONAL focus for Radiology right now with "Imaging 3.0" in the ACR.
- It builds on the existing strengths of our department in focus on quality and safety and other institutional centers already focus on it (DOM).
- There is a new funding climate to support it – PCORI with Obamacare.
- There are training programs for radiologists in this area – GERRAF and RSNA.
- Part of recent BIDMC strategic plan.
- Relatively accessible type of research to most clinical radiologists – so many faculty and trainees could participate.
- Relatively less expensive entry costs compared to other options.

Disadvantages of HSR for BIDMC Radiology:

- Less research funding from NIH and Corporations for this area of research compared with other areas

Operational Issues Identified from Listening Sessions

IMPROVE COMMUNICATIONS

- Improve research interactions across department
- Lunch meetings, research day, department wide research meetings, etc.
- Update website
- Clearinghouse of Projects for Trainees
- **Announce Funding Opportunities**

MORE EDUCATION

- Orientation for Residents & Fellows in Research at BIDMC
- Research Training Sessions throughout the year

IMPROVE COLLABORATIONS

- Industry
- Across Radiology Divisions
- Across BIDMC Departments
- Across Harvard Affiliated Institutions and Regional Institutions

PROVIDE MENTORING

- Formalize Student Mentoring
- **Provide research mentoring for junior faculty**

MORE FUNDING (Departmental)

- New junior faculty grant programs
- Funding to support use of Core facilities

PROVIDE STAFFING SUPPORT

- Statistical Support
- Research Fellows
- Research Assistants

ESTABLISH RESEARCH GOVERNANCE

- Faculty Research Time Allocation/Adjudication
- Optimizing Trainee Research Time

NEW RESEARCH RESOURCES

- Research dedicated review workstations/reading room
- Software/Tools in support of research
- Office space

REGULATORY

- Improve IRB process
- **Provide assistance with navigating various IRB processes**

Research Strategic Planning Committee:

Etta Pisano and David Alsop, Co-chairs

Muneeb Ahmed	Ammar Sarwar
Alexander Bankier	Bettina Siewert
Elodia Cole	Leo Tsai
Deb Levine	Jim Wu

Current Radiology Research Projects:

- Should Tomosynthesis replace Digital mammography for breast cancer screening?
- Philips Tomosynthesis FDA Approval Project (Priscilla Slanetz, local PI)
- Fuji Tomosynthesis FDA Approval Project
- Does DWI CAD help radiologists interpret breast MRI? (NIH grant to Alan Penn Corporation, Vandana Dialani, local PI)
- VIPER study with FDA to develop faster methods for FDA approval (FDA grant)
- Why did CAD fail in BCSC study? (Tejas Mehta, local PI)



Elodia B. Cole, MS
Research Program
Manager

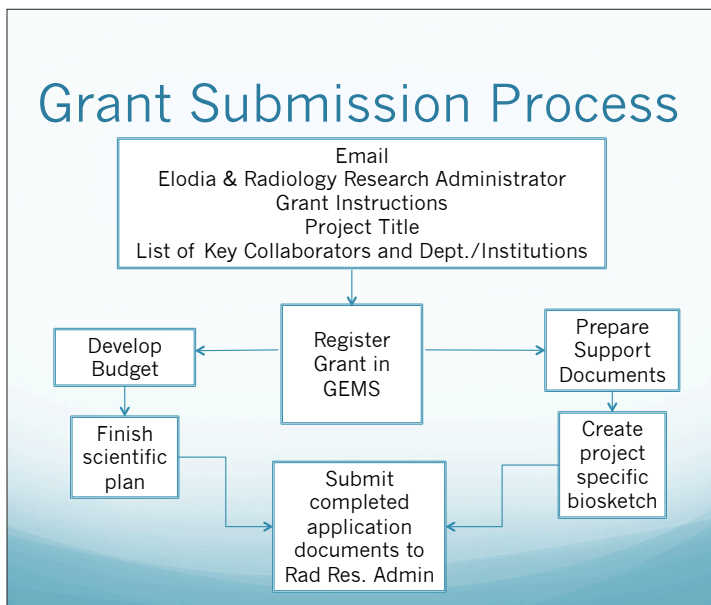
New Research Services

- FUNDING NOTIFICATIONS
- GRANT SUBMISSION PROCESS SUPPORT
 - Budget Development/Review
 - Support Documentation Templates
- IRB PREPARATION ASSISTANCE
 - IRB forms editing and completion support
 - Recruitment Letter, Patient Brochures, Flyers, Posters content development, Phone Scripts
- RESEARCH MENTORING SERVICES
 - Mentoring Sessions with Etta for faculty and trainees

Funding Notifications

- Funding opportunity announcements in Radiology are sent out via relevant radiology listservs.
- You can sign up for your own direct notifications based on specific areas of interest through various funding databases:
- Pivot (<http://pivot.cos.com>)
 - Foundation, Professional Societies, Harvard, etc.
- NIH Grant Opportunities (<http://grants.nih.gov>)
 - All Institutes

Grant Submission Preparation Support



IRB Application Support

- If you need help in classifying your protocol and identifying what documents need to be completed for submission to either BIDMC IRB or DFHC IRB.
- If you need help in preparing IRB application sections or consent documents.
- Assistance in preparing language for patient brochures, flyers, letters, etc. (with Graphic Design support from Donna Wolfe).

Questions? Comments?
Or to ask for research
help...

Etta Pisano

episano@bidmc.harvard.edu
919-370-8460 (my cell)

Elodia Cole

ecole1@bidmc.harvard.edu
617-667-2975 (office)

Radiology RESEARCH: Aaron Grant receives the Dvorak Young Investigator Award



Aaron Grant, PhD

Physicist and MRI Researcher **Aaron Grant, PhD**, has been awarded the 2016 Dvorak Young Investigator Award, which he will share with collaborator Dr. Pankaj Seth in Medicine. The awards, made possible through a generous gift from Sheldon Simon and Ruth Moorman, honor Harold Dvorak, MD, former chair of Pathology and discoverer of VEGF. They are intended to recognize and train the next generation of outstanding biomedical researchers and to support the field's brightest minds in their pursuit of novel scientific ideas.

Drs. Grant and Seth won the award for their roles in the successful Chief Academic Officer Pilot Grant Application entitled "Imaging, understanding and targeting metabolic vulnerabilities in women's cancers." Working with mentor and collaborator Gerburg Wulf MD, the group seeks to exploit metabolic pathways specific to cancer cells as targets for therapy in breast and other women's cancers.

A key component of the study will be using hyperpolarized MRI agents to quantify the activity of metabolic enzymes and their modulations with therapies. BIDMC Radiology's hyperpolarization facility makes possible the mapping of enzymatic activity by boosting the activity of carbon 13 labeled metabolites. Located on Dana 7, the facility is the only one of its kind in the Boston area.



David Alsop, PhD
Dir., MRI Research

2016 CAO Pilot Grant Award Recipients: **Imaging, understanding and targeting metabolic vulnerabilities in women's cancers**

Gerburg Wulf, MD, PhD, Pankaj Seth, PhD,
Aaron Grant, PhD

Gerburg Wulf - Dept. of Medicine (Hematology/Oncology)
Pankaj Seth - Dept. of Medicine (Interdisciplinary Medicine)
Aaron K. Grant - Dept. of Radiology

Specific Aims: The investigator team, composed of a clinician scientist, an expert in mouse modeling of cancer and a physicist specialized in MRI applications, proposes to examine the redundancy in carbon metabolism, and specifically carbon to ribose flux, that limits the efficacy of anti-metabolic cancer treatments, and to develop combination treatment strategies that overcome these redundancies. Our goal is to develop concepts that can be translated into early phase clinical trials and to achieve better treatment outcomes for women's cancers.

Harold Dvorak Young Investigator Award

Established in 2013 through a generous gift from Sheldon Simon and Ruth Moorman to help train the next generation of outstanding biomedical researchers and to support the field's brightest minds in their pursuit of novel scientific ideas, these awards are named in honor of Harold Dvorak, MD, a pioneering BIDMC researcher whose ground breaking work in the field of angiogenesis helped pave the way for an entirely new approach to cancer therapeutics.

The goal of these awards is to ensure that young investigators are able to establish their own laboratories and pursue similarly creative and even unconventional ideas that will ultimately improve the lives of patients everywhere. *A key focus of these awards is to promote clinically relevant, interdisciplinary innovation.*

- Vikas P. Sukhatme, MD ScD
BIDMC Chief Academic Officer

Hi Everyone!

As many of you know, I'm walking in the AVON 39 in Boston this year on **July 9-10**. When I registered for this event, I knew I was taking on a serious challenge: to raise \$1800 and train to walk 39 miles. I'm really feeling the weight of this commitment, but I am determined to finish this and earn my 39! I just can't do this without YOU!

Please consider making a donation, big or small as I'm going to need everyone's help on this one! **Donate here:** <http://www.avonwalk.org/goto/csouzap>

ANY amount will help and be very much appreciated! Everybody will benefit from AVON39: Cancer patients, clinicians, and researchers. Let's do this TOGETHER!!! Thank you so much!

Patricia Coutinho de Souza, DVM, PhD
MRI Research Fellow

WELCOME TO MY AVON 39 PAGE

DONATE NOW
DONATE BY MAIL
JOIN PATRICIA'S TEAM!

Go to Structure USA

Patricia Coutinho De Souza

of Goal **\$969** raised

Make a gift!

Fundraising Honor Roll

sonia crocchi	\$200
Suzann Lee	\$200
The Yael Family	\$180
Cathy Wei and Dan Shih	\$125
David Allop	\$125
Lisa & Tom Glavin	\$125
Jesse	\$25
Patricia Coutinho de Souza	\$25

I am participating in AVON 39 The Walk to End Breast Cancer. It won't be easy, but that's why it's worth it. From now until AVON 39 weekend, I'll train to strengthen my body to walk over 39 miles in two days. I'll also be raising funds to crush breast cancer. This is where YOU come in.

I am required to raise at least \$1,800 to EARN MY 39, but I plan to raise much, much more! I hope that I can count on your support!



Aideen Snell, MSW
Manager, Service
Excellence Program
x72570
asnell@bidmc.harvard.edu

AIDEEN SNELL ON THE PATIENT EXPERIENCE

Radiology Action Planning Committee's Patient Engagement **TIP of the Month:**

Try to make a personal connection with your patient when you are building rapport. Show an interest in them and talk about something they are interested in like where they are headed for summer vacation, grandkids or their upcoming wedding. This helps show compassion and it can create a positive memory for them.

How do you go above and beyond?

When we go above and beyond with a patient we make an impression or a memory, something that they will remember after they leave Radiology. I read a story in *If Disney Ran Your Hospital: 9 1/2 Things You Would Do Differently* by Fred Lee. Fred travels often with his job and usually stays at a Marriott. One day upon checking out of a Residence Inn, he goes to his car and sees a business card on his windshield. He looks down the line of cars and notices everyone had it. As he read the card it was a nice personal note from the head of maintenance letting him know he had cleaned Fred's windshield, along with all the other cars. Fred went back in to the General Manager because he was impressed with this service and asked "How did you get your Maintenance staff to clean everyone's windshield?" She replied, "Oh that's just Bob, he does that on his own."

In another story he talks about a Nurse on an inpatient floor who observes a patient whose husband spends the day and evening with her and she seems happy, laughing and being cheerful even though she is dying of breast cancer but she remains strong all day with her husband. When the husband leaves for the night the nurse enters the room to give the patient her medication and check vitals. Upon entering she notices the patient crying uncontrollably. She says nothing, sits at the patient's bedside and holds her hand for a half hour. She never mentions the medications or checking vital signs. The nurse just sits in the moment and supports her patient.

Do you think if either of these situations had not happened the patients would have let us know in the survey? "Good experience, but I really wish your staff would have cleaned my windshield!" or "Good experience, but I think your nurses should hold my hand while I cry." Probably not. Going above and beyond requires us to be creative, create a memory for our patients and make a connection. Something they didn't expect, but in a time of need you were there to provide it. Whether it was the compassion they needed to get through an exam, the guidance they needed to alleviate some anxiety or that friendly sense of humor that distracted them through a difficult time. Whatever it is, only you know in that moment.

You probably do it every day and don't even realize it!

How can you go above and beyond this month and create a memory for our Radiology patients? Try writing a personal note on the survey postcard that mentions something you both discussed during your prep time, instead of just writing your name!

Queremos saber • Queremos a sua opinião • Нам важно знать • 我們想知道




BIDMC RADIOLOGY WANTS TO KNOW

Please tell us about your visit

Please visit one of our kiosks at the end of your visit or go to: www.Radiology_wants2know.com



Thank you for taking the time to make every patient's experience the best it can be!

I hope you have a great time on the Cape, Mary!

Your caregiver's name is: Jason

Kiosk Update – We now have a patient satisfaction survey kiosk at our new Chestnut Hill location. You can preview the survey at www.chqradiologywants2know.com and we will be sharing the results on the portal shortly. In addition, once we have a full quarters worth of data the Chestnut Hill Survey results will also be shared on the BIDMC public website transparency page along with our main campus data.

KUDOS -

We are proud to also share the positive feedback we receive about residents and fellows and ask you to join us in congratulating them; as always, we are especially proud to acknowledge an unprecedented constellation of trainees for providing outstanding care and service!

From: Lokhandwala, Sharukh (AP - HMFP - Medicine)
Sent: Thursday, June 2, 2016 4:41 PM
To: Slanetz, Priscilla J. (BIDMC - Radiology)
Subject: Re: radiology rounds

Hi Dr. Slanetz,

I'm one of the HMED hospitalists and one the current teaching attendings on service. We just did radiology rounds, and I wanted to call to attention what a great job **Hannah Perry** [upcoming 4th yr and Chief resident] did with her radiology rounds this week. It was clear that she spent an extensive amount of time to not only review all the cases submitted for this weeks radiology rounds, but she took the time to devise specific learning points for each case that were relevant to the skill level of the general internist. Furthermore, she has a knack for explaining complex anatomy in a simple to digest manner. I know there has been a greater emphasis from our division to improve the quality of teaching in radiology rounds, and I want to call to attention how great our session today was.

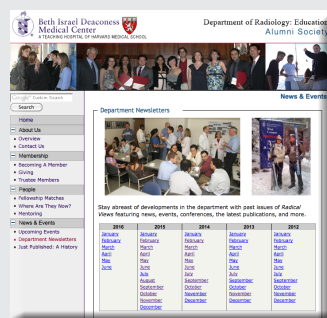


Best,
Sharukh

Sharukh Lokhandwala, MD
Hospitalist, Beth Israel Deaconess Medical Center
Instructor of Medicine, Harvard Medical School
Post-Doctoral Associate, Harvard-MIT Division of Health Science and Technology

Stay in touch: Join the BIDMC Radiology Alumni Society and receive our monthly Radical Views via our web link >
<http://radnet.bidmc.harvard.edu/education/newsletters.asp>

You can also contact Radical Views Editor Donna Wolfe at dwolfe@bidmc.harvard.edu with updates, especially after completion of your fellowships!



5-10-15 Year Service Anniversaries in Radiology

The annual BIDMC Service Awards Reception for employees with 20+ year anniversaries was held on Tues, May 17 in Longwood Hall (See *Radical Views June 2016*). However, the reception for those with 5, 10 and 15 year anniversaries had to be rescheduled due to the TJC visit. **The 5-10-15 Year Service Awards Event** was held Wed, June 29th in the Rabkin Board room and Radiology celebrated! (see next pg) Congratulations to all:

5 YEARS

Atkins, Leighton - CT
Berkowitz, Seth - IR
Cabral-Goncalves, Ines - MRI
Checca, Sabrina - Dx
Cretel, Elizabeth - Br
Delpeche, Dave - Dx
Fraser, Kathryn - Dx
Gardzina, Kirstin - RN
Hartfield Alexis - Support Svcs
Leaden, Sheila - US
Lundy, Kristin - RN
Muscato, Nadia - RN
Ní Mhuircheartaigh, Jennifer - MSK
Worcester, Kelsey - US

10 YEARS

Abraham, Usama - CT
Annino, Sheryl - US
Baar-Daley, K Michelle - RN
Cohen, Avis - Support Svcs
Collier, Pamela - US
DiStefano, Jennifer - Dx
Dresser, Michael - Dx
Fein-Zachary, Valerie - Br
Gianino, Kimberly - Dx
Heinrich, Jeffery - Dx
Honore, Fritz - Dx
Johnson, Erica - Support Svcs
Jones, Michael - CT
Kay, Paulann - MRI
Keegan, Joseph - Informatics
Kung, Justin - MSK
Louijame, Patrick - Dx
MacDonald, Susan - CT
Malolepszy, Mary - RN
Purvis, Phillip - Informatics
Romero, Janneth - Cardiothoracic/US
Sacks, Barry - IR
Sequea, Shakinah - Support Svcs
Short, Michelle - Dx
Smith, Marty - MRI
Snell, Aideen - Service Excellence
Spirn, Paul - Cardiothoracic
Sullivan, Brian - Dx
Swedeen, Suzanne - RN
Thornhill, Lisa - MR
Tyagi, Girish - Abd
Webster, Cynthia - Admin
Wu, Jim - MSK

15 YEARS

Alessandro, Marie - CT
Alsop, David - MRI
Cook, Juanita - US
Fay, Debra - CT
Fernandes Johnson, Maria - Support Svcs
Fuller, Kimberly - CT
Hayford, Christy - MRI
Littlehale, Nancy - NP
Mulcahy, Constance - CXT (Br Imaging)
Nicholson, Daniel - Dx
O'Donnell, Laura - CT
Roach, Jefferson - IR
Tracey, Jeanne - CT
Vitale, Vincent - CT
Yam, Sam - Dept'l Computing

Extra congratulations to the MSK section as 2016 marks an anniversary year for 4 out of 5 section members: Jenny Ní Mhuircheartaigh (5), Justin Kung (10), Jim Wu (10), and Mary Hochman (20). Colm McMahon will have to wait a few more years!



5-10-15 Year Service Anniversaries in Radiology - Congratulations to all!



Happy Anniversary!



*BIDMC Nuclear Medicine wishes Hannah Prum
Best Wishes in Research Administration*



Diane Valentine, Hannah Prum and Dawn Federman

We bid farewell to Nuclear Medicine Practice Rep, **Hannah Prum**, who leaves Radiology to pursue a career with Research Administration, after completing the hospital's pipeline program for Research Administrators in May of this year. We congratulate Hannah on her success and wish her the best of luck in her new career. We will certainly miss her!

– Dawn Federman,
NMMI Admin. Assoc.

QUALITY UPDATE: TJC

The Joint Commission returned in mid-June for a successful follow-up visit. Over the next few months, audits will be performed to ensure that corrective actions have been fully incorporated. We expect our gold seal of accreditation by November which will then close the book on this survey.

Thanks to everybody's hard work, including extensive preparation by Donna Hallett and our managers, we were very well organized. This was a great team effort and thanks to all of you, the visits were a huge success! As Dr. Kruskal says, "This was nothing short of a truly masterful performance by the radiology team."



Suzanne Swedeem, RN
MSN CNIV
Quality Improvement Specialist



Some of the Radiology staff members who spoke with TJC surveyors and represented our department during their triennial visit: Matt Palmer, Suzanne Swedeem, Bettina Siewert, Jen Terrizzi, Donna Hallett, Jeff English, Nicole Ford, Olga Brook, Julie Robens, Jim Zheng, Bridget O'Bryan, Bernie Kennedy, and Ellen Howe.

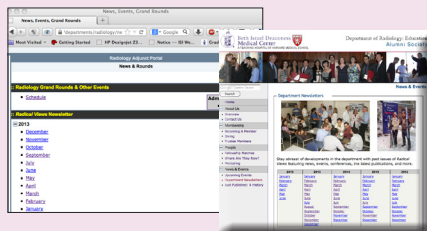
In case you missed an issue of Radical Views!

All back issues are available on the BIDMC portal under "News and Events":

<https://portal.bidmc.org/Intranets/Clinical/Radiology/news.aspx>

and *we also have an outside link on the alumni site:*

<http://radnet.bidmc.harvard.edu/education/newsletters.asp>



The portal will always have the most current/updated versions so please keep checking as needed.

Some people feel that speaking with the TJC is like being chosen for the Hunger Games . . .



Thanks for taking one for the team!!!

QUALITY UPDATE: OUR RADIOLOGY SAFETY TEAM'S PROGRESS

Radiology Safety Committee Members:

Aaron Thurston
Alexei Kudl
Bettina Siewert
Bridget O'Bryan
Donna Hallett
Fritz Honore
Hazel Malolos
Jennifer Ní Mhuircheartaigh
Jim Wu
Juline Horan
Leighton Atkins
Macarthur Cherenfant
Maggie Cybulska
Meredith Cunningham
Muneeb Ahmed
Nicole Caddell,
Robert Beeman
Steve Warren
Suzanne Swedeen

This month our Safety Workgroup worked on the barrier titled **challenging authority**. This barrier was reported by 67% of respondents that do not always speak up.

The survey questions associated with this barrier are:

- I do not want to be perceived as being offensive.
- I do not want to challenge somebody who is senior to me.

What the group uncovered was the "challenge" does not come from the message being relayed but from the language used, and the tone and timing of the message.

The group discussed the following steps to minimize the perception of a "challenge" of authority.

- Concern delivered in a non-challenging neutral tone so that it is better received.
- When stating a concern, include your rationale for bringing up the concern and a possible solution if you have one

Examples of how to state a concern are:

- o Can you clarify something for me, I don't understand?
- o Can you help me understand?
- The receiver should always acknowledge/thank the speaker for bringing up their concern.

Next month we will discuss the barrier of "fear of disrespect". Please contact your peers on the committee (see below) with any comments on the topic that you would like to share.



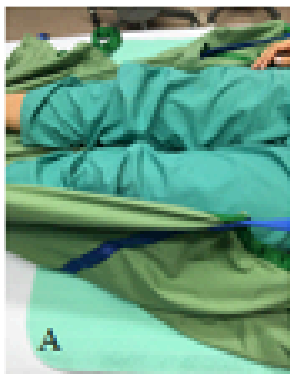
Hospital-wide Monthly Injury Report

- There were **4** patient handling injuries for the month of **May**
- Total cost of injuries was **\$9,787**
- Thank you to those of you who are true champions of safe patient handling, equipment and techniques to keep yourself and your patients safe

Placing Loops on Sling Bar when Using Repo Sheet

One of the most frequently asked questions we get from patient care staff is how to place the loops of the Repo Sheet onto the sling bar to lift the patient in a flat position. Many patients are unable to tolerate being in the lift when their feet are lifted above their head. If this is their first experience with the overhead lift, they may refuse to let the staff use it [on them] in the future.

Here are some tips to make the patient more comfortable when boosting or transferring with the Repo Sheet.



- Only place the straps of the repo sheet onto the sling bar between the head and the knees. Connecting the straps below the knees will often result in the patient tipping so their feet are above their head (A)
- Never attach loops below the ankles
- Leave a pillow under the patient's head for extra support
- Make sure to place the same loops on each side of the sling bar so the patient doesn't rotate during the transfer
- If you are boosting a patient of size or a tall patient, it may be more comfortable for the patient if you use the side bars attached to the sling bar (B)



New Linsey BreastCare Center (aka The Integrated BreastCare Center or IBCC) located on Shapiro 4 and 5



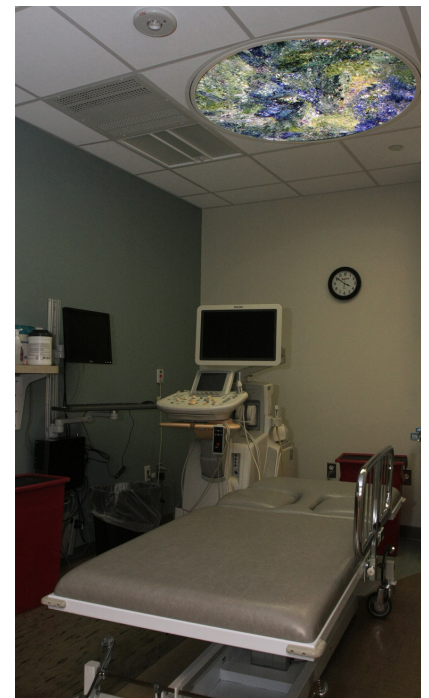
Breast Imaging Staff/Researchers/Trainees (L to R): Elodia Cole, Ann Leylek Brown, Nancy Littlehale, Jane Karimova, Valerie Fein-Zachary, Priscilla Slanetz, Tejas Mehta, Vandana Dialani, Jordana Phillips, Michael Fishman, Monica Agarwal and Sham Venkataraman. *Not shown:* Julie Armada and Etta Pisano



We listened to feedback from our patients which resulted in a center design that speaks to friendly staff, a warm and welcoming space with a spa-like atmosphere and a waiting area close by for partners and family members. - Olga Augustus, Breast Imaging Clinical Mgr.



Breast Imaging Technical Staff (L to R): Agnes Regis, Liz Cretel, Elena Shimonov, Elena Morozov, Marissa Bradley, Karen Rice, Juline Horan, Cindy Smith, Dorothy Sands, Olga Augustus, Connie Mulcahy. Not Shown: Ann Marie Baggs, Paulette Bell, Kimberly Dobbs, Karen Dowie, Deborah Humphries, Rose Stanley



Imaging rooms all have a "feature" focal point such as the Ultrasound room ceiling



(Above) Reception staff **Anissa Centeio** welcomes patients to the IBCC 5th Floor with its unique stone and glass art work on the walls that mirrors the reception area on the 4th floor (Right) staffed by **Naney Sisay** [Not shown: **Alina Khudaverdyan**], to enhance the visual perception of our patients that Imaging and Surgery are a TEAM in their care plan.

(Below) The exam room layout is duplicated in the rooms on both the 4th and 5th floor. With the Breast Surgery team on the 4th flr., this allows for improved transition in the continuity of care for those patients scheduled with coupled Imaging and Breast surgery appointments



Clinical Manager Olga Augustus, Breast Imaging Section Chief Tejas Mehta and Radiology Chair Jonny Kruskal survey a job well done!



BIDMC Stands With Orlando

In the early morning hours of Sunday, June 12, a gunman killed 49 people and wounded 53 others at Pulse nightclub in Orlando, Fla. The shooting at the gay nightclub is the deadliest mass shooting in modern U.S. history.

“This terrible and tragic attack has left us all grieving, confused and angry,” said Kevin Tabb, MD, President and CEO, and Nancy Formella, RN, COO, in an email to the BIDMC community on Monday, June 13. “With BIDMC’s flags at half-mast, we stand in solidarity and sympathy with the victims, their families and their loved ones.”

The attack came on the heels of Boston Pride and BIDMC’s annual Lesbian, Gay, Bisexual and Transgender (LGBT) celebration on Friday, June 10. The following day, a 60-strong Team BIDMC marched proudly in the Boston Pride Parade. Read more about these events.

“An attack on any of us is an attack on us all,” Tabb and Formella said. “The tragedy in Orlando reminds us of too many other acts of violence, including the Boston Marathon bombings only three years ago.”

On Thursday, June 16, staff gathered for a short service of remembrance and hope in the East and West Campus chapels. The gatherings were led by staff from Spiritual Care and Social Work and included offerings of readings, prayers and personal reflections.

In addition, many others at BIDMC have found ways to show support. “The staff at Orlando Regional Medical Center are caring for many victims from the shooting,” said Amy Baut, RN, PACU. “We know how difficult this is for them after experiencing something similar three years ago with the Marathon.”

Baut and her colleagues collected money and organized a lunch and dinner delivery to the PACU at Orlando Regional Medical Center on Monday, June 20. “When I first reached out, the nurse manager said she was in tears just knowing that we wanted to support them. We sent them photos and notes along with food to let them know they aren’t alone, and I heard back from the nurse manager who said we warmed their hearts,” Baut said. “In a strange way, we are bonded now.”

Dan Nadworny, RN, Clinical Director of Operations, Emergency Department, shared similar acts of kindness from the ED staff, who plan to send a gift of food to each of the three Orlando



Mandee Martin, Practice Assistant, Radiology Support Services, in front of her painted mural on a BIDMC window.

hospitals that received patients.

Nadworny says the ED has sent food in past tragedies such as in Paris and San Bernardino. “When we were in that time of need, there was an outpouring of support and letters,” he says. “Sending food and a signed poster card is our way of paying it forward, so the staff in Orlando know they are supported.”

In Emergency Radiology, Mandee Martin, Practice Assistant, Radiology Support Services, painted a beautiful mural on a BIDMC window. She explains, “I was working in the Emergency Department the day of the Boston Marathon bombings. I saw terror with my own eyes and wasn’t physically injured, but I was hurt. People from all over the world made signs, sent cards and posted videos to support the city of Boston – a city where they don’t even live – and this helped me heal knowing that people were in this together.”

Martin has painted the window in Emergency Radiology seasonally for eight years.

“I was preparing to paint a summer mural on the window when I heard the all too familiar news of the attack,” she says. “I love and respect the LGBTQ community, and I feel honored to work in a place that recognizes and celebrates diversity. That’s why painting BIDMC’s ‘Human First’ motto and a symbol of support for people in our country who are hurt and confused seemed like a no brainer. It may not be everything, but at least it’s something.”

REMINDER: Updated Radiology Technologist Rosters & Staff Posters are available on InfoRadiology in pdf format for viewing, downloading, and printing

Log in to the portal: <https://portal.bidmc.org/>

If you don’t already have InfoRadiology displayed in **My Applications**, Click on the **Applications** tab and then under **Clinical**, click on **Inforadiology**.

Log into Inforadiology, Click on **Staff Posters Tab** to view/download the most current Tech Rosters, etc.

2016-2017 Trainee posters will be available in mid-July 2016; Faculty in Aug 2016

Radiology Staff Posters		
Faculty	Breast Techs	H&H Beacon Certificate
Residents & Fellows	CT Techs	Ultrasound Certificate
Administrations	DR Techs	Chestnut Hill Certificate
Informatics	IR/DR Techs	Lexington Certificate
Nursing	MRI Techs	Needham Certificate
Support Services	Spec Techs	
	US/VASC Techs	

Diana Litmanovich Presents on Cardiac Imaging in Shanghai



上海市东方医院 Shanghai East Hospital

INVITATION LETTER

Diana E. Litmanovich, MD
Assistant Professor of Radiology
Department of Radiology
Beth Israel Deaconess Medical Center
330 Brookline Ave., TCC-4
Boston, MA 02215
Email: dlitmano@bidmc.harvard.edu

29 February 2016

Dear Dr. Diana E. Litmanovich,

It is a great pleasure for us to announce that the **4th Seed Program – Radiology CME Seminar** will be held on June 11-12 (Saturday/Sunday) in Shanghai, China. The Seminar is organized by Department of Radiology, Shanghai East Hospital, Tongji University, Shanghai, and co-organized by Department of Radiology, Wan Fang Hospital, Taipei Medical University, Taipei.

Your work in Cardiac Imaging has left a great imprint in the academic and professional field. It is our honor to invite you to serve as a Guest Speaker to speak to and interact with all the participants in this Seminar. We estimated 100 attendees will participate and most are radiologists, fellow, and residents in Shanghai. We believe that your presentation and participation will make this Seminar an academically enriching experience for all the participants.

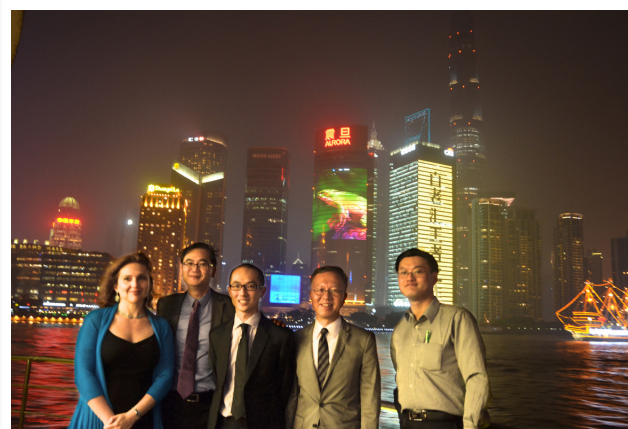
Thank you for graciously accepting our invitation. We are looking forward to seeing you in the Seminar.

With kindest regards,

Lei Zhang

东方医院(南院)
医学影像科
Dr. Lei Zhang,
Associate Professor and Chief,
Department of Radiology,
Shanghai East Hospital,
Tongji University, Shanghai.

本部地址: 150 Yimao Rd., Pudong New Area, Shanghai 200120, China)
南院地址: (South Branch: 1800 Yuntai Rd., Pudong New Area, Shanghai 200123, China)
电话: 3880 3880 (Ext. Department)



"I felt very well-received and appreciated. It was an incredible experience, very interesting being in a different but similar medical environment. The exposure to this culture was mind-blowing!"
- Diana Litmanovich

Farewell Abdominal Imaging & Body MRI Fellows!



IT'S THAT TIME OF THE YEAR AGAIN!
CONGRATS TO OUR GRADUATES



THE ABDOMINAL IMAGING AND BODY MRI DIVISIONS
DEPARTMENT OF RADIOLOGY
AT BETH ISRAEL DEACONESS MEDICAL CENTER

INVITE YOU TO THE
GRADUATION DINNER
FOR OUR GUESTS OF HONOR:

CHRISTINA CHINGKOE, MD	TREVOR MORRISON, MD
ALAMOON JUSTANIAH, MD	MICHELE PERILLO, MD
BORKO KERESHI, MD	SUMMIT SAWHNEY, MD
KRISTY LEE, MD	KATHERINE TROY, MD

THURSDAY, JUNE 9, 2016 AT 6:30 PM

GASLIGHT BRASSERIE DU COIN

560 HARRISON AVENUE, BOSTON, MA 02118
PLEASE RSVP TO LOIS GILDEN, 617-667-0299, BY JUNE 6TH



Abdominal & Pelvic MRI

HMS CME COURSE JUNE 6-8, 2016

Koenraad J. Mortelé, MD

Associate Professor of Radiology, Harvard Medical School,
 Director, Division of Clinical MRI
 Chief, Division of Abdominal Imaging
 Department of Radiology
 Beth Israel Deaconess Medical Center
 Boston, USA



On June 6-8, 2016, the Department of Radiology held its annual Harvard Medical School CME course on Abdominal & Pelvic MRI at the Joseph B. Martin Conference Center at HMS. In addition to guest speakers Claude Sirlin, MD (UCSD), Scott Reeder, MD (Univ of Wisconsin), and Evis Sala, MD, PhD (Weill Cornell), Fiona Fennessy, MD, PhD (BWH), Mukesh Harinsanghani, MD (MGH), Dushyant Sahani, MD (MGH), Atul Shinagare, MD (BWH), Stuart Silverman, MD (BWH), Andrew Bennett, MD, PhD (UMASS), Elena Resnick, MD (Portland, Maine), and Jorge Soto, MD (BMC),

eight members of the BIDMC Abdominal Imaging Section provided high quality didactic lectures. As in previous years, we welcomed participants from numerous countries, including the USA, Canada, Netherlands, Brazil, and Serbia. The course was very well received and ran smoothly, thanks in very large part because of the excellent organization by Lois Gilden, and the design/graphic assistance by Donna Wolfe.

- Koenraad J. Mortele, MD,
 Chief, Division of Abdominal Imaging / Director, Division of Clinical MRI

ACR Annual Conference on

QUALITY AND SAFETY

Adding Value Through Quality
Enrichment and Practice Excellence

Earn up to 10.75 CME and
Category A Credits, 8.25 RLI
Credits and SAM Credits



Register and view the program at
acr.org/qualitymeeting



Add Value and Boost Performance — Gain Practical Strategies to Transform Your Quality Infrastructure

Show your commitment to quality excellence. This innovative and highly interactive program provides the tools you need to elevate your practice performance and turn regulatory requirements into meaningful quality improvement.

Discover how to begin and sustain your quality journey from leading quality experts:

- Lead from the front — learn to effectively organize and empower your team
- Gather tools and ideas to become a learning organization and demonstrate value
- Discover the best ways to leverage informatics and new technology
- Gain new methods for managing and responding to challenges
- Join the radiology quality community — stay connected!

Choose from 4 specialized learning tracks:

- Practice Leadership
- Organizational Effectiveness
- Patient Safety and Compliance
- Informatics



Jonathan B. Kruskal, MD, PhD



David B. Larson, MD, MBA

All-new exciting program from co-chairs:
Jonathan B. Kruskal, MD, PhD
and David B. Larson, MD, MBA

Join the conversation with the nation's leading specialists in quality and safety, and work one-on-one with faculty experts at interactive roundtable sessions.

Special team pricing available!

September 16-17, 2016
Westin Boston Waterfront Hotel

Register by July 12 for early-bird savings: acr.org/qualitymeeting

ACR[®]
AMERICAN COLLEGE OF
RADIOLOGY

QUALITY IS OUR IMAGE

PUBLICATION CALL OUT: Check out the 5 articles by BIDMC staff and trainees in the July Academic Radiology [http://www.academicradiology.org/issue/S1076-6332\(16\)X0006-2](http://www.academicradiology.org/issue/S1076-6332(16)X0006-2)

Transforming Radiological Education Through Collaboration and Innovation.

Priscilla J. Slanetz, Aine Marie Kelly
p777–778 / Published online: May 18 2016

It is well known that the learning styles of the millennial generation are a mismatch for the traditional lecture format embraced by many educators (1). Educators of millennials should focus less on developing content-rich lectures and more on facilitating active learning so that these learners become fully engaged. For many of us, these “digital natives” can be challenging given their reliance on technology, shorter attention spans, and desire for collaborative learning (2). In addition, the exponential growth in imaging over the past several decades has dramatically increased the quantity of information that must be mastered to effectively and efficiently practice radiology.

Teaching Principles of Patient-Centered Care During Radiology Residency.

Matthew M. Miller, Priscilla J. Slanetz, Ana P. Lourenco, Ronald L. Eisenberg, Justin W. Kung
p802–809 / Published online: April 8 2016

Patient-centered healthcare delivery has become increasingly established as a cornerstone of quality medical care, but teaching these principles in a radiology residency setting is often difficult and ineffective in a traditional lecture format. We developed a novel educational session in which actual patient letters about a healthcare provider are used to facilitate a case-based discussion of key principles of patient-centered care.

Forty-six of the 61 session attendees (75%) completed the post session survey. Most respondents (93%) preferred this case-based, interactive session to a typical didactic session. A majority of the residents indicated that both the patient letters (64%) and radiology specific cases (73%) helped them think differently about how they interact with patients. They indicated that the session enhanced their understanding of professionalism (3.7 out of 5.0 [95% CI 3.4–4.0]) and increased their motivation to become more patient-centered (3.0 out of 4.0 [95% CI 2.8–3.3]).

How-I-Do-It: Teaching Root Cause Analysis.

Justin W. Kung, Olga R. Brook, Ronald L. Eisenberg, Priscilla J. Slanetz
p881–884 / Published online: April 14 2016

We describe our method of exposing radiology residents to root cause analysis. Our interactive case-based, small-group teaching session uses a flipped classroom approach which allows the session to focus primarily on working through the case in small groups. This methodology can be easily integrated at other institutions.

RVUs, SGR, RUC, and Alphabet Soup: Utility of an iPad App to Teach Healthcare Economics.

Ana P. Lourenco, Grayson L. Baird, Mark Ashkan, Priscilla J. Slanetz
p797–801 / Published online: April 11 2016

This study aimed to evaluate the effectiveness of an iPad app for teaching healthcare economics milestones.

[This] survey assessment of radiology residents’ knowledge of healthcare economics before and following review of the Healthcare Economics iPad app was undertaken at two residencies. Residents received an electronic link to the pre survey, answered 13 general knowledge questions, rated their knowledge of healthcare economics milestones, and reported any prior economics/business background. During the conference, residents reviewed the app on their iPads.

Residents’ mean self-assessment of their knowledge of healthcare economics milestones was fair on the pre survey, significantly improved on the post survey, and plateaued at 3 months. Residents demonstrated a significant increase in healthcare economics knowledge on post survey. At 3-month follow-up, significant decreases in gained knowledge were observed only in residents for whom the material was not integrated into the curriculum.

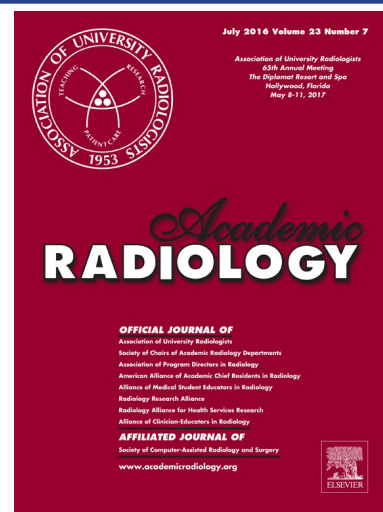
Teaching with iPad apps offers an alternative, effective way to teach basics of healthcare economics milestones.

Perspectives:

Radiology Education in the Era of Population-based Medicine in the United States.

Priscilla J. Slanetz, Mark E. Mullins
p894–897 / Published online: April 11 2016

Over the past several decades, the practice of radiology has undergone substantial change primarily related to advances in imaging technology, changes in the infrastructure of healthcare delivery, and evolution of reimbursement systems. Yet to a large extent, the educational system has not substantially changed. In this perspective, we discuss the need for radiology education to adapt and address these essential systems-based skills (business, quality, informatics, leadership, population-based medicine, and interprofessional teamwork) to ensure that future radiology graduates will thrive in this evolving healthcare environment.



2016 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. Note that 1) Epub dates are included only in publications where the Epub and paper publication dates occur in different years, i.e., Epub in 2015 and paper publication in 2016; and 2) doi addresses are only included until citations are updated with hard copy page citations.

Ahmed M, Kumar G, Moussa M, Wang Y, Rozenblum N, Galun E, Goldberg SN. Hepatic Radiofrequency Ablation-induced Stimulation of Distant Tumor Growth Is Suppressed by c-Met Inhibition. *Radiology*. 2016 Apr;279(1):103-17. Epub 2015 Sep 29. PMID: 26418615.

Alessandrino F, Allard FD, Mortel  KJ. Ciliated pancreatic foregut cyst: MRI, EUS, and cytologic features. *Clin Imaging*. 2016 Jan-Feb;40(1):140-3. Epub 2015 Oct 31. PMID: 26526788.

Amamoto R, Huerta VG, Takahashi E, Dai G, **Grant AK, Fu Z, Arlotta P.** Adult axolotls can regenerate original neuronal diversity in response to brain injury. *Elife*. 2016 May 9;5. pii: e13998. doi: 10.7554/eLife.13998. PMID: 27156560; PMCID: PMC4861602.

Anderson ME, **Wu JS, Vargas SO.** CORR ( ) Tumor Board: Sacral Insufficiency Fractures are Common After High-dose Radiation for Sacral Chordomas Treated With or Without Surgery. *Clin Orthop Relat Res*. 2016 Mar;474(3):630-2. Epub 2015 Dec 7. PMID: 26642785; PMCID: PMC4746151.

Anderson ME, **Wu JS, Vargas SO.** CORR ( ) Tumor Board: Does Microwave Ablation of the Tumor Edge Allow for Joint-sparing Surgery in Patients with Osteosarcoma of the Proximal Tibia? *Clin Orthop Relat Res*. 2016 May;474(5):1110-2. Epub 2015 Dec 10. PMID: 26660089; PMCID: PMC4814440.

Anderson ME, **Wu JS, Vargas SO.** CORR ( ) Tumor Board: Is Prophylactic Intervention More Cost-Effective than the Treatment of Pathologic Fractures in Metastatic Bone Disease? *Clin Orthop Relat Res*. 2016 May 12. [Epub ahead of print] PMID: 27172817.

Barr RG, Ferraioli G, Palmeri ML, Goodman ZD, Garcia-Tsao G, Rubin J, Garra B, Myers RP, Wilson SR, Rubens D, **Levine D.** Elastography Assessment of Liver Fibrosis: Society of Radiologists in Ultrasound Consensus Conference Statement. *Ultrasound Q*. 2016 Jun;32(2):94-107. PMID: 27233069.

Bellm S, Basha TA, Shah RV, Murthy VL, Liew C, Tang M, Ngo LH, **Manning WJ, Nezafat R.** Reproducibility of myocardial T(1) and T(2) relaxation time measurement using slice-interleaved T(1) and T(2) mapping sequences. *J Magn Reson Imaging*. 2016 Apr 4. doi: 10.1002/jmri.25255. PMID: 27043156.

Boiselle PM. JTI Welcomes New Members to its Editorial Team. *J Thorac Imaging*. 2016 Mar;31(2):63. PMID: 26891071.

Boiselle PM, Chiles C, Ravenel JG, White CS. Computed Tomographic Screening for Lung Cancer Trends at Leading Academic Medical Centers From 2013 to 2015. *JAMA Oncol*. 2016 Feb 11. doi: 10.1001/jamaoncol.2015.6419. [Epub ahead of print] PMID: 26867512.

Boiselle PM, Reddy GP. Editors' Recognition Awards for Distinction in Reviewing in 2015. *J Thorac Imaging*. 2016 Jan;31(1):1. PMID: 26656193.

Brook OR, Beddy P, Pahade J, Couto C, Brennan I, Patel P, Brook A, Pedrosa I. Delayed Growth in Incidental Pancreatic Cysts: Are the Current American College of Radiology Recommendations for Follow-up Appropriate? *Radiology*. 2016 Mar;278(3):752-61. Epub 2015 Sep 4. PMID: 26348231.

Cavallari M, Dai W, Guttmann CR, Meier DS, Ngo LH, Hshieh TT, Callahan AE, Fong TG, Schmitt E, Dickerson BC, Press DZ, Marcantonio ER, Jones RN, Inouye SK, **Alsop DC; SAGES Study Group.** Neural substrates of vulnerability to postsurgical delirium as revealed by presurgical diffusion MRI. *Brain*. 2016 Apr;139(Pt 4):1282-94. PMID: 26920674.

Cavallari M, Guttmann CR, Jones RN, Inouye SK, **Alsop DC; SAGES Study Group.** Reply: Neural substrates of vulnerability to post-surgical delirium with prospective diagnosis. *Brain*. 2016 Jun 24. pii: aww150. [Epub ahead of print] PMID: 27343260.

Chadashvili T, Litmanovich D, Hall F, Slanetz PJ. Do breast arterial calcifications on mammography predict elevated risk of coronary artery disease? *Eur J Radiol*. 2016 Jun;85(6):1121-4. PMID: 27161061.

Cohen MG, McMahon CJ, Kung JW, Wu JS. Comparison of Battery-Powered and Manual Bone Biopsy Systems for Core Needle Biopsy of Sclerotic Bone Lesions. *AJR Am J Roentgenol*. 2016 May;206(5):W83-6. PMID: 26959290.

Cole EB, Pisano ED. Tomosynthesis for breast cancer screening. *Clin Imaging*. 2016 Mar-Apr;40(2):283-7. Epub 2015 Sep 24. PMID: 26472036.

Cooper BG, Stewart RC, **Burstein D, Snyder BD, Grinstaff MW.** A Tissue-Penetrating Double Network Restores the Mechanical Properties of Degenerated Articular Cartilage. *Angew Chem Int Ed Engl*. 2016 Mar 18;55(13):4226-30. PMID: 26934682.

Dai W, **Varma G, Scheidegger R, Alsop DC.** Quantifying fluctuations of resting state networks using arterial spin labeling perfusion MRI. *J Cereb Blood Flow Metab*. 2016 Mar;36(3):463-73. Epub 2015 Nov 5. PMID: 26661226.

Dariushnia SR, Haskal ZJ, Midia M, Martin LG, Walker TG, Kalva SP, Clark TW, Ganguli S, Krishnamurthy V, Saiter CK, Nikolic B; Society of Interventional Radiology Standards of Practice Committee. Quality Improvement Guidelines for Transjugular Intrahepatic Portosystemic Shunts. *J Vasc Interv Radiol*. 2016 Jan;27(1):1-7. Epub 2015 Nov 21. PMID: 26614596. [**Weinstein JL**, collaborator]

Delling FN, Hassan ZK, Piatkowski G, Tsao CW, Rajabali A, Markson LJ, Zimetbaum PJ, **Manning WJ, Chang JD, Mukamal KJ.** Tricuspid Regurgitation and Mortality in Patients With Transvenous Permanent Pacemaker Leads. *Am J Cardiol*. 2016 Mar 15;117(6):988-92. PMID: 26833208; PMCID: PMC4775321.

Delling FN, Rong J, Larson MG, Lehman B, Fuller D, Osypiuk E, Stantchev P, Hackman B, **Manning WJ, Benjamin EJ, Levine RA, Vasan RS.** Evolution of Mitral Valve Prolapse: Insights From the Framingham Heart Study. *Circulation*. 2016 Apr 26;133(17):1688-95. PMID: 27006478; PMCID: PMC4856536.

Dhanao D, Baerlocher MO, Benko AJ, Benenati JF, Kuo MD, Dariushnia SR, **Faintuch S, Midia M, Nikolic B.** Position Statement on Noninvasive Imaging of Peripheral Arterial Disease by the Society of Interventional Radiology and the Canadian Interventional Radiology Association. *J Vasc Interv Radiol*. 2016 May 27. pii: S1051-0443(16)30027-6. doi: 10.1016/j.jvir.2016.03.049. PMID: 27241390.

Dialani V, Gaur S, Mehta TS, Venkataraman S, Fein-Zachary V, Phillips J, Brook A, Slanetz PJ. Prediction of Low versus High Recurrence Scores in Estrogen Receptor-Positive, Lymph Node-Negative Invasive Breast Cancer on the Basis of Radiologic-Pathologic Features: Comparison with Oncotype DX Test Recurrence Scores. *Radiology*. 2016 Mar 3;151:149. [Epub ahead of print] PMID: 26937802.

Dillon ST, Vasunilashorn SM, Ngo L, Otu HH, Inouye SK, Jones RN, **Alsop DC**, Kuchel GA, Metzger ED, Arnold SE, Marcantonio ER, Libermann TA. Higher C-Reactive Protein Levels Predict Postoperative Delirium in Older Patients Undergoing Major Elective Surgery: A Longitudinal Nested Case-Control Study. *Biol Psychiatry*. 2016 Mar 25. pii: S0006-3223(16)32231-4. doi: 10.1016/j.biopsych.2016.03.2098. PMID: 27160518.

Dubey P, Lioutas VA, **Bhadelia R**, Manor B, Novak P, Selim M, Novak V. Quantitative microstructural deficits in chronic phase of stroke with small volume infarcts: A diffusion tensor 3-D tractographic analysis. *Magn Reson Imaging*. 2016 Jun;34(5):662-7. Epub 2015 Dec 30. PMID: 26743428.

Dunn DP, Brook OR, Brook A, Revah G, Jawadi S, **Sun M, Lee KS, Mortelet KJ**. Measurement of pancreatic cystic lesions on magnetic resonance imaging: efficacy of standards in reducing inter-observer variability. *Abdom Radiol (NY)*. 2016 Mar;41(3):500-7. PMID: 27039321.

Eisenberg RL. Should "Mature" Radiologists Be Put Out to Pasture?: Practice Corner. *Radiographics*. 2016 May-Jun;36(3):937-8. PMID: 27163602.

Foppa M, Arora G, Gona P, Ashrafi A, Salton CJ, Yeon SB, Blease SJ, Levy D, O'Donnell CJ, **Manning WJ**, Chuang ML. Right Ventricular Volumes and Systolic Function by Cardiac Magnetic Resonance and the Impact of Sex, Age, and Obesity in a Longitudinally Followed Cohort Free of Pulmonary and Cardiovascular Disease: The Framingham Heart Study. *Circ Cardiovasc Imaging*. 2016 Mar;9(3):e003810. doi: 10.1161/CIRCIMAGING.115.003810. PMID: 26962126.

Gillams A, **Goldberg N, Ahmed M**, Bale R, Breen D, Callstrom M, Chen MH, Choi BI, de Baere T, Dupuy D, Gangi A, Gervais D, Helmberger T, Jung EM, Lee F, Lencioni R, Liang P, Livraghi T, Lu D, Meloni F, Pereira P, Piscaglia F, Rhim H, Salem R, Sofocleous C, Solomon SB, Soulen M, Tanaka M, Vogl T, Wood B, Solbiati L. Thermal ablation of colorectal liver metastases: a position paper by an international panel of ablation experts, The Interventional Oncology Sans Frontières meeting 2013. *Eur Radiol*. 2015 Dec;25(12):3438-54. Epub 2015 May 22. PMID: 25994193; PMCID: PMC4636513.

Girard OM, Callot V, Prevost VH, Robert B, Taso M, Ribeiro G, **Varma G**, Rangwala N, **Alsop DC**, Duhamel G. Magnetization transfer from inhomogeneously broadened lines (ihMT): Improved imaging strategy for spinal cord applications. *Magn Reson Med*. 2016 Mar 9. doi: 10.1002/mrm.26134. PMID: 26959278.

Grimm LJ, Ngo J, **Pisano ED**, Yoon S. Men (and Women) in Academic Radiology: How Can We Reduce the Gender Discrepancy? *AJR Am J Roentgenol*. 2016 Apr;206(4):678-80. PMID: 27003048.

Grunwald D, Tapper EB, Jiang ZG, **Ahmed M**, Malik R. A Standardized Assessment of Functional Disability Predicts 1-year Mortality in Patients Undergoing Transjugular Intrahepatic Portosystemic Shunt for Refractory Ascites. *J Clin Gastroenterol*. 2016 Jan;50(1):75-9. PMID: 25984975.

Hu H, Juvekar A, Lyssiotis CA, Lien EC, Albeck JG, Oh D, **Varma G**, Hung YP, Ullas S, Lauring J, Seth P, Lundquist MR, Tolan DR, **Grant AK**, Needleman DJ, Asara JM, Cantley LC, Wulf GM. Phosphoinositide 3-Kinase Regulates Glycolysis through Mobilization of Aldolase from the Actin Cytoskeleton. *Cell*. 2016 Jan 28;164(3):433-46. PMID: 26824656.

Hylton NM, Gatsonis CA, Rosen MA, Lehman CD, Newitt DC, Partridge SC, Bernreuter WK, **Pisano ED**, Morris EA, Weatherall PT, Polin SM, Newstead GM, Marques HS, Esserman LJ, Schnall MD; ACRIN 6657 Trial Team and I-SPY 1 TRIAL Investigators. Neoadjuvant Chemotherapy for Breast Cancer: Functional Tumor Volume by MR Imaging Predicts Recurrence-free Survival-Results from the ACRIN 6657/CALGB 150007 I-SPY 1 TRIAL. *Radiology*. 2016 Apr;279(1):44-55. Epub 2015 Dec 1. PMID: 26624971.

Inouye SK, Marcantonio ER, Kosar CM, Tommet D, Schmitt EM, Trivison TG, Saczynski JS, Ngo LH, **Alsop DC**, Jones RN. The short-term and long-term relationship between delirium and cognitive trajectory in older surgical patients. *Alzheimers Dement*. 2016 Apr 18. pii: S1552-5260(16)30183-2. doi: 10.1016/j.jalz.2016.03.005. [Epub ahead of print] PMID: 27103261.

Kato S, Foppa M, Roujol S, Basha T, Berg S, Kissinger KV, Goddu B, **Manning WJ**, Nezafat R. Left ventricular native T1 time and the risk of atrial fibrillation recurrence after pulmonary vein isolation in patients with paroxysmal atrial fibrillation. *Int J Cardiol*. 2016 Jan 15;203:848-54. Epub 2015 Nov 11. PMID: 26599750; PMCID: PMC4734756.

Ketwaroo GA, **Mortelet KJ, Sawhney MS**. Pancreatic Cystic Neoplasms: An Update. *Gastroenterol Clin North Am*. 2016 Mar;45(1):67-81. Review. PMID: 26895681.

Kressel HY. Editor's Recognition Awards. *Radiology*. 2016 Jan;278(1):2-3. PMID: 26690986.

Kressel HY. Radiology Editorial Board 2016. *Radiology*. 2016 Jan;278(1):1. PMID: 26690985.

Kruskal J, Eisenberg R. Focused Professional Performance Evaluation of a Radiologist-A Centers for Medicare and Medicaid Services and Joint Commission Requirement. *Curr Probl Diagn Radiol*. 2016 Mar-Apr;45(2):87-93. Epub 2015 Aug 14. PMID: 26365574.

Kruskal JB, Eisenberg RL, Brook O, Siewert B. Transitioning from peer review to peer learning for abdominal radiologists. *Abdom Radiol (NY)*. 2016 Mar;41(3):416-28. PMID: 26940330.

Kumar G, Goldberg SN, Wang Y, Velez E, Gourevitch S, Galun E, Ahmed M. Hepatic radiofrequency ablation: markedly reduced systemic effects by modulating periablational inflammation via cyclooxygenase-2 inhibition. *Eur Radiol*. 2016 Jun 10. [Epub ahead of print] PubMed PMID: 27287478.

Kung JW, Brook OR, Eisenberg RL, Slanetz PJ. How-I-Do-It: Teaching Root Cause Analysis. *Acad Radiol*. 2016 Jul;23(7):881-4. PMID: 27150620.

Kuzmiak CM, **Cole EB**, Zeng D, Tuttle LA, Steed D, **Pisano ED**. Dedicated Three-dimensional Breast Computed Tomography: Lesion Characteristic Perception by Radiologists. *J Clin Imaging Sci*. 2016 Mar 30;6:14. PMID: 27195180; PMCID: PMC4860456.

Lafountain RA, da Silveira JS, Varghese J, **Mihai G**, Scandling D, Craft J, Swain CB, Franco V, Raman SV, Devor ST, Simonetti OP. Cardiopulmonary exercise testing in the MRI environment. *Physiol Meas*. 2016 Mar 17;37(4):N11-N25. [Epub ahead of print] PMID: 26987361.

Levenson RB, Troy KM, Lee KS. Acute Abdominal Pain Following Optical Colonoscopy: CT Findings and Clinical Considerations. *AJR Am J Roentgenol*. 2016 Jun 15;W1-W8. [Epub ahead of print] PubMed PMID: 27304929.

Levine D. Science to Practice: Can MR Imaging-derived Oxygen-Hemoglobin Dissociation Curves Reveal Transplacental Oxygen Transport and Thus Aid in Monitoring Placental Function? *Radiology*. 2016 Jul;280(1):1-3. doi: 10.1148/radiol.2016160018. PubMed PMID: 27322969.

Levine D, Kressel HY.

Radiology 2016: The Care and Scientific Rigor Used to Process and Evaluate Original Research Manuscripts for Publication. *Radiology*. 2016 Jan;278(1):6-10. PMID: 26690988.

Levine YC, Matos J, Rosenberg MA, **Manning WJ**, Josephson ME, Buxton AE. Left ventricular sphericity independently predicts appropriate implantable cardioverter-defibrillator therapy. *Heart Rhythm*. 2016 Feb;13(2):490-7. Epub 2015 Sep 25. PMID: 26409099.

Lourenco AP, Baird GL, **Ashkan M, Slanetz PJ**. RVUs, SGR, RUC, and Alphabet Soup:: Utility of an iPad App to Teach Healthcare Economics. *Acad Radiol*. 2016 Apr 11. pii: S1076-6332(16)00118-5. Review. PMID: 27079568.

Manning WJ, Spahillari A. Combined Pulmonary Vein and LA/LAA Thrombus Assessment: Can CMR Kill Two Birds With One Stone? *JACC Cardiovasc Imaging*. 2016 May 13. pii: S1936-878X(16)30143-7. doi: 10.1016/j.jcmg.2015.12.017. PMID: 27236524.

Manning MA, Srivastava A, Paal EE, Gould CF, **Mortele KJ**. Nonepithelial Neoplasms of the Pancreas: Radiologic-Pathologic Correlation, Part 1-Benign Tumors: From the Radiologic Pathology Archives. *Radiographics*. 2016 Jan-Feb;36(1):123-41. PMID: 26761535.

Miller MM, Slanetz PJ, Lourenco AP, **Eisenberg RL, Kung JW**. Teaching Principles of Patient-Centered Care During Radiology Residency. *Acad Radiol*. 2016 Apr 8. pii: S1076-6332(16)00127-6. doi: 10.1016/j.acra.2016.01.021. PMID: 27067602.

Murphey MD, Roberts CC, Bencardino JT, Appel M, Arnold E, Chang EY, Dempsey ME, Fox MG, Fries IB, Greenspan BS, **Hochman MG**, Jacobson JA, Mintz DN, Newman JS, Rosenberg ZS, Rubin DA, Small KM, Weissman BN. ACR Appropriateness Criteria Osteonecrosis of the Hip. *J Am Coll Radiol*. 2016 Feb;13(2):147-55. PMID: 26846390.

Nazarian A, Entezari V, Villa-Camacho JC, Zurakowski D, Katz JN, Hochman M, Baldini EH, Vartanians V, Rosen MP, Gebhardt MC, Terek RM, Damron TA, Yaszemski MJ, Snyder BD. Does CT-based Rigidity Analysis Influence Clinical Decision-making in Simulations of Metastatic Bone Disease? *Clin Orthop Relat Res*. 2016 Mar;474(3):652-9. PMID: 26022114; PMID: PMC4746188.

NiMhurchu E, O'Kelly F, Murphy IG, Lavelle LP, Collins CD, Lennon G, Galvin D, Mulvin D, Quinlan D, **McMahon CJ**. Predictive value of PI-RADS classification in MRI-directed transrectal ultrasound guided prostate biopsy. *Clin Radiol*. 2016 Apr;71(4):375-80. PMID: 26880299.

Parker JA. Value of ABNM Certification and MOC to Diplomates and the Public. *J Nucl Med*. 2016 Apr;57(4):10N-3N. PMID: 27037351.

Phillips J, Brook A, Tseng J, Sharpe RE Jr, Fein-Zachary V, Slanetz PJ, Mehta TS. Educational Videos: An Effective Tool to Improve Training in Interventional Breast Procedures. *J Am Coll Radiol*. 2016 Apr 12. pii: S1546-1440(16)00138-1. doi: 10.1016/j.jacr.2016.02.009. PMID: 27084069.

Pisano ED. Digital Compared with Screen-Film Mammography: Measures of Diagnostic Accuracy among Women Screened in the Ontario Breast Screening Program-Evidence that Direct Radiography Is Superior to Computed Radiography for Cancer Detection. *Radiology*. 2016 Feb;278(2):311-2. PMID: 26789598. [Editorial]

Prakash S, Venkataraman S, Slanetz PJ, Dialani V, Fein-Zachary V, Littlehale N, Mehta TS. Improving Patient Care by Incorporation of Multidisciplinary Breast Radiology-Pathology Correlation Conference. *Can Assoc Radiol J*. 2016 May;67(2):122-9. Epub 2015 Nov 26. PMID: 26632099.

Prevost VH, Girard OM, **Varma G, Alsop DC**, Duhamel G. Minimizing the effects of magnetization transfer asymmetry on inhomogeneous magnetization transfer (ihMT) at ultra-high magnetic field (11.75 T). *MAGMA*. 2016 Jan 13. [Epub ahead of print] PMID: 26762244.

Ridge CA, Yildirim A, **Boiselle PM**, Franquet T, Schaefer-Prokop CM, Tack D, Gevenois PA, **Bankier AA**. Differentiating between Subsolid and Solid Pulmonary Nodules at CT: Inter- and Intraobserver Agreement between Experienced Thoracic Radiologists. *Radiology*. 2016 Mar;278(3):888-96. Epub 2015 Oct 9. PMID: 26458208.

Robson PM, Madhuranthakam AJ, **Smith MP, Sun MR**, Dai W, Rofsky NM, Pedrosa I, **Alsop DC**. Volumetric Arterial Spin-labeled Perfusion Imaging of the Kidneys with a Three-dimensional Fast Spin Echo Acquisition. *Acad Radiol*. 2016 Feb;23(2):144-54. Epub 2015 Oct 29. PMID: 26521186; PMID: PMC4715920.

Roseman DA, Hwang SJ, Oyama-Manabe N, Chuang ML, O'Donnell CJ, Manning WJ, Fox CS. Clinical associations of total kidney volume: the Framingham Heart Study. *Nephrol Dial Transplant*. 2016 Jun 19. pii: gfw237. [Epub ahead of print] PubMed PMID: 27325252.

Sarwar A, Brook OR, Vaidya A, Sacks AC, Sacks BA, Goldberg SN, Ahmed M, Faintuch S. Clinical Outcomes following Percutaneous Radiofrequency Ablation of Unilateral Aldosterone-Producing Adenoma: Comparison with Adrenalectomy. *J Vasc Interv Radiol*. 2016 Jul;27(7):961-7. PMID: 27241391.

Sarwar A, Brook OR, Weinstein JL, Khwaja K, Ahmed M. Trans-Splenic Portal Vein Embolization: A Technique to Avoid Damage to the Future Liver Remnant. *Cardiovasc Intervent Radiol*. 2016 May 5. [Epub ahead of print] PMID: 27150803.

Shah RV, Kato S, Roujol S, Murthy V, Bellm S, Kashem A, Basha T, Jang J, Eisman AS, **Manning WJ**, Nezafat R. Native Myocardial T1 as a Biomarker of Cardiac Structure in Non-Ischemic Cardiomyopathy. *Am J Cardiol*. 2016 Jan 15;117(2):282-8. Epub 2015 Nov 6. PMID: 26684511.

Sharpe RE Jr, **Venkataraman S, Phillips J, Dialani V, Fein-Zachary VJ, Prakash S, Slanetz PJ, Mehta TS**. Increased Cancer Detection Rate and Variations in the Recall Rate Resulting from Implementation of 3D Digital Breast Tomosynthesis into a Population-based Screening Program. *Radiology*. 2016 Mar;278(3):698-706. Epub 2015 Oct 9. PMID: 26458206. PMID: PMC4770944

Shenoy-Bhangle A, Gee MS. Magnetic resonance imaging of perianal Crohn disease in children. *Pediatr Radiol*. 2016 May;46(6):838-46. Review. PMID: 27229501.

Shenoy-Bhangle AS, Nimkin K, Aranson T, Gee MS. Value of diffusion-weighted imaging when added to magnetic resonance enterographic evaluation of Crohn disease in children. *Pediatr Radiol*. 2016 Jan;46(1):34-42. Epub 2015 Aug 4. PMID: 26238966.

Siewert B, Brook OR, Hochman M, Eisenberg RL. Impact of Communication Errors in Radiology on Patient Care, Customer Satisfaction, and Work-Flow Efficiency. *AJR Am J Roentgenol*. 2016 Mar;206(3):573-9. PMID: 26901014.

Singhal V, Maffazioli GD, Ackerman KE, Lee H, Elia EF, Woolley R, **Kolodny G**, Cypess AM, Misra M. Effect of Chronic Athletic Activity on Brown Fat in Young Women. *PLoS One*. 2016 May 31;11(5):e0156353. doi: 10.1371/journal.pone.0156353. eCollection 2016. PMID: 27243823.

Slanetz PJ, Kelly AM. Transforming Radiological Education Through Collaboration and Innovation. *Acad Radiol*. 2016 May 18. pii: S1076-6332(16)30045-9. doi: 10.1016/j.acra.2016.04.002. [Epub ahead of print] PMID: 27209263.

Slanetz PJ, Mullins ME. Radiology Education in the Era of Population-based Medicine in the United States. *Acad Radiol.* 2016 Apr 11. pii: S1076-6332(16)00122-7. doi: 10.1016/j.acra.2016.01.017. PMID: 27079567.

Soman S, Prasad G, Hitchner E, Massaband P, Moseley ME, Zhou W, Rosen AC. Brain structural connectivity distinguishes patients at risk for cognitive decline after carotid interventions. *Hum Brain Mapp.* 2016 Mar 29. doi: 10.1002/hbm.23166. [Epub ahead of print] PMID: 27028955.

Sun MR, Brook A, Powell MF, Kaliannan K, Wagner AA, Kaplan ID, Pedrosa I. Effect of Stereotactic Body Radiotherapy on the Growth Kinetics and Enhancement Pattern of Primary Renal Tumors. *AJR Am J Roentgenol.* 2016 Mar;206(3):544-53. PMID: 26901010.

Travis WD, Asamura H, **Bankier AA**, Beasley MB, Detterbeck F, Flieder DB, Goo JM, MacMahon H, Naidich D, Nicholson A, Powell CA, Prokop M, Rami-Porta R, Rusch V, van Schil P, Yatabe Y; International Association for the Study of Lung Cancer Staging and Prognostic Factors Committee and Advisory Board Members. The IASLC Lung Cancer Staging Project: Proposals for Coding T Categories for Subsolid Nodules and Assessment of Tumor Size in Part-Solid Tumors in the Forthcoming Eighth Edition of the TNM Classification of Lung Cancer. *J Thorac Oncol.* 2016 Apr 20. pii: S1556-0864(16)30335-5. doi: 10.1016/j.jtho.2016.03.025. Review. PMID: 27107787.

van Grinsven J, van Brunschot S, Bakker OJ, Bollen TL, Boermeester MA, Bruno MJ, Dejong CH, Dijkgraaf MG, van Eijck CH, Fockens P, van Goor H, Gooszen HG, Horvath KD, van Lienden KP, van Santvoort HC, Besselink MG; Dutch Pancreatitis Study Group. Diagnostic strategy and timing of intervention in infected necrotizing pancreatitis: an international expert survey and case vignette study. *HPB (Oxford).* 2016 Jan;18(1):49-56. Epub 2015 Dec 20. PMID: 26776851. **[Mortele K, Collaborator]**

Wang S, Mei XG, **Goldberg SN, Ahmed M**, Lee JC, Gong W, Han HB, Yan K, Yang W. Does Thermosensitive Liposomal Vinorelbine Improve End-Point Survival after Percutaneous Radiofrequency Ablation of Liver Tumors in a Mouse Model? *Radiology.* 2016 Jun;279(3):762-72. PMID: 26785043.

Wang X, Solban N, Khanna P, Callea M, Song J, **Alsop DC**, Pearsall RS, Atkins MB, Mier JW, Signoretti S, Alimzhanov M, Kumar R, Bhasin MK, Bhatt RS. Inhibition of ALK1 signaling with dalantercept combined with VEGFR TKI leads to tumor stasis in renal cell carcinoma. *Oncotarget.* 2016 May 26. doi: 10.18632/oncotarget.9621. [Epub ahead of print] PMID: 27248821.

Yang W, Yan K, **Goldberg SN, Ahmed M**, Lee JC, Wu W, Zhang ZY, Wang S, Chen MH. Ten-year survival of hepatocellular carcinoma patients undergoing radiofrequency ablation as a first-line treatment. *World J Gastroenterol.* 2016 Mar 14;22(10):2993-3005. PMID: 26973395; PMCID: PMC4779922.

Ying Z, Chen M, Xie X, Wang X, Kherada N, Desikan R, **Mihai G**, Burns P, Sun Q, Rajagopalan S. Lipoicmethylenedioxyphenol Reduces Experimental Atherosclerosis through Activation of Nrf2 Signaling. *PLoS One.* 2016 Feb 9;11(2):e0148305. PMID: 26859892; PMCID: PMC4747573.

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.)

*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:

Larson DB, **Kruskal JB**, Krecke KN, Donnelly LF. Key Concepts of Patient Safety in Radiology. *Radiographics.* 2015 Sep 4;140277. [Epub ahead of print] PMID: 26334571.

Larson DB, **Kruskal JB**, Krecke KN, Donnelly LF. Key Concepts of Patient Safety in Radiology. *Radiographics.* 2015 Oct;35(6):1677-93. PMID: 26334571.

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 the reformatted text will appear. **3)** 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/Times New Roman)!

The screenshot shows a web browser window displaying a PubMed search results page. The search term is 'Kruskal JB'. The 'Format' dropdown menu is open, showing options: Summary, Abstract, Summary (text), Abstract (text), MEDLINE, XML, and PMID List. The 'Summary (text)' option is selected and highlighted with a red circle. Below the menu, the search results are displayed. The first result is highlighted in blue, indicating it is a new citation. The highlighted result is: Larson DB, Kruskal JB, Krecke KN, Donnelly LF. Key Concepts of Patient Safety in Radiology. *Radiographics.* 2015 Oct;35(6):1677-93. doi: 10.1148/rg.2015150024. Epub 2015 Sep 4. PubMed PMID: 26334571. A red arrow points to the 'Summary (text)' option in the dropdown menu.

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 or call 617-754-2515